Page 1 of 213

Incident ID	NCE2003540506
District RP	
Facility ID	
Application ID	

### Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.									
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									
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: Andrew Parker Title: Sr. Env. Specialist  Signature: Date: June 08, 2022  Email: aparker@ameredev.com  Telephone: 970-570-9535									
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.									
party of compliance with any other reactar, state, or local laws and/or regulations.									
Closure Approved by:									



11490 Westheimer Road, Suite 950, Houston, Texas 77077 • Phone 832-672-4700 • Fax 832-672-4609

June 8, 2022

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

RE: Incident ID: NCE2003540506
Revised Closure Report
Dagger Lake to Merchant Pond Line Test
AEP #: 01082020-0130-prodops

#### NMOCD:

Advance Energy Partners Hat Mesa LLC (AEP) submits this revised closure report per conditional approval on March 9, 2022. This revised closure report reflects action taken to address the following NMOD issues:

- Areas no longer in use, must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH.
  - Two soil samples of the backfill material from within the remediated area from the surface to excavation depth were analyzed for chloride, BTEX, benzene, and TPH.
- Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.
  - Additional soil samples were obtained from the edges of the remediated area from the surface to excavation depth for analysis of chloride, BTEX, benzene, and TPH.
- The variance for floor confirmation samples not to exceed 900 ft2 is denied. At this time, the largest variance the OCD can grant is 500 ft2 for confirmation samples.
  - o The sample grid was revised to less than or equal to 500 sq. ft. Additional samples were collected at remedial excavation depth for the analysis of chloride, BTEX, benzene, and TPH.
  - Sample grids less than 500 sq. ft. that were not analyzed for hydrocarbons wereresampled at excavation depth for the analysis of chloride, BTEX, benzene, and TPH.
  - o Base samples were collected at depth where lithology indicated native dirt. Soil samples were collected 0.5-inches below the base to ensure that native dirt was sampled.
- Sidewall samples should represent no more than 200 ft2.

NCE2003540506 Dagger Lake to Merchant Pond Line Test AEP #: 01082020-0130-prodops

- o Four wall samples exceed 200 sq. ft (Table A). The wall lengths were reduced in half and the two portions were resampled from the surface to excavation depth and analyzed for chloride, BTEX, benzene, and TPH.
- Wall samples less than 200 sq. ft. that were not analyzed for hydrocarbons were re-sampled from the surface to excavation depth for the analysis of chloride, BTEX, benzene, and TPH.
- o Wall samples were collected approximately 2-feet outward from the mapped remediation permitter to ensure that native soils were encountered. If lithology of sample core indicated backfill material was present, the sample location was moved another 2-feet outward from the perimeter.

#### Description of attached maps:

- Plate-13a shows the revised base sampling grid with square footages. Subdivided sampling grids are appended with North (N), South (S), East (E), West (W), or Central (C).
- Plate-13b shows the revised base grid sample points. Soil base samples that originally represented an area <500 sq. ft. and have chloride and hydrocarbon data were not resampled.
- Plate-14 (revised) shows the wall grid with revised wall sample points. Soil wall samples that originally represented an area <200 sq. ft. and have chloride and hydrocarbon data were not resampled. Table A shows the wall square footages.

Appendix A contains NMOCD communications related to the conditional approval and revised sampling plan.



NCE2003540506 Dagger Lake to Merchant Pond Line Test AEP #: 01082020-0130-prodops

### **Sampling Results**

Soil samples were collected by implementing direct-push sampling technologies using a Geoprobe Model 7822DT. Hand auger sampling was employed at sample points within 10-feet of pipelines.

Table B is a summary of analytical results. All confirmation soil samples meet Table 1 Closure Criteria per 19.15.29 NMAC; where depth-to-water is greater than 100 feet. The Certificate of Analysis is located in Appendix B. GPS coordinates of sample locations are located in Table C.

No additional remediation or excavation was required. Disturbance to the previously restored surface was minimal. Tracks created by the Geoprobe were hand raked and smoothed to blend in with the surrounding previously restored surface.

Sincerely,

Advance Energy Partners Hat Mesa, LLC

Aka: Ameredev II

Andrew Parker Env. Scientist

Copy: Dayeed Khan; Ameredev II

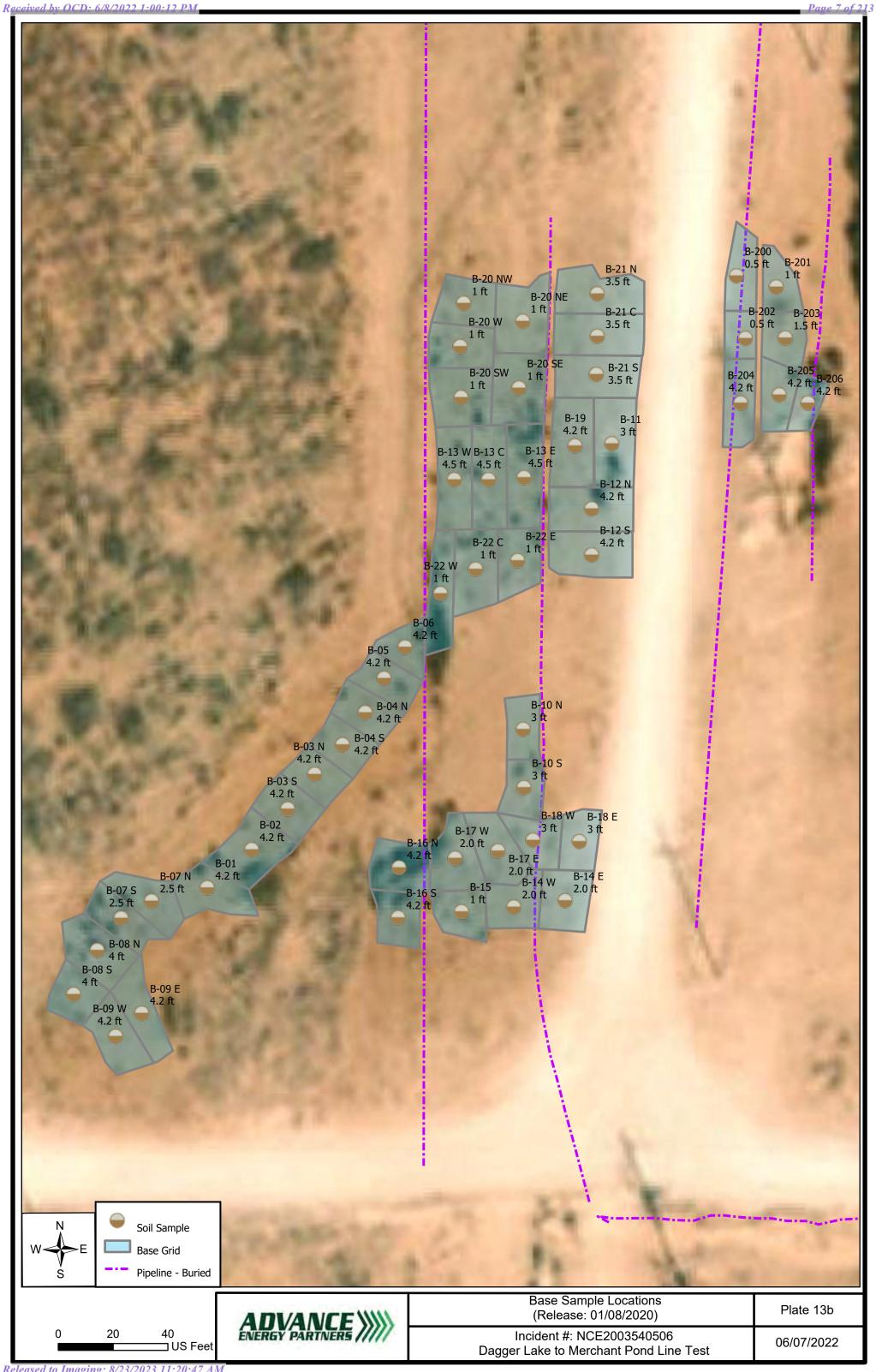
Shane McNeely; Ameredev II



## **Plates**



Received by OCD: 6/8/2022 1:00:12 PM Page 6 of 213 B-201 265 ft² B-20 NW 356 ft<sup>2</sup> 499 ft<sup>2</sup> B-203 B-20 W 300 ft<sup>2</sup> 371 ft<sup>2</sup> B-21 S B-205 B-206 B-20 SW 499 ft<sup>2</sup> 195 ft B-204 470 ft<sup>2</sup> 361 ft² B-19 499 ft<sup>2</sup> 486 ft<sup>2</sup> B-13 E 488 B-13 W B-13 C B-12 N 480 ft<sup>2</sup> B-12 S B-22 E B-22 C 365 ft<sup>2</sup> 472 ft<sup>2</sup> B-22 W 393 ft<sup>2</sup> B-06 251 ft<sup>2</sup> B-05 302 ft<sup>2</sup> 333 ft<sup>2</sup> B-10 N 277 ft² B-03 N B-10 S 357 ft<sup>2</sup> B-18 W B-17 W B-17 E ft<sup>2</sup> B-16 N 415 ft<sup>2</sup> 404 ft<sup>2</sup> 385 ft<sup>2</sup> B-07 S 365 ft<sup>2</sup> B-01 B-15 B-16 S 308 ft<sup>2</sup> 311 ft<sup>2</sup> B-08 N 446 ft<sup>2</sup> B-08 S 310 ft<sup>2</sup> B-09 W Base Grid Revised Base Sampling Diagram Plate 13a (Release: 01/08/2020) 20 40 Incident #: NCE2003540506 06/07/2022 JUS Feet Dagger Lake to Merchant Pond Line Test



# **Tables**



## Table A Wall Sample Square Footage

Incident ID: NCE2003540506 AEP #: 01082020-0130-prodops

Wall ID	Range	Width	Length	Sq. Ft.	Comments
W-01	0-2 ft	2	75	149.8	
W-02	0-4 ft	4	22	87.5	
W-03	0-4 ft	4	37	147.1	
W-04	0-4 ft	4	63	250.2	Split into North/South
W-04 N	0-4 ft	4	32	126.0	
W-04 S	0-4 ft	4	31	124.0	
W-05	0-4 ft	4	60	238.2	Split into North/South
W-05 N	0-4 ft	4	29	114.0	
W-05 S	0-4 ft	4	31	124.0	
W-06	0-4 ft	4	41	162.2	
W-07	0-4 ft	4	62	247.6	Split into North/South
W-07 N	0-4 ft	4	25	100.0	
W-07 S	0-4 ft	4	37	148.0	
W-08	0-2.5 ft	2.5	41	101.4	
W-09	0-2.5 ft	2.5	24	59.4	
W-10	0-4 ft	4	42	167.3	
W-11	0-4 ft	4	60	240.6	Split into North/South
W-11 N	0-4 ft	4	30	120.8	
W-11 S	0-4 ft	4	30	119.6	
W-12	0-4 ft	4	37	146.2	
W-13	0-1 ft	1	57	56.9	
W-14	0-4 ft	4	38	151.5	
W-15	0-4 ft	4	46	184.4	
W-16	0-1 ft	1	40	39.7	
W-17	0-1 ft	1	56	55.7	
W-18	0-4 ft	4	38	150.1	
W-19	0-2 ft	2	79	158.0	
W-20	0-2 ft	2	75	150.1	
W-21	0-3 ft	3	35	106.2	
W-22	0-1 ft	1	58	58.3	
W-23	0-2 ft	2	18	36.8	
W-24	0-4 ft	4	33	133.7	
W-25	0-4 ft	4	34	135.1	

Table A
Wall Sample Square Footage

Incident ID: NCE2003540506 AEP #: 01082020-0130-prodops

Wall ID	Range	Width	Length	Sq. Ft.	Comments
W-100	0-1.5 ft	1.5	13	19.5	
W-101	0-3 ft	3	46	138.3	
W-102	0-3 ft	3	42	126.5	
W-103	0-3 ft	3	66	196.6	
W-104	0-3 ft	3	48	145.2	
W-105	0-4 ft	4	45	179.5	
W-106	0-2 ft	2	33	65.6	
W-200	0-0.5 ft	0.5	50	25.2	
W-201	0-1.5	1.5	66	99.3	
W-202	1-4 ft	3	15	46.4	
W-203	0-4 ft	4	11	44.1	
W-204	0-4 ft	4	18	73.5	
W-205	0-4 ft	4	18	72.4	
W-206	0-4 ft	4	30	120.7	_
W-207	0-4 ft	4	25	100.3	

Table B Summary of Sampling

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Sample ID	Date	Location	Discrete Depth	Top Depth	<b>Bottom Depth</b>	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab#
			(Feet)	(Feet)	(Feet)	(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
B-01	2/14/2020	Base	4.2			320						Cardinal	H000465
B-01	4/1/2022	Base	4.7			1680	<20	<30	<0.05	<0.3		Cardinal	H221843
B-02	2/14/2020	Base	4.2			864	<20	<30	<0.05	<0.30		Cardinal	H000465
B-03	2/14/2020	Base	4.2			1380					Grid Divided	Cardinal	H000465
B-03 N	4/21/2022	Base	4.7			1170	<20	<30	<0.05	<0.3		Cardinal	H221843
B-03 S	4/21/2022	Base	4.7			1230	<20	<30	<0.05	<0.3		Cardinal	H221843
B-04	2/14/2020	Base	4.2			1940					Grid Divided	Cardinal	H000465
B-04 N	4/21/2022	Base	4.7			2200	<20	<30	<0.05	<0.3		Cardinal	H221843
B-04 S	4/21/2022	Base	4.7			1920	<20	<30	<0.05	<0.3		Cardinal	H221843
B-05	2/14/2020	Base	4.2			2100						Cardinal	H000465
B-05	4/21/2022	Base	4.7			2160	<20	<30	<0.05	<0.3		Cardinal	H221843
B-06	2/14/2020	Base	4.2			2260						Cardinal	H000465
B-06	4/21/2022	Base	4.7			2800	<20	<30	<0.05	<0.3		Cardinal	H221843
B-07	2/14/2020	Base	2.5			336					Grid Divided	Cardinal	H000465
B-07 N	4/21/2022	Base	3.0			208	<20	<30	<0.05	<0.3		Cardinal	H221843
B-07 S	4/21/2022	Base	3.0			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-08	2/19/2020	Base	4.0			192					Grid Divided	Cardinal	H000529
B-08 N	4/22/2022	Base	4.5			16	<20	<30	<0.05	<0.3		Cardinal	H221843
B-08 S	4/22/2022	Base	4.5			<16	<20	<30	<0.05	<0.3		Cardinal	H221843
B-09	2/19/2020	Base	4.2			448	<20	<30	<0.05	<0.30	Grid Divided	Cardinal	H000529
B-09 E	4/22/2022	Base	4.7			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-09 W	4/22/2022	Base	4.7			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-10	2/19/2020	Base	3.0			192					Grid Divided	Cardinal	H000529
B-10 N	4/22/2022	Base	3.5			48	<20	<30	<0.05	<0.3		Cardinal	H221843
B-10 S	4/22/2022	Base	3.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-11	2/21/2020	Base	3.0			160						Cardinal	H000558
B-11	4/22/2022	Base	3.5			48	<20	<30	<0.05	<0.3		Cardinal	H221843
B-12	2/21/2020	Base	4.2			2280					Grid Divided	Cardinal	H000558
B-12 N	4/22/2022	Base	4.7			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-12 S	4/22/2022	Base	4.7			48	<20	<30	<0.05	<0.3		Cardinal	H221843

Table B Summary of Sampling

Sample ID	Date	Location	Discrete Depth	Top Depth	<b>Bottom Depth</b>	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab #
			(Feet)	(Feet)	(Feet)	(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
B-13	2/21/2020	Base	4.5			1680					Grid Divided	Cardinal	H000558
B-13 C	4/22/2022	Base	4.7			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-13 E	4/22/2022	Base	5.0			1100	<20	<30	<0.05	<0.3		Cardinal	H221843
B-13 W	4/22/2022	Base	5.0			80	<20	<30	<0.05	<0.3		Cardinal	H221843
B-14	1/18/2020	Base	2.0			48	<20	<30	<0.05	<0.3	Grid Divided	Cardinal	H000208
B-14 E	4/22/2022	Base	2.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-14 W	4/22/2022	Base	2.5			48	<20	<30	<0.05	<0.3		Cardinal	H221843
B-15	1/18/2020	Base	1.0			96	<20	<30	<0.05	<0.3		Cardinal	H000208
B-16	2/19/2020	Base	4.2			1250	<20	<30	<0.05	<0.30	Grid Divided	Cardinal	H000529
B-16 N	4/22/2022	Base	4.7			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-16 S	4/22/2022	Base	4.7			16	<20	<30	<0.05	<0.3		Cardinal	H221843
B-17	2/19/2020	Base	2.0			80					Grid Divided	Cardinal	H000529
B-17 E	4/22/2022	Base	2.5			96	<20	<30	<0.05	<0.3		Cardinal	H221843
B-17 W	4/22/2022	Base	2.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-18	2/19/2020	Base	3.0			112					Grid Divided	Cardinal	H000529
B-18 E	4/22/2022	Base	3.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-18 W	4/22/2022	Base	3.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-19	2/21/2020	Base	4.2			688						Cardinal	H000558
B-19	4/22/2022	Base	4.7			<16	<20	<30	<0.05	<0.3		Cardinal	H221843
B-20	1/18/2020	Base	1.0			32	<20	<30	<0.05	<0.3	Grid Divided	Cardinal	H000208
B-20 NE	4/22/2022	Base	1.5			48	<20	<30	<0.05	<0.3		Cardinal	H221843
B-20 NW	4/22/2022	Base	1.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-20 SE	4/22/2022	Base	1.5			80	<20	<30	<0.05	<0.3		Cardinal	H221843
B-20 SW	4/22/2022	Base	1.5			416	<20	<30	<0.05	<0.3		Cardinal	H221843
B-20 W	4/25/2022	Base	1.5			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-21	2/21/2020	Base	3.5			480	<20	<30	<0.05	<0.30	Grid Divided	Cardinal	H000558
B-21 C	4/25/2022	Base	4.0			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-21 N	4/25/2022	Base	4.0			48	<20	<30	<0.05	<0.3		Cardinal	H221843
B-21 S	4/25/2022	Base	4.0			176	<20	<30	<0.05	<0.3		Cardinal	H221843
B-22	1/18/2020	Base	1.0			256	<20	<30	<0.05	<0.3	Grid Divided	Cardinal	H000208
B-22 C	4/25/2022	Base	1.5			160	<20	<30	<0.05	<0.3		Cardinal	H221843
B-22 E	4/25/2022	Base	1.5			176	<20	<30	<0.05	<0.3		Cardinal	H221843
B-22 W	4/25/2022	Base	1.5			224	<20	<30	<0.05	<0.3		Cardinal	H221843
B-200	4/1/2020	Base	0.5			96						Cardinal	H000975
B-200	4/25/2022	Base	1.0			16	<20	<30	<0.05	<0.3		Cardinal	H221843
B-201	4/1/2020	Base	1.0			16						Cardinal	H000975
B-201	4/25/2022	Base	1.5			64	<20	<30	<0.05	<0.3		Cardinal	H221843
B-202	4/1/2020	Base	0.5			272						Cardinal	H000975
B-202	4/25/2022	Base	1.0			32	<20	<30	<0.05	<0.3		Cardinal	H221843
B-203	4/1/2020	Base	1.5			128	<20	<30	<0.05	<0.30		Cardinal	H000975
B-204	4/1/2020	Base	4.2			656						Cardinal	H000975
B-204	4/25/2022	Base	4.7			1120	<20	<30	<0.05	<0.3		Cardinal	H221843

Received by OCD: 6/8/2022 1:00:12 PM

Table B Summary of Sampling

Sample ID	Date	Location	Discrete Depth	Top Depth	Bottom Depth	Chloride	GRO+DRO				Comments	Lab	Lab #
			(Feet)	(Feet)	(Feet)	(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
B-205	4/1/2020	Base	4.2			816						Cardinal	H000975
B-205	4/25/2022	Base	4.7			1470	<20	<30	<0.05	<0.3		Cardinal	H221843
B-206	4/1/2020	Base	4.2			1460	<20	<30	<0.05	<0.30		Cardinal	H000975
W-01	2/14/2020	Wall		0.0	2.0	128	<20	<30	<0.05	<0.30		Cardinal	H000465
W-02	2/13/2020	Wall		0.0	4.0	96	.20	.20	.0.05	.0.2		Cardinal	H000465
W-02	4/21/2022	Wall		0.0	4.0 4.0	160	<20	<30	<0.05	<0.3		Cardinal	H221842
W-03 W-03	2/14/2020 4/21/2022	Wall		0.0	4.0	192 16	<b>420</b>	<30	40.0F	z0.2		Cardinal	H000465 H221842
W-04	2/14/2020	Wall Wall			4.0		<20	<30	<0.05	<0.3	Crid Divided	Cardinal	
W-04 N	4/21/2022	Wall		0.0	4.0	144 32	<20	<30	<0.05	<0.3	Grid Divided	Cardinal Cardinal	H000465 H221842
W-04 N	4/21/2022	Wall		0.0	4.0	<16	<20	<30	<0.05	<0.3		Cardinal	H221842
W-05	2/14/2020	Wall		0.0	4.0	160	\20	\30	₹0.05	₹0.5	Grid Divided	Cardinal	H000465
W-05 N	4/21/2022	Wall		0.0	4.0	96	<20	<30	<0.05	<0.3	dria biviaca	Cardinal	H221842
W-05 S	4/21/2022	Wall		0.0	4.0	96	<20	<30	<0.05	<0.3		Cardinal	H221842
W-06	2/14/2020	Wall		0.0	4.0	48	120	.50	10.00	10.0		Cardinal	H000465
W-06	4/21/2022	Wall		0.0	4.0	96	<20	<30	<0.05	<0.3		Cardinal	H221842
W-07	2/14/2020	Wall		0.0	4.0	160					Grid Divided	Cardinal	H000465
W-07 N	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H221842
W-07 S	4/21/2022	Wall		0.0	4.0	<16	<20	<30	<0.05	<0.3		Cardinal	H221842
W-08	2/14/2020	Wall		0.0	2.5	64	<20	<30	<0.05	<0.30		Cardinal	H000465
W-09	2/14/2020	Wall		0.0	2.5	32						Cardinal	H000465
W-09	4/21/2022	Wall		0.0	2.5	<16	<20	<30	<0.05	<0.3		Cardinal	H221842
W-10	2/19/2020	Wall		0.0	4.0	112						Cardinal	H000529
W-10	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H221842
W-11	2/19/2020	Wall		0.0	4.0	64					Grid Divided	Cardinal	H000529
W-11 N	4/21/2022	Wall		0.0	4.0	16	<20	<30	<0.05	<0.3		Cardinal	H221842
W-11 S	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H221842
W-12	2/19/2020	Wall		0.0	4.0	32	<20	<30	<0.05	<0.30		Cardinal	H000529
W-13	2/21/2020	Wall		0.0	1.0	80	<20	<30	<0.05	<0.30		Cardinal	H000558
W-14	2/21/2020	Wall		0.0	4.0	208	<20	<30	<0.05	<0.30		Cardinal	H000558
W-15	2/21/2020	Wall		0.0	4.0	320	<20	<30	<0.05	<0.30		Cardinal	H000558
W-16	2/21/2020	Wall		0.0	1.0	16	<20	<30	<0.05	<0.30		Cardinal	H000558
W-17	2/21/2020	Wall		0.0	1.0	<16	<20	<30	<0.05	<0.30		Cardinal	H000558
W-18	2/21/2020	Wall		0.0	4.0	144	<20	<30	<0.05	<0.30		Cardinal	H000558
W-19	2/21/2020	Wall		0.0	2.0	144	420	.20	10.05	10.2		Cardinal	H000558
W-19	4/21/2022	Wall		0.0	2.0	<16	<20	<30	<0.05	<0.3		Cardinal	H221842
W-20	2/21/2020	Wall	-	0.0	2.0	192	<b>~20</b>	-20	40.0F	<b>40.3</b>		Cardinal	H000558
W-20	4/21/2022	Wall		0.0	2.0	32	<20	<30	<0.05	<0.3		Cardinal	H221842
W-21	2/21/2020	Wall		0.0	3.0	80 16	<b>420</b>	-20	40.0F	<b>40.2</b>		Cardinal	H000558
W-21 W-22	4/21/2022 2/21/2020	Wall Wall		0.0	1.0	32	<20 <20	<30 <30	<0.05 <0.05	<0.30		Cardinal	H221842
W-22 W-23	2/21/2020	Wall		0.0	2.0	176	<20	<30	<0.05	<0.30		Cardinal	H000558 H000558
VV-23	2/21/2020	WdII		0.0	2.0	1/0	<20	<30	<0.05	<0.30		Cardinal	пиииээв

Sample ID	Date	Location	Discrete Depth	Top Depth	<b>Bottom Depth</b>	Chloride	GRO+DRO	TPH Ext.	Benzene	BTEX	Comments	Lab	Lab #
			(Feet)	(Feet)	(Feet)	(PPM)	(PPM)	(PPM)	(PPM)	(PPM)		(Hall/Cardinal)	
NMOCD Closure Criteria													
0 - 4 feet & "not in-use"						600		2,500	10	50			
> 4 ft or "in-use"						20,000	1,000	2,500	10	50			
W-24	2/21/2020	Wall		0.0	4.0	128						Cardinal	H00055
W-24	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H22184
W-25	2/21/2020	Wall		0.0	4.0	96						Cardinal	H00055
W-25	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H22184
W-100	2/14/2020	Wall		0.0	1.5	48						Cardinal	H00046
W-100	4/21/2022	Wall		0.0	1.5	64	<20	<30	<0.05	<0.3		Cardinal	H22184
W-101	2/19/2020	Wall		0.0	3.0	240						Cardinal	H00052
W-101	4/21/2022	Wall		0.0	3.0	208	<20	<30	<0.05	<0.3		Cardinal	H22184
W-102	2/19/2020	Wall		0.0	3.0	160						Cardinal	H00052
W-102	4/21/2022	Wall		0.0	3.0	48	<20	<30	<0.05	<0.3		Cardinal	H22184
W-103	2/19/2020	Wall		0.0	3.0	64						Cardinal	H00052
W-103	4/21/2022	Wall		0.0	3.0	80	<20	<30	<0.05	<0.3		Cardinal	H22184
W-104	2/19/2020	Wall		0.0	3.0	48	<20	<30	<0.05	<0.30		Cardinal	H00052
W-105	2/19/2020	Wall		0.0	4.0	80						Cardinal	H00052
W-105	4/21/2022	Wall		0.0	4.0	48	<20	<30	<0.05	<0.3		Cardinal	H22184
W-106	2/19/2020	Wall		0.0	2.0	272						Cardinal	H00052
W-106	4/21/2022	Wall		0.0	2.0	48	<20	<30	<0.05	<0.3		Cardinal	H22184
W-200	4/1/2020	Wall		0.0	0.5	80	<20	<30	<0.05	<0.30		Cardinal	H00097
W-201	4/1/2020	Wall		0.0	1.5	80	<20	<30	<0.05	<0.30		Cardinal	H00097
W-202	4/1/2020	Wall		1.0	4.0	192	<20	<30	<0.05	<0.30		Cardinal	H00097
W-203	4/1/2020	Wall		0.0	4.0	160						Cardinal	H00097
W-203	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H22184
W-204	4/1/2020	Wall		0.0	4.0	80	<20	<30.6	<0.05	<0.30		Cardinal	H00097
W-205	4/1/2020	Wall		0.0	4.0	144						Cardinal	H00097
W-205	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H22184
W-206	4/1/2020	Wall		0.0	4.0	144	<20	<30.8	<0.05	<0.30		Cardinal	H00097
W-207	4/1/2020	Wall		0.0	4.0	144						Cardinal	H00099
W-207	4/21/2022	Wall		0.0	4.0	32	<20	<30	<0.05	<0.3		Cardinal	H22184
BF-01	5/12/2022	Backfill		1.5	3.5	16	<20	<30.8	<0.05	<0.30		Cardinal	H22205
BF-02	5/12/2022	Backfill		1.5	3.5	32	<20	<30.8	<0.05	<0.30		Cardinal	H22205

	Base Samples	
Sample ID	Latitude	Longitude
B-01	32.41958661	-103.60507356
B-02	32.41962492	-103.60502073
B-03 N	32.41969967	-103.60494526
B-03 S	32.41966514	-103.60497753
B-04 N	32.41976119	-103.60488548
B-04 S	32.41972941	-103.60491208
B-05	32.41979578	-103.60486261
B-06	32.41982656	-103.60483791
B-07 N	32.41957388	-103.60513918
B-07 S	32.41955693	-103.60517555
B-08 N	32.41952477	-103.60520404
B-08 S	32.41948103	-103.60523215
B-09 E	32.41946141	-103.60515185
B-09 W	32.41943844	-103.60518309
B-10 N	32.41974335	-103.60469882
B-10 S	32.41968507	-103.60469835
B-11	32.42002931	-103.60459118
B-12 N	32.41996437	-103.60461564
B-12 S	32.41991807	-103.60461601
B-13 C	32.41999420	-103.60473727
B-13 E	32.41999596	-103.60469585
B-13 W	32.41999444	-103.60477820
B-14 E	32.41957145	-103.60465032
B-14 W	32.41956542	-103.60471107
B-15	32.41956112	-103.60477264
B-16 N	32.41960571	-103.60484673
B-16 S	32.41955543	-103.60484808
B-17 E	32.41962180	-103.60472944
B-17 W	32.41961491	-103.60477984
B-18 E	32.41963082	-103.60463338
B-18 W	32.41963239	-103.60468790
B-19	32.42002733	-103.60463497
B-20 NE	32.42015281	-103.60469600
B-20 NW	32.42017117	-103.60476549
B-20 SE	32.42008579	-103.60470077
B-20 SW	32.42007700	-103.60476907
B-20 W	32.42012809	-103.60476960
B-21 C	32.42013713	-103.60460766
B-21 N	32.42017983	-103.60460732
B-21 S	32.42009922	-103.60460891
B-22 C	32.41990450	-103.60475352
B-22 E	32.41991260	-103.60470405
B-22 W	32.41988000	-103.60479512
B-200	32.42019685	-103.60444274
B-201	32.42018558	-103.60439560
B-201	32.42013408	-103.60443276
B-202	32.42013429	-103.60438550
B-203	32.42013429	-103.6043655
B-204	32.42000920	-103.60439297
B-205	32.42007710	-103.60435890
D-200	JZ.4200000	-100.00400030

	Wall Samples	
Sample ID	Latitude	Longitude
W-01	32.41953751	-103.60474468
W-02	32.41978363	-103.60482322
W-03	32.41983894	-103.60485968
W-04 N	32.41972910	-103.60486868
W-04 S	32.41966426	-103.60493371
W-05 N	32.41976129	-103.60492819
W-05 S	32.41970075	-103.60498592
W-06	32.41962626	-103.60505978
W-07 N	32.41960784	-103.60499428
W-07 S	32.41956066	-103.60505160
W-08	32.41960150	-103.60517485
W-09	32.41953518	-103.60511853
W-10	32.41950485	-103.60524719
W-100	32.41977628	-103.60469931
W-101	32.41971666	-103.60467870
W-102	32.41971699	-103.60471774
W-103	32.41961128	-103.60461498
W-104	32.41952493	-103.60482845
W-105	32.41962643	-103.60487482
W-106	32.41966053	-103.60477906
W-11 N	32.41947870	-103.60514269
W-11 S	32.41941398	-103.60513217
W-12	32.41944556	-103.60521696
W-13	32.42012944	-103.60480765
W-14	32.41999716	-103.60479712
W-15	32.41988526	-103.60480837
W-16	32.42018929	-103.60470967
W-17	32.42011966	-103.60467159
W-18	32.41999578	-103.60467710
W-19	32.42007130	-103.60465966
W-20	32.42008692	-103.60456015
W-200	32.42018105	-103.60445626
W-201	32.42017661	-103.60436761
W-202	32.42010818	-103.60439217
W-203	32.42009275	-103.60434750
W-204	32.42006521	-103.60434491
W-205	32.42004030	-103.60439014
W-206	32.42003316	-103.60446037
W-207	32.42011317	-103.60443356
W-21	32.42019752	-103.60460585
W-22	32.41986544	-103.60474192
W-23	32.41996300	-103.60466609
W-24	32.41994222	-103.60456720
W-25	32.41989504	-103.60462061

# **Appendix A**

**NMOCD Communications** 



#### **Andrew Parker**

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

Sent: Wednesday, March 16, 2022 8:26 AM

**To:** Andrew Parker

Subject: RE: [EXTERNAL] Dagger Lake to Merchant Frac Pond Fresh Water Line Test nCE2003540506

Follow Up Flag: Follow up Flag Status: Flagged

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Andrew,

The previous remediation plan was conditionally approved. Please make sure those conditions are met on your future closure report.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

**Environmental Bureau** 

EMNRD - Oil Conservation Division 811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Andrew Parker <AParker@advanceenergypartners.com>

Sent: Wednesday, March 16, 2022 8:16 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Subject: [EXTERNAL] Dagger Lake to Merchant Frac Pond Fresh Water Line Test nCE2003540506

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

Mr. Hamlet,

Per the conditionally approved remediation plan, below, attached is a revised remediation plan that address the below issues. Please advise whether I need to submit to NMOCD online or if this email is sufficient to proceed as conditionally approved with the attached revisions.

Release Name: Dagger Lake to Merchant Frac Pond Fresh Water Line Test

AEP #: 01082020-0130-prodops Incident ID: nCE2003540506

Thank you. Andrew Parker

**Environmental Scientist** 

970-570-9535



From: OCDOnline@state.nm.us < OCDOnline@state.nm.us >

Sent: Wednesday, March 9, 2022 8:31 AM

**To:** Andrew Parker < <u>AParker@advanceenergypartners.com</u>>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 60394

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nCE2003540506, with the following conditions:

• The Remediation Plan is Conditionally Approved. Reclamation of areas no longer in use, must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Four feet below the ground surface, soil contamination limits revert back to Table 1 "Closure Criteria for Soils Impacted by a Release" included in the spill rule. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance for floor confirmation samples not to exceed 900 ft2 is denied. At this time, the largest variance the OCD can grant is 500 ft2 for confirmation samples. Sidewall samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

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



11490 Westheimer Road, Suite 950, Houston, Texas 77077 • Phone 832-672-4700 • Fax 832-672-4609

March 15, 2022

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

RE: Incident ID: NCE2003540506

Revised Remediation per Conditional Approval Dagger Lake to Merchant Pond Line Test

AEP #: 01082020-0130-prodops

#### NMOCD:

Advance Energy Partners Hat Mesa LLC (AEP) submits this revised remediation plan per conditional approval on March 9, 2022. This revised remediation plan addresses the following NMOD issues:

- Areas no longer in use, must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH.
  - Two soil samples of the backfill material from within the remediated area from the surface to excavation depth will be analyzed for chloride, BTEX, benzene, and TPH.
- Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release.
  - Obtain additional soil samples from the edges of the release from the surface to excavation depth for analysis of chloride, BTEX, benzene, and TPH.
- The variance for floor confirmation samples not to exceed 900 ft2 is denied. At this time, the largest variance the OCD can grant is 500 ft2 for confirmation samples.
  - o The sample grid was revised to less than 500 sq. ft. Additional samples will be collected at excavation depth for the analysis of chloride, BTEX, benzene, and TPH.
  - Sample grids less than 500 sq. ft. that were not analyzed for hydrocarbons will be re-sampled at excavation depth for the analysis of chloride, BTEX, benzene, and TPH.
- Sidewall samples should represent no more than 200 ft2.
  - o Four wall samples exceed 200 sq. ft (Table A). The wall lengths were reduced in half and the two portions will be resampled from the surface to excavation depth and analyzed for chloride, BTEX, benzene, and TPH.

Incident ID: NCE2003540506 AEP #: 01082020-0130-prodops

 Wall samples less than 200 sq. ft. that were not analyzed for hydrocarbons will be re-sampled from the surface to excavation depth for the analysis of chloride, BTEX, benzene, and TPH.

### Description of attached maps:

- Plate-13a shows the revised sampling grid with square footages. Subdivided sampling grids are appended with North (N), South (S), East (E), West (W), or Central (C).
- Plate-13b shows the proposed base grid re-sample points. Soil base samples that originally represented an area <500 sq. ft. and have chloride and hydrocarbon data will not be resampled.
- Plate-14 (revised) shows the wall grid with proposed wall re-sample points. Soil wall samples that originally represented an area <200 sq. ft. and have chloride and hydrocarbon data will not be resampled. Table A shows the wall square footages.

Please contact me with any questions at 970-570-9535.

Sincerely,

Advance Energy Partners Hat Mesa, LLC

Aka: Ameredev II

Andrew Parker Env. Scientist

Copy: Shane McNeely; Ameredev II



## Table A Wall Sample Square Footage

Incident ID: NCE2003540506 AEP #: 01082020-0130-prodops

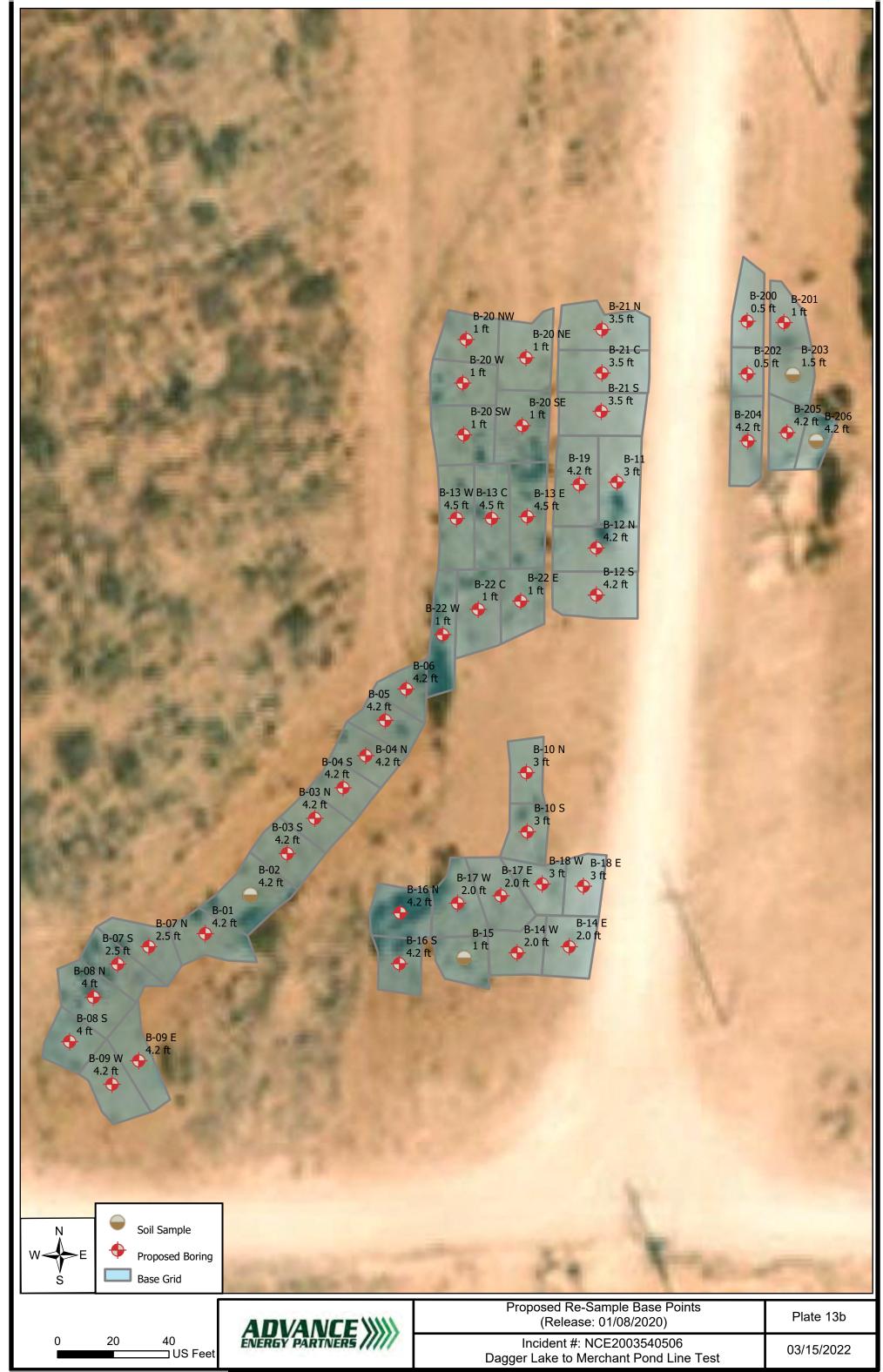
Wall ID	Range	Width	Length	Sq. Ft.	Comments
W-01	0-2 ft	2	75	149.8	
W-02	0-4 ft	4	22	87.5	
W-03	0-4 ft	4	37	147.1	
W-04	0-4 ft	4	63	250.2	Split into North/South
W-04 N	0-4 ft	4	32	126.0	
W-04 S	0-4 ft	4	31	124.0	
W-05	0-4 ft	4	60	238.2	Split into North/South
W-05 N	0-4 ft	4	29	114.0	
W-05 S	0-4 ft	4	31	124.0	
W-06	0-4 ft	4	41	162.2	
W-07	0-4 ft	4	62	247.6	Split into North/South
W-07 N	0-4 ft	4	25	100.0	
W-07 S	0-4 ft	4	37	148.0	
W-08	0-2.5 ft	2.5	41	101.4	
W-09	0-2.5 ft	2.5	24	59.4	
W-10	0-4 ft	4	42	167.3	
W-11	0-4 ft	4	60	240.6	Split into North/South
W-11 N	0-4 ft	4	30	120.8	
W-11 S	0-4 ft	4	30	119.6	
W-12	0-4 ft	4	37	146.2	
W-13	0-1 ft	1	57	56.9	
W-14	0-4 ft	4	38	151.5	
W-15	0-4 ft	4	46	184.4	
W-16	0-1 ft	1	40	39.7	
W-17	0-1 ft	1	56	55.7	
W-18	0-4 ft	4	38	150.1	
W-19	0-2 ft	2	79	158.0	
W-20	0-2 ft	2	75	150.1	
W-21	0-3 ft	3	35	106.2	
W-22	0-1 ft	1	58	58.3	
W-23	0-2 ft	2	18	36.8	
W-24	0-4 ft	4	33	133.7	
W-25	0-4 ft	4	34	135.1	

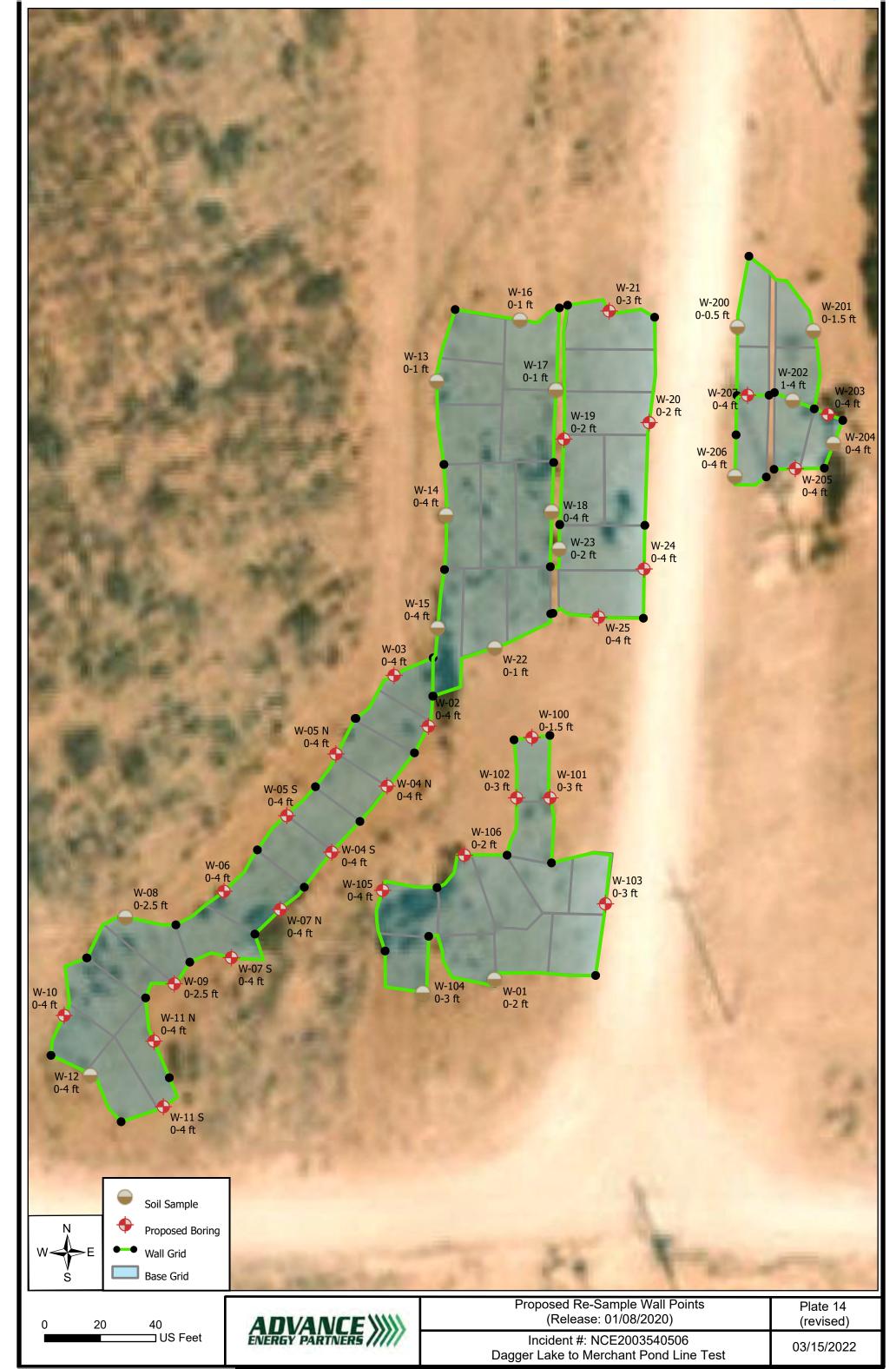
Table A
Wall Sample Square Footage

Incident ID: NCE2003540506 AEP #: 01082020-0130-prodops

Wall ID	Range	Width	Length	Sq. Ft.	Comments
W-100	0-1.5 ft	1.5	13	19.5	
W-101	0-3 ft	3	46	138.3	
W-102	0-3 ft	3	42	126.5	
W-103	0-3 ft	3	66	196.6	
W-104	0-3 ft	3	48	145.2	
W-105	0-4 ft	4	45	179.5	
W-106	0-2 ft	2	33	65.6	
W-200	0-0.5 ft	0.5	50	25.2	
W-201	0-1.5	1.5	66	99.3	
W-202	1-4 ft	3	15	46.4	
W-203	0-4 ft	4	11	44.1	
W-204	0-4 ft	4	18	73.5	
W-205	0-4 ft	4	18	72.4	
W-206	0-4 ft	4	30	120.7	
W-207	0-4 ft	4	25	100.3	







#### **Andrew Parker**

From: Hamlet, Robert, EMNRD < Robert.Hamlet@state.nm.us>

**Sent:** Monday, April 18, 2022 9:56 AM

**To:** Andrew Parker

**Cc:** Bratcher, Mike, EMNRD; Nobui, Jennifer, EMNRD

**Subject:** RE: [EXTERNAL] 48 hour sampling notice nCE2003540506

Follow Up Flag: Follow up Flag Status: Flagged

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Andrew,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Sent: Monday, April 18, 2022 9:03 AM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Subject: Fw: [EXTERNAL] 48 hour sampling notice nCE2003540506

From: Andrew Parker < AParker@advanceenergypartners.com >

Sent: Monday, April 18, 2022 7:09 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Subject: RE: [EXTERNAL] 48 hour sampling notice nCE2003540506

NMOCD,

Please accept this email as the 48-hour sampling notice for Incident # nCE2003540506. Sampling will begin on April 21, 2022 unless otherwise notified.

Location: Dagger Lake to Merchant Frac Pond Fresh Water Line Test AEP #: 01082020-0130-prodops

Thank you,

Andrew Parker Environmental Scientist 970-570-9535



From: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Sent: Tuesday, April 12, 2022 4:00 PM

To: Andrew Parker < AParker@advanceenergypartners.com >

Cc: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD < Chad.Hensley@state.nm.us >; Velez,

Nelson, EMNRD < Nelson. Velez@state.nm.us >; Nobui, Jennifer, EMNRD < Jennifer. Nobui@state.nm.us >

Subject: RE: [EXTERNAL] 48 hour sampling notice nCE2003540506

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Andrew,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Andrew Parker <AParker@advanceenergypartners.com>

Sent: Tuesday, April 12, 2022 2:35 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD < Chad.Hensley@state.nm.us >; Velez,

Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: RE: [EXTERNAL] 48 hour sampling notice nCE2003540506

Mr. Hamlet,

Hand auger sampling will likely commence on Thursday or Friday April 12-13<sup>th</sup> for the hand auger samples. Geoprobe direct-push sampling may occur next week; I will send out another notice on confirmed dates for the geoprobe work. Unexpected events in the oil field may delay this weeks sampling a few days.

Regards.

Andrew Parker Environmental Scientist 970-570-9535



From: Hamlet, Robert, EMNRD < <a href="mailto:Robert.Hamlet@state.nm.us">Robert.Hamlet@state.nm.us</a>>

Sent: Tuesday, April 12, 2022 3:28 PM

To: Andrew Parker < AParker@advanceenergypartners.com >

Cc: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us >; Hensley, Chad, EMNRD < Chad.Hensley@state.nm.us >; Velez,

Nelson, EMNRD < Nelson. Velez@state.nm.us >; Nobui, Jennifer, EMNRD < Jennifer. Nobui@state.nm.us >

Subject: RE: [EXTERNAL] 48 hour sampling notice nCE2003540506

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Andrew,

Please be more precise on dates/times that you will be sampling. In case an OCD environmental specialist would like to witness the soil sampling.

Regards,

Robert Hamlet • Environmental Specialist - Advanced Environmental Bureau
EMNRD - Oil Conservation Division
811 S. First Street | Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/



From: Andrew Parker < AParker@advanceenergypartners.com>

Sent: Tuesday, April 12, 2022 8:46 AM

**To:** Hamlet, Robert, EMNRD < <a href="mailto:Robert.Hamlet@state.nm.us">Robert.Hamlet@state.nm.us</a> <a href="mailto:Cc: Enviro@state.nm.us">Cc: Enviro@state.nm.us</a>

Subject: [EXTERNAL] 48 hour sampling notice nCE2003540506

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

NMOCD,

Please accept this 48 hour sampling notice for incident number nCE2003540506 for the Dagger Lake to Merchant Frac Pond Fresh Water Line Test location (AEP #: 01082020-0130-prodops). The sampling will occur over the next few weeks as we will hand auger around the pipelines and will use a Geoprobe within low risk areas. Please contact me with any questions.

Thank you.

Andrew Parker Environmental Scientist 970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Wednesday, March 9, 2022 9:31 AM

To: Andrew Parker <AParker@advanceenergypartners.com>

Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 60394

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

To whom it may concern (c/o Andrew Parker for ADVANCE ENERGY PARTNERS HAT MESA, LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nCE2003540506, with the following conditions:

• The Remediation Plan is Conditionally Approved. Reclamation of areas no longer in use, must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Four feet below the ground surface, soil contamination limits revert back to Table 1 "Closure Criteria for Soils Impacted by a Release" included in the spill rule. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The variance for floor confirmation samples not to exceed 900 ft2 is denied. At this time, the largest variance the OCD can grant is 500 ft2 for confirmation samples. Sidewall samples should represent no more than 200 ft2. The work will need to occur in 90 days after the work plan has been approved.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

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

# **Appendix B**

**Certificate of Analysis** 





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

February 26, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 01/22/20 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

#### **Analytical Results For:**

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B - 05 4.2'	H000208-01	Soil	18-Jan-20 08:00	
B - 22 1'	H000208-02	Soil	18-Jan-20 08:30	22-Jan-20 08:55
B - 07 3'	H000208-03	Soil	18-Jan-20 09:00	22-Jan-20 08:55
B - 20 1'	H000208-04	Soil	18-Jan-20 09:30	22-Jan-20 08:55
B - 09 2'	H000208-05	Soil	18-Jan-20 10:00	22-Jan-20 08:55
B - 12 1'	H000208-06	Soil	18-Jan-20 10:30	22-Jan-20 08:55
B - 14 2'	H000208-07	Soil	18-Jan-20 11:00	22-Jan-20 08:55
B - 15 1'	H000208-08	Soil	18-Jan-20 11:30	22-Jan-20 08:55
B - 16 2'	H000208-09	Soil	18-Jan-20 12:00	22-Jan-20 08:55
B - 17 1'	H000208-10	Soil	18-Jan-20 12:30	22-Jan-20 08:55

02/24/20 - Client revised sample IDs for -02 and -04 via email.

02/26/20 - This is the revised report and will replace the one sent on 01/23/20.

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

B - 05 4.2' H000208-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	448		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	TD)		95.7 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012113	MS	22-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012113	MS	22-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012113	MS	22-Jan-20	8015B	
Surrogate: 1-Chlorooctane		101 %	41-142		0012113	MS	22-Jan-20	8015B		
Surrogate: 1-Chlorooctadecane			104 %	37.6	-147	0012113	MS	22-Jan-20	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Reported:

26-Feb-20 10:15



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

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINE

Project Manager: ANDREW PARKER

Fax To: NONE

B - 22 1' H000208-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			95.5 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			106 %	41-	142	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			112 %	37.6	-147	0012113	MS	23-Jan-20	8015B	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Reported:

26-Feb-20 10:15



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

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINE

Project Manager: ANDREW PARKER

Fax To: NONE

B - 07 3' H000208-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	704		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		95.2 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			106 %	41-	142	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			109 %	37.6	-147	0012113	MS	23-Jan-20	8015B	

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINE

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

#### B - 20 1' H000208-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	ID)		95.5 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			106 %	41-	142	0012113	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			110 %	37.6	-147	0012113	MS	23-Jan-20	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

### B - 09 2' H000208-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	<b>)</b> )		95.3 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	22-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	22-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	22-Jan-20	8015B	
Surrogate: 1-Chlorooctane			105 %	41-	142	0012204	MS	22-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			107 %	37.6	-147	0012204	MS	22-Jan-20	8015B	

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Celey D. Keene

Reported:

26-Feb-20 10:15



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

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINE

Project Manager: ANDREW PARKER

Fax To: NONE

B - 12 1' H000208-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		95.5 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			102 %	41-	142	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			104 %	37.6	-147	0012204	MS	23-Jan-20	8015B	

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Celey D. Keine



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Project Manager: ANDREW PARKER

Fax To: NONE

Reported: 26-Feb-20 10:15

B - 14 2' H000208-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compound	ls by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		94.7 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	y GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			99.9 %	41-	142	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			98.6 %	37.6	-147	0012204	MS	23-Jan-20	8015B	

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Celey D. Keene

Reported:

26-Feb-20 10:15



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

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Project Manager: ANDREW PARKER

Fax To: NONE

#### B - 15 1' H000208-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (F	PID)		96.4 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			106 %	41-	142	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			107 %	37.6	-147	0012204	MS	23-Jan-20	8015B	

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

#### B - 16 2' H000208-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	144		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		95.9 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			103 %	41	142	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			101 %	37.6	-147	0012204	MS	23-Jan-20	8015B	

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

#### B - 17 1' H000208-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	0012211	AC	22-Jan-20	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	0012210	MS	22-Jan-20	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		95.5 %	73.3	-129	0012210	MS	22-Jan-20	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctane			103 %	41	142	0012204	MS	23-Jan-20	8015B	
Surrogate: 1-Chlorooctadecane			101 %	37.6	-147	0012204	MS	23-Jan-20	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 26-Feb-20 10:15

Project Manager: ANDREW PARKER

Fax To: NONE

#### **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 0012211 - 1:4 DI Water										
Blank (0012211-BLK1)				Prepared &	Analyzed:	22-Jan-20				
Chloride	ND	16.0	mg/kg							
LCS (0012211-BS1)				Prepared &	z Analyzed:	22-Jan-20				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (0012211-BSD1)				Prepared &	z Analyzed:	22-Jan-20				
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	

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Celey D. Keene



%REC

#### **Analytical Results For:**

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Spike

Project Number: DAGGER LAKE TO MERCHANT LINI

Source

Reported: 26-Feb-20 10:15

RPD

Project Manager: ANDREW PARKER

Fax To: NONE

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Reporting

		B		-F						
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 0012210 - Volatiles										
Blank (0012210-BLK1)				Prepared &	Analyzed:	22-Jan-20				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		94.4	73.3-129			
LCS (0012210-BS1)				Prepared &	Analyzed:	22-Jan-20				
Benzene	1.95	0.050	mg/kg	2.00		97.3	72.2-131			
Toluene	1.94	0.050	mg/kg	2.00		97.0	71.7-126			
Ethylbenzene	1.96	0.050	mg/kg	2.00		98.2	68.9-126			
Total Xylenes	5.73	0.150	mg/kg	6.00		95.4	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.1	73.3-129			
LCS Dup (0012210-BSD1)				Prepared &	: Analyzed:	22-Jan-20				
Benzene	2.06	0.050	mg/kg	2.00		103	72.2-131	5.89	14.6	
Toluene	2.06	0.050	mg/kg	2.00		103	71.7-126	6.20	17.4	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	68.9-126	6.41	18.9	
Total Xylenes	6.13	0.150	mg/kg	6.00		102	71.4-125	6.75	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0472		mg/kg	0.0500		94.5	73.3-129			

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Project: ADVANCE ENERGY

Spike

Project Number: DAGGER LAKE TO MERCHANT LINI

Source

Reported: 26-Feb-20 10:15

RPD

Project Manager: ANDREW PARKER

Fax To: NONE

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

Reporting

Prepared: 21-Jan-20 Analyzed: 22-Jan-20			responding		Spine	Bouree		FOLLE		111 2	
Prepared: 21-Jan-20 Analyzed: 22-Jan-20	Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
ND   10.0 mg/kg   SURCO   COLOR   ND   10.0 mg/kg   SURCO   COLOR   ND   10.0 mg/kg   SURCO   COLOR   ND   10.0 mg/kg   SURCO   SURC	Batch 0012113 - General Prep - Organics										
DRO > C10-C28	Blank (0012113-BLK1)				Prepared: 2	21-Jan-20 A	nalyzed: 2	2-Jan-20			
Surrogate: 1-Chlorooctane   S1.2   mg/kg   S0.0   102   41-142   Surrogate: 1-Chlorooctane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctane   S2.6   mg/kg   S0.0	GRO C6-C10	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane   S1.2   mg/kg   S0.0   102   41-142   Surrogate: 1-Chlorooctadecane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctadecane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctadecane   S2.6   mg/kg   S0.0   105   37.6-147   Surrogate: 1-Chlorooctane   S6.0   mg/kg   200   103   76.5-133   Surrogate: 1-Chlorooctane   S6.0   mg/kg   400   106   78-132   Surrogate: 1-Chlorooctane   S6.8   mg/kg   50.0   112   41-142   Surrogate: 1-Chlorooctane   S6.8   mg/kg   50.0   114   37.6-147   Surrogate: 1-Chlorooctane   S6.8   mg/kg   S0.0   114   37.6-147   Surrogate: 1-Chlorooctane   S6.8   mg/kg   S0.0   S	DRO >C10-C28	ND	10.0	mg/kg							
Surrogate: 1-Chloroctadecane   52.6   mg/kg   50.0   105   37.6-147	EXT DRO >C28-C36	ND	10.0	mg/kg							
Prepared: 21-Jan-20 Analyzed: 22-Jan-20   GRO C6-C10   206   10.0   mg/kg   200   103   76.5-133   DRO >C10-C28   218   10.0   mg/kg   200   109   72.9-138   Total TPH C6-C28   424   10.0   mg/kg   400   106   78-132   Total TPH C6-C28   56.0   mg/kg   50.0   112   41-142   41-142   Total TPH C6-C28   56.8   mg/kg   50.0   114   37.6-147   Total TPH C6-C28   209   10.0   mg/kg   50.0   114   37.6-147   Total TPH C6-C28   220   10.0   mg/kg   200   104   76.5-133   1.03   20.6	Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	41-142			
GRO C6-C10  206  10.0 mg/kg 200  103  76.5-133  DRO >C10-C28  218  10.0 mg/kg 200  109  72.9-138  Total TPH C6-C28  424  10.0 mg/kg 400  106  78-132  Surrogate: 1-Chlorooctane 56.0 mg/kg 50.0 112  41-142  Surrogate: 1-Chlorooctadecane 56.8 mg/kg 50.0 114  37.6-147  Prepared: 21-Jan-20 Analyzed: 22-Jan-20  GRO C6-C10  209  10.0 mg/kg 200  104  76.5-133  1.03  20.6  DRO >C10-C28  220  10.0 mg/kg 200  104  76.5-133  1.03  20.6  DRO >C10-C28  220  10.0 mg/kg 200  104  72.9-138  1.06  20.6  DRO >C10-C28  220  10.0 mg/kg 400  107  78-132  1.05  18  Surrogate: 1-Chlorooctane 56.5 mg/kg 50.0 113  41-142  Surrogate: 1-Chlorooctane 58.0 mg/kg 50.0 116  37.6-147  Batch 0012204 - General Prep - Organics  Prepared & Analyzed: 22-Jan-20	Surrogate: 1-Chlorooctadecane	52.6		mg/kg	50.0		105	37.6-147			
DRO > C10-C28	LCS (0012113-BS1)				Prepared: 2	21-Jan-20 A	nalyzed: 2	2-Jan-20			
Total TPH C6-C28	GRO C6-C10	206	10.0	mg/kg	200		103	76.5-133			
Surrogate: 1-Chlorooctane   56.0   mg/kg   50.0   112   41-142	DRO >C10-C28	218	10.0	mg/kg	200		109	72.9-138			
Surrogate: 1-Chlorooctadecane   56.8   mg/kg   50.0   114   37.6-147	Total TPH C6-C28	424	10.0	mg/kg	400		106	78-132			
Prepared: 21-Jan-20 Analyzed: 22-Jan-20	Surrogate: 1-Chlorooctane	56.0		mg/kg	50.0		112	41-142			
GRO C6-C10 209 10.0 mg/kg 200 104 76.5-133 1.03 20.6 DRO >C10-C28 220 10.0 mg/kg 200 110 72.9-138 1.06 20.6 Total TPH C6-C28 428 10.0 mg/kg 400 107 78-132 1.05 18  Surrogate: 1-Chlorooctane 56.5 mg/kg 50.0 113 41-142 Surrogate: 1-Chlorooctadecane 58.0 mg/kg 50.0 116 37.6-147  Batch 0012204 - General Prep - Organics  Prepared & Analyzed: 22-Jan-20 GRO C6-C10 ND 10.0 mg/kg	Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	37.6-147			
DRO > C10-C28	LCS Dup (0012113-BSD1)				Prepared:	21-Jan-20 A	analyzed: 2	2-Jan-20			
Total TPH C6-C28	GRO C6-C10	209	10.0	mg/kg	200		104	76.5-133	1.03	20.6	
Surrogate: 1-Chlorooctane   56.5   mg/kg   50.0   113   41-142	DRO >C10-C28	220	10.0	mg/kg	200		110	72.9-138	1.06	20.6	
Surrogate: 1-Chlorooctadecane   58.0   mg/kg   50.0   116   37.6-147	Total TPH C6-C28	428	10.0	mg/kg	400		107	78-132	1.05	18	
Batch 0012204 - General Prep - Organics           Blank (0012204-BLK1)         Prepared & Analyzed: 22-Jan-20           GRO C6-C10         ND         10.0         mg/kg	Surrogate: 1-Chlorooctane	56.5		mg/kg	50.0		113	41-142			
Blank (0012204-BLK1)         Prepared & Analyzed: 22-Jan-20           GRO C6-C10         ND         10.0         mg/kg	Surrogate: 1-Chlorooctadecane	58.0		mg/kg	50.0		116	37.6-147			
GRO C6-C10 ND 10.0 mg/kg	Batch 0012204 - General Prep - Organics										
	Blank (0012204-BLK1)				Prepared &	& Analyzed:	: 22-Jan-20				
DRO >C10-C28 ND 10.0 mg/kg	GRO C6-C10	ND	10.0	mg/kg							
	DRO >C10-C28	ND	10.0	mg/kg							

Blank (0012204-BLK1)	Blank (0012204-BLK1)					
GRO C6-C10	ND	10.0	mg/kg			
DRO >C10-C28	ND	10.0	mg/kg			
EXT DRO >C28-C36	ND	10.0	mg/kg			
Surrogate: 1-Chlorooctane	51.4		mg/kg	50.0	103	41-142
Surrogate: 1-Chlorooctadecane	49.8		mg/kg	50.0	99.7	37.6-147

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Celey D. Keene



%REC

Limits

RPD

#### Analytical Results For:

R T HICKS CONSULTANTS 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Analyte

Project: ADVANCE ENERGY

Spike

Level

Project Number: DAGGER LAKE TO MERCHANT LINI

Source

Result

%REC

Reported: 26-Feb-20 10:15

RPD

Limit

Notes

Project Manager: ANDREW PARKER

Fax To: NONE

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

Units

Reporting

Limit

Result

LCS (0012204-BS1)				Prepared & Anal	lyzed: 22-Jan-20				
GRO C6-C10	196	10.0	mg/kg	200	97.9	76.5-133			
DRO >C10-C28	183	10.0	mg/kg	200	91.6	72.9-138			
Total TPH C6-C28	379	10.0	mg/kg	400	94.7	78-132			
Surrogate: 1-Chlorooctane	52.1		mg/kg	50.0	104	41-142			
Surrogate: 1-Chlorooctadecane	51.1		mg/kg	50.0	102	37.6-147			
LCS Dup (0012204-BSD1)				Prepared & Anal	lyzed: 22-Jan-20				
GRO C6-C10	202	10.0	mg/kg	200	101	76.5-133	3.17	20.6	
DRO >C10-C28	183	10.0	mg/kg	200	91.5	72.9-138	0.0634	20.6	
Total TPH C6-C28	385	10.0	mg/kg	400	96.3	78-132	1.62	18	
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0	110	41-142			
Surrogate: 1-Chlorooctadecane	53.8		mg/kg	50.0	108	37.6-147			

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Celey D. Keene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below  $6^{\circ}\text{C}$ 

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 17 of 18

Received by OCD: 6/8/2022 1:00:12 PM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	R.T. Hicks Cons		_	_							8 <i>11</i>	L TO							AN	ALY	SIS	RE	QUE	ST	_	_	_	
Project Manager:	Andrew Parker							P	0.#	<b>!:</b>																		
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Project Name.	A Dagger	I he to Me	rch	an	FL	ine	Te	STF	hon	e #:						Z		1	1		- 1		1	1		1	- 1	
Sampler Name:	Jacob Saenz	Layer 10 1-0						F	ax#	ł:						ō	BTEX		-1					Al-	T		-1	
FOR LAB USE ONLY						MA	TRIX	(	PF	RESI	ERV.	SAMPL	ING	4.	_	DR	BT			-1			1			1		
Lab I.D.	Sample	I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	ROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHEK:	ICE / COOL	OTHER:	DATE	TIME	Inino mo	CHLOKIDE	TPH (GRO+DRO+MRO)	RENZENE											
H000208	B=05	4.2FT	C	# 1	0	S S	0	S	9	A		1/14/2	o 8 mm	1	Y	X	X								10	1		
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10	13-17	IFT	V	V		1	1			V	1	d to the amount	12730				1		_		-	1	_		_	_		_
PLEASE NOTE: Liability an	nd Damages, Cardinal's liability an ing those for negligence and any of	d cilent's exclusive remedy for ther cause whatsoever shall be	deems	im ark	ved un	ether bas less made	in w	iting and	receive	ed by C	Cardinal	within 30 days	after completion	of the a	applica	ble												
service. In no event shall C	ng those for negligence and any of ardinal be liable for incidental or c ng out of or related to the perform	onsequental damages, includir ance of services hereunder by	Cardin	al, reg	ardless	of whath	er suc	h claim i	basec	upon	any of	he above states	Phone	Post	_	OY	ae		) A	dd'l P	hone	#:	-					
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Delivered By Sampler - UPS	: (Circle One) - Bus - Other:		3.5	3°		Samp	_In	ondit	-			KED BY: itials)	<del>-X</del>	6	Si	an	plue	ch	an	a	e	Ql	r (	di	d	ren	F	)

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



February 17, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 02/14/20 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/14/2020 Reported: 02/17/2020

Project Name: ADVANCE ENERGY
Project Number: D2MLT

Project Location: NOT GIVEN

Sampling Date: 02/14/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: B - 01 4.2' (H000465-01)

Chloride, SM4500Cl-B	/kg	Analyze	d By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/17/2020	ND	432	108	400	0.00	

#### Sample ID: B - 02 4.2' (H000465-02)

/kg	Anaiyze	d By: MS					
Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
0.050	02/14/2020	ND	1.76	87.9	2.00	2.96	
0.050	02/14/2020	ND	1.80	89.9	2.00	3.92	
0.050	02/14/2020	ND	1.85	92.4	2.00	3.06	
0.150	02/14/2020	ND	5.36	89.4	6.00	3.00	
0.300	02/14/2020	ND					
	Reporting Limit 0.050 0.050 0.050 0.150	Reporting Limit Analyzed  0.050 02/14/2020  0.050 02/14/2020  0.050 02/14/2020  0.150 02/14/2020	Reporting Limit Analyzed Method Blank  0.050 02/14/2020 ND  0.050 02/14/2020 ND  0.050 02/14/2020 ND  0.150 02/14/2020 ND	Reporting Limit         Analyzed         Method Blank         BS           0.050         02/14/2020         ND         1.76           0.050         02/14/2020         ND         1.80           0.050         02/14/2020         ND         1.85           0.150         02/14/2020         ND         5.36	Reporting Limit         Analyzed         Method Blank         BS         % Recovery           0.050         02/14/2020         ND         1.76         87.9           0.050         02/14/2020         ND         1.80         89.9           0.050         02/14/2020         ND         1.85         92.4           0.150         02/14/2020         ND         5.36         89.4	Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           0.050         02/14/2020         ND         1.76         87.9         2.00           0.050         02/14/2020         ND         1.80         89.9         2.00           0.050         02/14/2020         ND         1.85         92.4         2.00           0.150         02/14/2020         ND         5.36         89.4         6.00	Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           0.050         02/14/2020         ND         1.76         87.9         2.00         2.96           0.050         02/14/2020         ND         1.80         89.9         2.00         3.92           0.050         02/14/2020         ND         1.85         92.4         2.00         3.06           0.150         02/14/2020         ND         5.36         89.4         6.00         3.00

Surrogate: 4-Bromofluorobenzene (PID 99.3 % 73.3-129

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
loride <b>864</b> 16.0		16.0	02/17/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2020	ND	209	105	200	0.101	
DRO >C10-C28*	<10.0	10.0	02/15/2020	ND	198	99.1	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	02/15/2020	ND					

Surrogate: 1-Chlorooctane 97.1 % 41-142

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: B - 02 4.2' (H000465-02)

TPH 8015M mg/kg Analyzed By: MS

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Surrogate: 1-Chlorooctadecane 100 % 37.6-147

Sample ID: B - 03 4.25' (H000465-03)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit BS True Value QC RPD Analyte Result Analyzed Method Blank % Recovery Qualifier Chloride 1380 16.0 02/17/2020 ND 432 108 400 0.00

Sample ID: B - 04 4.2' (H000465-04)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier % Recovery Chloride 1940 16.0 02/17/2020 0.00 ND 432 108 400

Sample ID: B - 05 4.25' (H000465-05)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 2100 16.0 02/17/2020 ND 432 108 400 0.00

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#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: B - 06 4.25' (H000465-06)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

**Chloride** 2260 16.0 02/17/2020 ND 432 108 400 0.00

Sample ID: B - 07 2.5' (H000465-07)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit Analyzed BS True Value QC RPD Qualifier Analyte Result Method Blank % Recovery Chloride 336 16.0 02/17/2020 432 400 0.00 ND 108

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Celey D. Keene, Lab Director/Quality Manager

Celeg D. Keene

Page 4 of 12



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NOT GIVEN

#### Sample ID: W - 01 0-2' (H000465-08)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2020	ND	1.76	87.9	2.00	2.96	
Toluene*	<0.050	0.050	02/14/2020	ND	1.80	89.9	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/14/2020	ND	1.85	92.4	2.00	3.06	
Total Xylenes*	<0.150	0.150	02/14/2020	ND	5.36	89.4	6.00	3.00	
Total BTEX	otal BTEX <0.300		02/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/17/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2020	ND	209	105	200	0.101	
DRO >C10-C28*	<10.0	10.0	02/15/2020	ND	198	99.1	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	02/15/2020	ND					
Surrogate: 1-Chlorooctane	94.2	% 41-142							
Surrogate: 1-Chlorooctadecane	98.2	% 37.6-14	7						

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/13/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: D2MLT

Project Location: NOT GIVEN

Sample ID: W - 02 Chloride, SM4500Cl-B	0-4' (H000465-09 mg	) /kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/17/2020	ND	432	108	400	0.00	
Sample ID: W - 03	0-4' (H000465-10	•							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>192</b> 16.0		02/17/2020	ND	432	108	400	0.00	
Sample ID: W - 04	0-4' (H000465-11	)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/17/2020	ND	432	108	400	0.00	
Sample ID: W - 05	0-4' (H000465-12	)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/17/2020	ND	432	108	400	0.00	
Sample ID: W - 06	0-4' (H000465-13	)							

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2020	ND	432	108	400	0.00	

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

#### Sample ID: W - 07 0-4' (H000465-14)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/17/2020	ND	432	108	400	0.00	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NOT GIVEN

#### Sample ID: W - 08 0-2.5' (H000465-15)

BTEX 8021B

DILX GOZID	11197	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2020	ND	1.76	87.9	2.00	2.96	
Toluene*	<0.050	0.050	02/14/2020	ND	1.80	89.9	2.00	3.92	
Ethylbenzene*	<0.050	0.050	02/14/2020	ND	1.85	92.4	2.00	3.06	
Total Xylenes*	<0.150	0.150	02/14/2020	ND	5.36	89.4	6.00	3.00	
Total BTEX	<0.300	0.300	02/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/17/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2020	ND	209	105	200	0.101	
DRO >C10-C28*	<10.0	10.0	02/15/2020	ND	198	99.1	200	0.678	
EXT DRO >C28-C36	<10.0	10.0	02/15/2020	ND					
Surrogate: 1-Chlorooctane	95.4	% 41-142	?						
Surrogate: 1-Chlorooctadecane	99.7	% 37.6-14	7						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/14/2020 Sampling Date: 02/14/2020

Reported: 02/17/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Result

Reporting Limit

Sample ID: W - 09 0-2.5' (H000465-16)

Analyte

Chloride, SM4500Cl-B Analyzed By: GM Analyzed

Chloride 02/17/2020 ND 432 400 0.00 32.0 16.0 108

Sample ID: W - 100 0-1.5' (H000465-17)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank % Recovery Qualifier Chloride 48.0 16.0 02/17/2020 432 400 0.00 ND 108

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

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#### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. ND Analyte NOT DETECTED at or above the reporting limit RPD Relative Percent Difference Samples not received at proper temperature of 6°C or below. Insufficient time to reach temperature. \*\*\* Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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# Page 11 of 12 **ARDINAL** aboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

Company Name	111111111111111111111111111111111111111	ant	5							BI	LL :	TO					AN	IALYS	IS R	EQUI	EST	
Project Manage	r: andrew Darker							P.C	). #:	D2	M	LT			-							
Address: On									mpar					1								
City:	State:	Zip	):					Attr	n: 0	nai	14	nar	ew								Į.	
Phone #:	Fax #:							Add	dress	s:												
Project #:	Project Own	ner:						City	<b>/</b> :												1	
Project Name:	advance Energy							Sta	te:		Zip:										1	
Project Locatio	n: D2MLT											70-	9535									
Sampler Name:								Fax									- 110				1	
FOR LAB USE ONLY					M.	ATRI	X		PRES	SERV.		SAMP	LING	0								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DA	ATE	TIME	Chloride	P.T.E.K.	TPH EXT						
1	B-01 - 4.2H	G	1		V	/			7		211	4/200	03:00	1								
2	B-01 - 4.24 B-02 - 4.25		1										0815	V	V	V						
3,	B-03 4.25ht B-04 4.2ht		Ш		1								08:30	1								
4	B-04 4.25t		Ш										08:45	V			-1					
5	B-05 4.256+ B-06 4.256+		1										09:00	V	-							
4	B-06 4.256+	11											09:15	V								
7	B-07 2,5 ht										1	V	09:30	V								
8	W-01 0-267 W-02 0-46t												09:45		V	1						
9	W-02 0-46t										2/1	3/20	10:00	V								
10	W-03 0-46+	1.1	1			,			V	/	2/11	4/20		1	-		77					

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinguished By:	Date: Red Time: 13:25	ceived By:	lator.	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinguished By:		ceived By:		REMARKS:	
Delivered By: (Circle One)  Sampler - UPS - Bus - Other:	Observed Temp. °C 4.6	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)	Thermometer ID #97 Yes Yes	Condition red Temp. °C



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

Company Name	: R.T. Hicks Consultar	its							BI	LL TO					AN.	ALYSI	S RE	QUE	ST	
Project Manage	r: and hew Panker						P	.0. #	: D2	2MLT										
Address: On	hie						c	omp	any:										13	
City:	State:	Zip	):				A	ttn: (	emai	il andre	ew									
Phone #:	Fax #:							ddre	7 7 7 7 7										1 3	
Project #:	Project Own	er:					C	ity:												
Project Name:	advance Energy 12 D2MLT						s	tate:		Zip:										
Project Location	1: DZMLT						P	hone		0-570-9	535									
Sampler Name:	1 0							ax #:											1	
FOR LAB USE ONLY		-5			MA	TRIX		PR	ESERV.	SAME	LING	1 1								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	)   	SLUDGE	ACID/BASE:	ICE / COOL OTHER:	DATE	TIME	Chloride	BTEK	TAN HOT						
11	W-04 0-4L+	G	1							2/14/20	10:30	1								
12	W-04 0-46+ W-05 0-46+		1							Ì	10:45	V								
12	W-06 0-41+ W-07 0-46+	11									14:00	V								
14	th 1-07 N-41+		Ш								11115	V								
15	W-08 0-2,5ft	-11	Ш					-			11:30	V	$\vee$	V						
14	W-09 0-2.544	1	V		1	,			4	V	11:45	V								
17	W-08 D-2.5ft W-09 D-2.5ft W-100 D-1,5ft	V	4		4	1	-	1	V.	ch	1200	0								
							=	1												
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinguished By:	Date: 2 14 2020 Receiv	ed By:	Lee	Verbal Result: ☐ Ye All Results are emailed			l Phone #: nail address:	
Relinquished By:	Date: Receiv	red By:		REMARKS:				
Delivered By: (Circle One)  Sampler - UPS - Bus - Other:	Observed Temp. °C 4.2 Corrected Temp. °C	Sample Condition Cool Intact Tes Tes No No	CHECKED BY: (Initials)	Turnaround Time: Thermometer ID #97 Correction Factor + 0.4 °C	Standard Rush	4	Bacteria (only) Cool Intact Yes Yes	Sample Condition Observed Temp. °C



February 20, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 02/19/20 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/19/2020
Reported: 02/20/2020
Project Name: ADVANCE ENERGY

Project Name: ADVANCE ENERGY Project Number: D2MLT

Project Location: NOT GIVEN

Sampling Date: 02/19/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

#### Sample ID: B - 08 4' (H000529-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/20/2020	ND	416	104	400	0.00	

#### Sample ID: B - 09 4.2' (H000529-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.41	
Toluene*	<0.050	0.050	02/20/2020	ND	1.99	99.5	2.00	6.97	
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	2.01	100	2.00	6.77	
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	02/20/2020	ND					
Total Xylenes*	<0.150	0.150	02/20/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID 101 % 73.3-129

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2020	ND	200	99.9	200	0.654	
DRO >C10-C28*	<10.0	10.0	02/20/2020	ND	215	107	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/20/2020	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: B - 09 4.2' (H000529-02)

Analyte

TPH 8015M mg/kg Analyzed By: MS

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Analyzed

Surrogate: 1-Chlorooctadecane 98.9 % 42.2-156

Result

Reporting Limit

Sample ID: B - 10 3' (H000529-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC RPD Reporting Limit Method Blank BS True Value QC Analyte Result Analyzed % Recovery Qualifier Chloride 192 16.0 02/20/2020 ND 416 104 400 0.00

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#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

#### Sample ID: B - 16 4.2' (H000529-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.41	
Toluene*	<0.050	0.050	02/20/2020	ND	1.99	99.5	2.00	6.97	
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	2.01	100	2.00	6.77	
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	02/20/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	02/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2020	ND	200	99.9	200	0.654	
DRO >C10-C28*	<10.0	10.0	02/20/2020	ND	215	107	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/20/2020	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	97.0	% 42.2-15	6						

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

#### Sample ID: B - 17 2' (H000529-05)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/20/2020	ND	416	104	400	0.00	
Sample ID: B - 18 3' (H	000529-06)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/20/2020	ND	416	104	400	0.00	
Sample ID: W - 10 0-4' (	H000529-07)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/20/2020	ND	416	104	400	0.00	
Sample ID: W - 11 0-4' (	H000529-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/20/2020	ND	416	104	400	0.00	

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Celey D. Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

#### Sample ID: W - 12 0-4' (H000529-09)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.41	
Toluene*	<0.050	0.050	02/20/2020	ND	1.99	99.5	2.00	6.97	
Ethylbenzene*	< 0.050	0.050	02/20/2020	ND	2.01	100	2.00	6.77	
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	02/20/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2020	ND	200	99.9	200	0.654	
DRO >C10-C28*	<10.0	10.0	02/20/2020	ND	215	107	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/20/2020	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celey D. Kreine



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: W - 101 0-3' (H000529-10)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

**Chloride** 240 16.0 02/20/2020 ND 416 104 400 0.00

Sample ID: W - 102 0-3' (H000529-11)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank Qualifier % Recovery Chloride 160 16.0 02/20/2020 416 400 0.00 ND 104

Sample ID: W - 103 0-3' (H000529-12)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 64.0 02/20/2020 ND 400 0.00 16.0 416 104

Cardinal Laboratories \*=Accredited Analyte

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Celes & Keene



#### Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/19/2020 Sampling Date: 02/19/2020

Reported: 02/20/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NOT GIVEN

#### Sample ID: W - 104 0-3' (H000529-13)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/20/2020	ND	1.97	98.5	2.00	6.41	
Toluene*	<0.050	0.050	02/20/2020	ND	1.99	99.5	2.00	6.97	
Ethylbenzene*	<0.050	0.050	02/20/2020	ND	2.01	100	2.00	6.77	
Total Xylenes*	<0.150	0.150	02/20/2020	ND	5.85	97.5	6.00	6.93	
Total BTEX	<0.300	0.300	02/20/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/20/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/20/2020	ND	200	99.9	200	0.654	
DRO >C10-C28*	<10.0	10.0	02/20/2020	ND	215	107	200	1.77	
EXT DRO >C28-C36	<10.0	10.0	02/20/2020	ND					
Surrogate: 1-Chlorooctane	92.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.4	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

 Received:
 02/19/2020
 Sampling Date:
 02/19/2020

 Reported:
 02/20/2020
 Sampling Type:
 Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: W - 105 0-4' (H000529-14)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

**Chloride 80.0** 16.0 02/20/2020 ND 416 104 400 0.00

Sample ID: W - 106 0-2' (H000529-15)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank Qualifier % Recovery Chloride 272 16.0 02/20/2020 416 400 0.00 ND 104

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Celey D. Keene



#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Company Name:

# Received by OCD: 6/8/2022 1:00:12 PM

# **CARDINAL** Laboratories

# **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

R.T. Hicks Consultants

Project Manager	: Andrew Parker								O. #										1		17-1		
Address: On	ı-File							c	omp	any	R	T. Hick	S										
City:		State:	Zip	:				A	ttn:		Se	end to						1	¥.			- 1	
Phone #:		Fax #:						A	ddre	ess:	an	drew@r	thicks							1		- 1	
Project #:		Project Owner	:					С	ity:		co	nsult.co	m						1				
Project Name:	Adverse Energ	i L						S	tate:			Zip:			0		}			l I			
Project Location	1: D2m LT							P	hon	e #:					MF				Y	4			
Sampler Name:	Jacob Saenz							F	ax#	:					+0	X							
FOR LAB USE ONLY						MAT	RIX		PR	RESE	RV.	SAMPLI	NG		)R	BTEX							
Lab I.D.	Sample I	l.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	)IL	SLUDGE OTHER	CID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, I							
H000529	B-08	4FT	C	1	0 5	X	0	o c		o/	0	2/19/20		A			1						
2	6-09	4.2F7	1	1		1			1	1		1 1980	8:3000		X	X							
3	6-10	357		I									964			-1							
U	B 716	4.21		T									4:3900		×	A							
5	0-17	2FT											10am										
4	6-18	2FT 3FT											10-30m								-		
7	w-10	0-487								1			llan										
8	W-11	0-4FT											11:30mg										
	W-12	0-457	1	4						1/			1200	1	X	$\alpha$					9		
	W-101	0-3FT	V	V		V				V		V	15.3002	0									
analyses. All claims includir service. In no event shall C	nd Damages. Cardinal's liability and of any those for negligence and any other ardinal be liable for incidental or cons any out of or related to the performance	r cause whatsoever shall be d equental damages, including	leeme withou	d waiv ut limit	ed unless ation, bus	made in iness inti	writing	and rec	of dse	by Caro	dinal w	ithin 30 days afte ofits incurred by o	r completion of the	ne applica ries,	ble								
Relinquished By	3 ALM	Date:	Re		ved B		1	1	3300 0	DOIT GITS	or are	25010 322105 101	Phone Res Fax Resul REMARKS	sult: t:	□ Ye		No No		Phone Fax #:				
Relinquished By	7/	Date: Time:	Re	ecei	ved B	y:/													· ·	~1	+		
	(Circle One) - Bus - Other:	2.3°c	HI	12	Si	ool Yes No	Con	dition t Yes	1		ECK (Initi	ED BY: als)							RI	10,	1		

BILL TO

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

Company Name	R.T. Hicks Consultants							- 121			BIL	LL TO	Palliculture				ANAL	YSIS	RE	QUE	ST		
Project Manage	r: Andrew Parker							P	0. #	ŧ:													
Address: O	n-File							С	omp	any	: R	.T. Hick	S										
City:	State:	Zip	:					A	ttn:		S	end to											
Phone #:	Fax #:							А	ddre	ess:	ar	ndrew@r	thicks									(	
Project #:	Project Owner							С	ity:		C	onsult.co	n		_				1				
Project Name:								s	tate:			Zip:			20								
Project Locatio	n:							Р	hone	e #:					N.								
Sampler Name:	Jacob Saenz							F	ax#	_					ō	EX							
FOR LAB USE ONLY				-	٨	IATI	RIX		PR	ESE	RV.	SAMPLII	NG		DR	BTEX						18	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,							
11	W-102 0-3FT	6	1			X				X		2/19/20	len	X									
12	w-103 0-3FT	1				1				1		1	1:3000	1									
13	V-104 0-3FT	1	H			1	4			1			2pm		X	X							
14	W-105 0-4FT W-106 0-2FT	1	1	L		1	-		+	L			2000	4	_		_						
15	W 106 0-27,	V	V	-		0	4	-	-	W		V	320	-		-							_
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affiliates or successors arising out of or related to the performance Relinquished By:	Date:	Received By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:	
1011	2-19-20	11//		Fax Result:	☐ Yes	□ No	Add'I Fax #:	
3HCOB STENZ	Time: 1630			REMARKS:				
Relinquished By:	Date:	Received By:					A N	
1	Time:						DUST	
							12 0	
Delivered By: (Circle One)		Sample Condition	CHECKED BY:					
Sampler - UPS - Bus - Other:	3° H	Cool Intact Yes Yes	(Initials)					

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



February 24, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 02/21/20 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/21/2020

Reported: 02/24/2020

Project Name: ADVANCE ENERGY

Project Name: ADVANCE ENERGY
Project Number: D2MLT

Project Location: NOT GIVEN

Sampling Date: 02/21/2020

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

# Sample ID: B - 07 4.5' (H000558-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	02/24/2020	ND	432	108	400	0.00	

# Sample ID: B - 09 3.5' (H000558-02)

BTEX 8021B	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID 101 % 73.3-129

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.3-144

# Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Reporting Limit

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: B - 09 3.5' (H000558-02)

Analyte

TPH 8015M mg/kg Analyzed By: CK

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Analyzed

Surrogate: 1-Chlorooctadecane 84.9 % 42.2-156

Result

Sample ID: B - 11 3' (H000558-03)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Reporting Limit BS True Value QC RPD Analyte Result Analyzed Method Blank % Recovery Qualifier Chloride 160 16.0 02/24/2020 ND 432 108 400 0.00

Sample ID: B - 12 4.2' (H000558-04)

Chloride, SM4500Cl-B Analyzed By: GM mg/kg Analyte Reporting Limit Analyzed Method Blank BS True Value QC RPD Qualifier Result % Recovery Chloride 2280 16.0 02/24/2020 0.00 ND 432 108 400

Sample ID: B - 19 4.2' (H000558-05)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 688 16.0 02/24/2020 ND 432 108 400 0.00

Cardinal Laboratories \*=Accredited Analyte

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Celey & Kune



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Applyzod By: CK

Project Location: NOT GIVEN

# Sample ID: W - 13 0-1' (H000558-06)

RTFY 8021R

Result	Reporting Limit	Analyzed	M (I   I   I					
<0.050		, 1101,200	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
~0.030	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
<0.300	0.300	02/22/2020	ND					
101 9	73.3-12	9						
mg/	kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
80.0	16.0	02/24/2020	ND	432	108	400	0.00	
mg/	kg	Analyze	d By: CK					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
<10.0	10.0	02/22/2020	ND					
87.1	% 44.3-14	4						
00.0		6						
	mg/ Result <10.0 <10.0 <10.0 <87.1 \$	Result Reporting Limit  <10.0 10.0  <10.0 10.0  <10.0 10.0  <87.1 % 44.3-14-14-14-14-14-14-14-14-14-14-14-14-14-	80.0     16.0     02/24/2020       mg/kg     Analyze       Result     Reporting Limit     Analyzed       <10.0	80.0         16.0         02/24/2020         ND           mg/kg         Analyzed By: CK           Result         Reporting Limit         Analyzed         Method Blank           <10.0	80.0       16.0       02/24/2020       ND       432         mg/kg       Analyzed By: CK         Result       Reporting Limit       Analyzed       Method Blank       BS         <10.0	80.0       16.0       02/24/2020       ND       432       108         mg/kg       Analyzed By: CK         Result       Reporting Limit       Analyzed Method Blank       BS       % Recovery         <10.0	80.0         16.0         02/24/2020         ND         432         108         400           mg/kg         Analyzed By: CK           Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <10.0	80.0 16.0 02/24/2020 ND 432 108 400 0.00  mg/kg Analyzed By: CK  Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  <10.0 10.0 02/22/2020 ND 193 96.4 200 2.80  <10.0 10.0 02/22/2020 ND 188 94.0 200 2.59  <10.0 10.0 02/22/2020 ND  87.1 % 44.3-144

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Analyzed By: CK

Project Location: NOT GIVEN

# Sample ID: W - 14 0-4' (H000558-07)

BTEX 8021B

	9,	9	7	7: - 0::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	85.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.5	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Applyzod By: CK

Project Location: NOT GIVEN

# Sample ID: W - 15 0-4' (H000558-08)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	88.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	92.2	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Applyzod By: CK

Project Location: NOT GIVEN

# Sample ID: W - 16 0-1' (H000558-09)

RTFY 8021R

B1EX 8021B	mg/	кg	Апатуге	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: D2MLT

Project Location: NOT GIVEN

# Sample ID: W - 17 0-1' (H000558-10)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	85.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.7	% 42.2-15	6						

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Celey D. Keine



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Applyzod By: CK

Project Location: NOT GIVEN

# Sample ID: W - 18 0-4' (H000558-11)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/24/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.1	% 42.2-15	6						

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# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: W - 19 0-2' (H000558-12)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

**Chloride** 144 16.0 02/24/2020 ND 432 108 400 0.00

Sample ID: W - 20 0-2' (H000558-13)

Chloride, SM4500Cl-B Analyzed By: GM BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 192 16.0 02/24/2020 432 400 0.00 Chloride ND 108

Sample ID: W - 21 0-3' (H000558-14)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 80.0 02/24/2020 ND 400 0.00 16.0 432 108

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# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: D2MLT Sample Received By: Tamara Oldaker

Analyzed By: CK

Project Location: NOT GIVEN

# Sample ID: W - 22 0-1' (H000558-15)

BTEX 8021B

	9,	9	7	7: - 0::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/24/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 42.2-15	6						

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# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 02/21/2020 Sampling Date: 02/21/2020

Reported: 02/24/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker D2MLT

Project Location: NOT GIVEN

# Sample ID: W - 23 0-2' (H000558-16)

BTEX 8021B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/22/2020	ND	1.86	93.2	2.00	0.358	
Toluene*	<0.050	0.050	02/22/2020	ND	1.87	93.4	2.00	0.169	
Ethylbenzene*	<0.050	0.050	02/22/2020	ND	1.87	93.6	2.00	0.568	
Total Xylenes*	<0.150	0.150	02/22/2020	ND	5.43	90.5	6.00	0.559	
Total BTEX	<0.300	0.300	02/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/24/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/22/2020	ND	193	96.4	200	2.80	
DRO >C10-C28*	<10.0	10.0	02/22/2020	ND	188	94.0	200	2.59	
EXT DRO >C28-C36	<10.0	10.0	02/22/2020	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.8	% 42.2-15	6						

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Celey D. Keene



02/21/2020

# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Sampling Date:

02/21/2020

Reported: Sampling Type: Soil 02/24/2020

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Project Number: D2MLT Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: W - 24 0-4' (H000558-17)

Received:

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 02/24/2020 ND 416 400 0.00 128 16.0 104

Sample ID: W - 25 0-4' (H000558-18)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank Qualifier % Recovery Chloride 96.0 16.0 02/24/2020 416 400 0.00 ND 104

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# **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

	.T. Hicks Consultants									BI	LL TO					Al	VALYS	S RE	QUE	ST	
Project Manager:	Andrew Parker							P.O.	. #:		A										
Address: On-File								Con	npar	y: F	R.T. Hic	ks									
City:	State:	Zij	o:					Attn	1:	S	Send to										
Phone #:	Fax #:							Add	ress		ndrew@	rthicks									
Project #:	Project Owne	r:						City	:		onsult.co		1	W.							
Project Name: Adv	mce Energy							State			Zip:		1	6							
Project Location:	2MLT								ne #		p.			IR							
Sampler Name: Jac	ob Saenz							Fax		•				Ŧ	×						
FOR LAB USE ONLY					MA	TRI	_	_	RES	ERV.	SAMPL	ING		RC	BTEX						
Lab I.D. H000558	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, B						ī
1 B-0		6	1		X				X		2/21/20	Tan	×								
28-0		1	1		1				1			8:15 on	1	X	X						
38-11			Ш		1							8:7044									
4 3-1		11	Ш									9-7									
5 B-1		1	Ш									9:15 ma									
6 W-1			Ш									9:3000		X	X						
7 W-			Ш				= 1					Ho-m		X	X						
8 w-1		П	1									laiken		X	X						
9 W-1		1	1		1							10:30m		X	X						
10 W-1									100			10:4500	177					-			

Relinquished By:  5AuB SAEr2	Date: 21-20 Time: 435	Received By:	0111	Phone Result: Fax Result: REMARKS:	☐ Yes ☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Relinquished By:		Received By:	every -				2.0411
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	4.4° 1	Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials)			K	JUM.

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Page 16 of 16

Received by OCD: 6/8/2022 1:00:12 PM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush!

101 East Marland, Hobbs, NM 88240

	Consultants						1		BI	LL TO	# 1 T			_	ANI	ALVO	10 00	-011-			
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mpler Name: Jacob Saenz					_			x #:	#:	-			<b>№</b>								
OR LAB USE ONLY					MATI	XIS	Jr a	_	SERV.	SAMPL	ING		2	BTEX							1
Lab I.D. Sam	ple I.D.	- (G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE 2/21/20	TIME [[5]	X CHLORIDE	TPH (GRO+DRO+MRO)	A BENZENE, B'							
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SE NOTE: Liability and Damages, Cardinal's liabilies. All claims including trices for negligence and a. In no event shall Cardinal be liable for incidenta as or successors arising out of or related to the perinquished By:	or consequental damages, including wit formance of services hereunder by Card	hout li	mitatio gardie	unicoa m	ss internation	ming and	Lacon	rod by C	ardinal w	thin 30 days after	completion of the	es, ult:	□ Yes			I Phone	#:				

CHECKED BY:

(Initials)

Sample Condition

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Cool Intact
Yes Yes
No No † Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



April 02, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 04/01/20 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

Sample ID: B - 200 0.5' (H000975-01)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit Analyzed Method Blank BS % Recovery True Value OC RPD Oualifier Analyte Result Chloride 96.0 16.0 04/02/2020 ND 432 108 400 3.77

Sample ID: B - 201 1' (H000975-02)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 16.0 16.0 04/02/2020 ND 432 108 400 3.77

Sample ID: B - 202 0.5' (H000975-03)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 272 16.0 04/02/2020 ND 400 3.77 432 108

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Analyzed By: MS

Project Location: NOT GIVEN

# Sample ID: B - 203 1.5' (H000975-04)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/02/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	185	92.7	200	0.00809	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	178	89.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/02/2020	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.4	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

Sample ID: B - 204 4.2' (H000975-05)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 656 04/02/2020 ND 432 400 16.0 108 3.77

Sample ID: B - 205 4.2' (H000975-06)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank % Recovery Qualifier Chloride 816 16.0 04/02/2020 432 400 3.77 ND 108

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Celey D. Keine



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Analyzed By: MS

Project Location: NOT GIVEN

# Sample ID: B - 206 4.2' (H000975-07)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	04/02/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	185	92.7	200	0.00809	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	178	89.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/02/2020	ND					
Surrogate: 1-Chlorooctane	93.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.6	% 42.2-15	6						

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Celey D. Keine



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

# Sample ID: W - 200 0-0.5' (H000975-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/02/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	185	92.7	200	0.00809	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	178	89.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/02/2020	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Analyzed By: MS

Project Location: NOT GIVEN

# Sample ID: W - 201 0-1.5' (H000975-09)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/02/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	185	92.7	200	0.00809	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	178	89.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/02/2020	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104	% 42.2-15	6						

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Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Analyzed By: MS

Project Location: NOT GIVEN

# Sample ID: W - 202 1-4' (H000975-10)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/02/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	185	92.7	200	0.00809	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	178	89.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	04/02/2020	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keene

Page 10 of 10





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

ompany Name: R.T. Hicks Consultants  roject Manager: Andrew Parker  ddress: On-File  ity: State: Zip:  hone #: Fax #:  roject #: Project Owner:  roject Name: Advance Energy  roject Location: Pager Lake to Merchant Line Test  ampler Name: Jacob Saenz	P.O. #: DL TML T Company: R.T. Hicks Attn: Send to Address: andrew@rthicks City: consult.com State: Zip: Phone #:	RO)	
ity: State: Zip: hone #: Fax #:  roject #: Project Owner:  roject Name: Advance Energy  roject Location: Pagger Lake to Merchant Line Test	Attn: Send to Address: andrew@rthicks City: consult.com State: Zip:	RO)	
hone #: Fax #:  roject #: Project Owner:  roject Name: Advance Energy  roject Location: Pager Lake to Merchant Line Test	Address: andrew@rthicks  City: consult.com  State: Zip:	RO)	
roject #: Project Owner:  roject Name: Advance Energy  roject Location: Pagger Lake to Merchant Line Test	City: consult.com State: Zip:	RO)	
roject Name: Advance Energy roject Location: Pagger Lake to Merchant Line Test	State: Zip:	RO)	
roject Location: Pagger Lake to Merchant Line Test		(S)	
roject Location: Pagger Lake to Merchant Line Test	Phone #:		
		2	
	Fax #:	1 to   X	
FOR LAB USE ONLY MATRIX	PRESERV. SAMPLING	DRO+	
(G)RAB OR (C)OMP.  # CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:  AMIL  AMIL	CHLORIDE TPH (GRO+DRO+MRO) BENZENE, BTEX	
1 13-200 O-SFT 2 11 X	X 4/1/20 9an	×	
2 B-201 IFT	1 9:30an		
3 B-202 0.5FT	9:45		
4 B-203 1.5FT	10an	XX	
5 B-204 4.2F7	10:30m		
6 B-205 4.2FT 4.2FT 4.2FT	10:45.0	1 2 2	
	1100	X X	
8 W-200 0 - 0.SFT 9 W-201 0 - 1.SFT	11:30m	XX	
9 W-201 0-10SFT	12/45	X X	
EASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in co		~	

Relinquished By:	Date: 1-70	Received By:		Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:	
3ALOB SAENZ	Time: 1640	10/		REMARKS:			1100110111	
Relinquished By:	Date:	Received By:						
Mm	Time:					Ru	541	
Delivered By: (Orcie One)	.92	Sample Condition Cool Intact	CHECKED BY: (Initials)					
Sampler - UPS - Bus - Other:	H		155					

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



April 02, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 04/01/20 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

R T HICKS CONSULTANTS
ANDREW PARKER
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE NM, 87104
Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

Sample ID: W - 203 0-4' (H000977-01)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Oualifier Result 160 400 Chloride 16.0 04/02/2020 ND 416 104 0.00

# Sample ID: W - 204 0-4' (H000977-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37	
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75	
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95	
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5	
Total BTEX	<0.300	0.300	04/02/2020	ND					

Surrogate: 4-Bromofluorobenzene (PID 101 % 73.3-129

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/02/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	167	83.7	200	15.3	
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	163	81.7	200	12.0	
EXT DRO >C28-C36	10.6	10.0	04/02/2020	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

Sample ID: W - 204 0-4' (H000977-02)

Analyte

TPH 8015M mg/kg Analyzed By: MS

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Analyzed

Surrogate: 1-Chlorooctadecane 96.5 % 42.2-156

Result

Reporting Limit

Sample ID: W - 205 0-4' (H000977-03)

Chloride, SM4500Cl-B Analyzed By: GM Reporting Limit BS True Value QC RPD Analyte Result Analyzed Method Blank % Recovery Qualifier Chloride 144 16.0 04/02/2020 ND 416 104 400 0.00

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104 Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Sample Received By: Project Number: DAGGER LAKE TO MERCHANT LINE TEST Kelly Jacobson

Project Location: NOT GIVEN

# Sample ID: W - 206 0-4' (H000977-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/02/2020	ND	1.86	93.2	2.00	9.37		
Toluene*	<0.050	0.050	04/02/2020	ND	1.85	92.7	2.00	9.75		
Ethylbenzene*	<0.050	0.050	04/02/2020	ND	1.86	92.8	2.00	9.95		
Total Xylenes*	<0.150	0.150	04/02/2020	ND	5.34	89.0	6.00	10.5		
Total BTEX	<0.300	0.300	04/02/2020	ND						
Surrogate: 4-Bromofluorobenzene (PID	101 9	73.3-12	9							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM						
Analyte	Result Reporting Limit		Analyzed	Analyzed Method Blank		% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/02/2020	ND	416	104	400	0.00		
TPH 8015M	TPH 8015M mg/l		Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/02/2020	ND	167	83.7	200	15.3		
DRO >C10-C28*	<10.0	10.0	04/02/2020	ND	163	81.7	200	12.0		
EXT DRO >C28-C36	10.8	10.0	04/02/2020	ND						
Surrogate: 1-Chlorooctane	86.0	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	92.2	% 42.2-15	6							

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene



# Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/01/2020 Sampling Date: 04/01/2020

Reported: 04/02/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Project Location: NOT GIVEN

Sample ID: W - 207 0-4' (H000977-05)

Chloride, SM4500Cl-B Analyzed By: GM Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 144 16.0 04/02/2020 ND 416 104 400 0.00

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene



# **Notes and Definitions**

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC

batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg & Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

101 East Marland, Hobbs, NM 88240

Company Name: R.T. Hicks Consultants							BILL TO						ANALYSIS REQUEST								
Project Manage	lanager: Andrew Parker						P.O. #: OLTMLT														
Address: On-File							Company: R.T. Hicks														
City:	State:	Zip					Attn: Send to														1
Phone #:	Fax #:						Address: andrew@rthicks				2						1				
Project #:	ect #: Project Owner:						Cit	y:	C	onsult.co	m										
Project Name: Advance Energy Project Location: Dagger Lake To Merchant Line Test							Sta	ate:		Zip:			9								
Project Location: Dagger Lake To Merchant Line Test						Phone #:						Ž									
Sampler Name:	Jacob Saenz						Fa	x #:					to	BTEX							
FOR LAB USE ONLY		١,.			MATE	RIX		PRES	ERV.	SAMPLI	NG		DR	BT							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,							
1	W-203 9-4FT	1	1		of			×		4/1/20	12715 pm	X									
2	W-204 0-4FT	1	1		1			1		1	12:3000	1	X	X				1	E		
3	W-205 0-4FT					1					12:45pm										
4	W-206 0-4PT	1	1								len		X	X							
5	W-207 0-4FT	V	V		V					1	1:15pm	V									
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PLEASE NOTE: Liability a	and Damages, Cardinal's liability and client's exclusive remedy for	any clair	n arieir	a whether	hased in	contra	at or to	t shall he	limited	to the amount pair	hy the client for	the									

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: 1 - 7 0	Received By:	//	Phone Result:	☐ Yes	□ No	Add'l Phone #:	
-Crim (MEN)	4-1-60	12		Fax Result:	☐ Yes	□ No	Add'l Fax #:	
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Relinquished By:	Date:	Received By:					. 1	
NIV	Time:				D	ust	1 '	
Delivered By: (Circle One) 4	2	Sample Cond			10			
Sampler - UPS - Bus - Other:	4	Cool Intac	tes // (Initials)					

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



April 03, 2020

ANDREW PARKER
R T HICKS CONSULTANTS
901 RIO GRANDE BLVD SUITE F-142
ALBUQUERQUE, NM 87104

RE: ADVANCE ENERGY

Enclosed are the results of analyses for samples received by the laboratory on 04/02/20 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/02/2020 Sampling Date: 04/02/2020

Reported: 04/03/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact
Project Number: DAGGER LAKE TO MERCHANT LINE TEST Sample Received By: Kelly Jacobson

Analyzed By MC

Project Location: NOT GIVEN

## Sample ID: HA - 03 0-4' (H000990-01)

DTEV 0021D

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2020	ND	2.18	109	2.00	5.62	
Toluene*	< 0.050	0.050	04/03/2020	ND	2.18	109	2.00	5.70	
Ethylbenzene*	< 0.050	0.050	04/03/2020	ND	2.19	109	2.00	5.74	
Total Xylenes*	<0.150	0.150	04/03/2020	ND	6.32	105	6.00	6.02	
Total BTEX	<0.300	0.300	04/03/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/03/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2020	ND	187	93.5	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/03/2020	ND	182	90.8	200	0.355	
EXT DRO >C28-C36	<10.0	10.0	04/03/2020	ND					
Surrogate: 1-Chlorooctane	98.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	103	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

R T HICKS CONSULTANTS ANDREW PARKER 901 RIO GRANDE BLVD SUITE F-142 ALBUQUERQUE NM, 87104

Fax To: NONE

Received: 04/02/2020 Sampling Date: 04/02/2020

Reported: 04/03/2020 Sampling Type: Soil

Project Name: ADVANCE ENERGY Sampling Condition: Cool & Intact Sample Received By: Project Number: DAGGER LAKE TO MERCHANT LINE TEST Kelly Jacobson

Project Location: **NOT GIVEN** 

#### Sample ID: HA - 04 0-4' (H000990-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/03/2020	ND	400	100	400	3.92	

Cardinal Laboratories \*=Accredited Analyte

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

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 5

Received by OCD: 6/8/2022 1:00:12 PM



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

Company Name	R. I. FIICKS Consultar	nts								Title	BI	LL TO	11				ANA	LYSIS	REQ	UEST		
Project Manage	er: Andrew Parker								P.O	. #:	DL	TMLT										
Address: O	n-File								Con	npar	ny: F	R.T. Hick	ks	1								
City:	S	tate:	Zip	:					Attr	1:	S	end to										
Phone #:	Fa	x #:							Ado	dres	s: a	ndrew@1	rthicks									
Project #:	Pro	oject Owne	r:						City			onsult.co										
roject Name:	Advance Energy								Stat	te:		Zip:			0							
roject Locatio	Advance Energy on: Pagger Lake to Jacob Saenz	Mercho	nt	Li	ie .	Tes	1		Pho	ne #	<b>#</b> :				MR						1 1	
Sampler Name:	Jacob Saenz								Fax	#:				1	$\Xi$	X					1 1	
FOR LAB USE ONLY						MA	TRI	(	I	PRES	SERV.	SAMPLI	NG	1	N N	BTEX					1	
Lab I.D.	Sample I.D.	0-4FT	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,						
	HA-03 HA-04	0-4FT	6	I		X				)	(	4/2/20	21-	X	X	X						
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Relinquished By:	Time:	ceived By:		REMARKS:		) 4	h	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	411 411	Sample Condition Coof Intact Yes Yes No No	CHECKED BY:			CNJ		



May 06, 2022

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: 01082020-0130-PRODOPS

Enclosed are the results of analyses for samples received by the laboratory on 05/03/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Analyzed By: MS/

Project Location:

BTEX 8021B

Sample ID: W - 02 0 - 4 FT (H221842-01)

mg/kg

	9,	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	143	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	146	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location:

RTFY 8021R

## Sample ID: W - 03 0 - 4 FT (H221842-02)

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	162	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	162	% 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 04N 0 - 4 FT (H221842-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	149	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	148	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 04S 0 - 4 FT (H221842-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	140	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	142	% 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS ANDREW PARKER 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 05N 0 - 4 FT (H221842-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	138 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	139 %	6 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 05S 0 - 4 FT (H221842-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	136	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	138	% 59.5-14	12						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 06 0 - 4 FT (H221842-07)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	135	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	139	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 07N 0 - 4 FT (H221842-08)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	134	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	136	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 07S 0 - 4 FT (H221842-09)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	148	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	152	% 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 09 0 - 2.5 FT (H221842-10)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	132 5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	131	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 10 0 - 4 FT (H221842-11)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	< 0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	193	96.3	200	8.05	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	192	96.1	200	0.914	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	135	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	134	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

#### Sample ID: W - 11N 0 - 4 FT (H221842-12)

De QC RPD Qualifier  5.76  6.43  6.26  6.50
6.43 6.26
6.26
6.50
ue QC RPD Qualifier
0.00
ue QC RPD Qualifier
5.76
4.66
0

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 11S 0 - 4 FT (H221842-13)

BTEX 8021B	mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	124 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	126	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 19 0 - 2 FT (H221842-14)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	119	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	122	% 59.5-14	2						

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

## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 20 0 - 2 FT (H221842-15)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	116	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS ANDREW PARKER 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact Sample Received By: Project Number: [none] Tamara Oldaker

Project Location:

## Sample ID: W - 21 0 - 3 FT (H221842-16)

TEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	140 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	148 %	6 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 24 0 - 4 FT (H221842-17)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	126	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	130	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Applyzod By: MC/

Project Location:

RTFY 8021R

## Sample ID: W - 25 0 - 4 FT (H221842-18)

BIEX 8021B	тд/кд		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	129	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	134	% 59.5-14.	2						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 100 0 - 1.5 FT (H221842-19)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	119	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	124	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Mile Sough



## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 101 0 - 3 FT (H221842-20)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	5.76	
Toluene*	<0.050	0.050	05/04/2022	ND	2.13	107	2.00	6.43	
Ethylbenzene*	<0.050	0.050	05/04/2022	ND	2.04	102	2.00	6.26	
Total Xylenes*	<0.150	0.150	05/04/2022	ND	6.35	106	6.00	6.50	
Total BTEX	<0.300	0.300	05/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	116	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	22						

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MMc Songh



## Analytical Results For:

ADVANCE ENERGY PARTNERS ANDREW PARKER 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact Project Number: Sample Received By: [none] Tamara Oldaker

Project Location:

## Sample ID: W - 102 0 - 3 FT (H221842-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	118 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	122 9	6 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 103 0 - 3 FT (H221842-22)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	118	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	123	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 105 0 - 4 FT (H221842-23)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/04/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/04/2022	ND					
Surrogate: 1-Chlorooctane	115	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS

ANDREW PARKER

11490 WESTHEIMER ROAD, STE. 950

HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 106 0 - 2 FT (H221842-24)

BTEX 8021B	mg	/kg	Analyze	ed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114	% 59.5-14	22						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS ANDREW PARKER 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 203 0 - 4 FT (H221842-25)

BTEX 8021B	mg/	kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					
Surrogate: 1-Chlorooctane	110 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 %	6 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 205 0 - 4 FT (H221842-26)

BTEX 8021B	mg,	'kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					
Surrogate: 1-Chlorooctane	119	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	123	% 59.5-14	2						

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## Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/03/2022 Sampling Date: 04/21/2022

Reported: 05/06/2022 Sampling Type: Soil
Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact

Project Number: [none] Sample Received By: Tamara Oldaker

Project Location:

## Sample ID: W - 207 0 - 4 FT (H221842-27)

BTEX 8021B	mg	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2022	ND	2.20	110	2.00	8.74	
Toluene*	<0.050	0.050	05/05/2022	ND	2.19	109	2.00	8.94	
Ethylbenzene*	<0.050	0.050	05/05/2022	ND	2.09	105	2.00	8.86	
Total Xylenes*	<0.150	0.150	05/05/2022	ND	6.51	108	6.00	8.47	
Total BTEX	<0.300	0.300	05/05/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2022	ND	195	97.4	200	5.76	
DRO >C10-C28*	<10.0	10.0	05/05/2022	ND	195	97.4	200	4.66	
EXT DRO >C28-C36	<10.0	10.0	05/05/2022	ND					
Surrogate: 1-Chlorooctane	117	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	22						

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MA Sough



## **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Mile Sough



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

ompany Name:	(575) 393-2326 FAX (575) 393-247 Advance Energy Partners						Т			BIL	L TO	1-1-1			_	_	ANA	LYSI	S RE	QUE	51	_	_
roject Manager							7	P.O.	#:0	1082	020-0130-	Prodops											1
	-File									y: A													
		Zip						Attn			end to												
city:	State:	ZIP					_	-			arker@				1								
hone #:	Fax #:		-			_		City:			eredev.co	om										- 1	
roject #:	Project Owne	r:	_	_		-	-							0								- 1	
roject Name:	01082020-0130-Prodops					_		State			Zip:			Æ	1							. 1	
roject Location	n: Dagger Lake to Merchant L	ine	Tes	st			_	Pho		;				Ŧ	1 3	<		1	1		1 1		
Sampler Name:		_	_	_			_	Fax		ERV.	SAMPLI	NG.		80	1	DIEA			1		1 1		
FOR LAB USE ONLY		١,			MA	TRI	K	-1	PRES	ERV.	SAMPLI	ING	62	P	1	٩							
Lab I.D. 4221842	Sample I.D.	(G)RAB OR (C)OMP.	NTAINE	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	+	BENZENE,							
100101-	Nat cu A	16	1		X				1	X	4/21/22	8am	X	X	+	X	-	+	+	+	-		
2	W-03 0-4FT		h		1					1	11	8:10%	11	11	+	+	-	-	+-	+			
2	W-04N 0-4F1	11	Ш								1	8-201n	H	$\vdash$	+	+	+	+	1	+	+		
R	W-045 9-4 PT	11	11									8:301 1	11	+	+	+	+	+	+	+	+		
3	W-05N 0-4A1		1)									8.4094	H	11	+	+	-	-	+	+	1		
(0	W-055 0-4FT		11							1		8:50 nr	11	11	+	-	-	-	+	+	+		
Ý	W-06 9-4 FT									1		960	1	11	-	-	+	-	+	+	1		
8	W-07N 9-4 PT											9:10am		11	-	-	-	+	+	+	1		
å	W-075 9-4 FT	(1)									11	9:30	11/	11	4	1	-	+	+	+			
10	1-0-09 1-2.581	19	M		1	1			1	V	W	9:30 na	IV	V		_							

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Relinquished By:  3 A 205 S PGN2	Date: 5-3-22 Times	Received By:	11/1/1/	Phone Result: Fax Result: REMARKS:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date:	Received By:				P.	addit 4/22
Delivered By: (Circle One) A	1.12 C-0	Sample Condition Cool Intact Yes Yes No No	CHECKED BY:			1	9/1

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

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

Company Name	: Advance I	Energy Partners									BI	LL TO					ANALYS	S REQUE	ST	
Project Manage									P.O.	#:0	1082	2020-0130	)-Prodops							
Address: O	n-File								Com	pan	y: A	EP								
City:		State:	Zip	):					Attn	:	S	end to								
Phone #:		Fax #:							Add	ress	: ap	arker@								
Project #:		Project Owne	er:						City		am	eredev.c	om		_					
Project Name:	01082020-0	0130-Prodops							State	e:		Zip:			2					
Project Locatio	n: Dagger L	ake to Merchant L	ine	Te	st				Pho	ne#					Z					
Sampler Name:	Jacob Saenz	Z							Fax	#:					0	BTEX				
FOR LAB USE ONLY			1	Г	Г	MA	TRI)	(	P	RES	ERV.	SAMPL	ING		DR	BT	1 1			
Lab I.D.		ple I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,				
17	W-10	a-4ft	6	1		X				X		4/21/22	9:40~	X	Х	X				
13 14 15	W-11N	0-4 F7	11	11		1			1			1	9:50-1	1	1	1				
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14	W-19	0-2 Pr	-	H	L		-		-		+		90:10m	$\vdash$	1	1		-	+++	_
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16	W-24	0-3 FT 0-4 Ft	-	-	H		-		+	-	+	-	10:40	+	+	+			+	_
11	W735	0-4F1	1	-	$\vdash$	1			+	1	+		10:50 KM		-	+				-
17 19 20	W-100	0-1.5 FT	1)	-	H		-		+	+	+		11 1		1	+		1		
5	W-101	0-3 FT	V	V	Н	4	-		+	1	/	14/	11:10m	W	V	V				

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Relinquished By:	Date: 5-3-22	Received By:	(nn 11	Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
THEOS SHENZ	Time:	Mulara	KNALK	REMARKS:			
Relinquished By:	Date:	Received By:		0.	)		JUS Jalla 14/22
	Time:	_		1.	1		p radio s
Delivered By: (Circle One)	4.1c) C-6	O. S c Sample Condition Cool Intact	CHECKED BY: (Initials)				1
Sampler - UPS - Bus - Other:	3.6c 7	#//3 Pyes Pyes	10				

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Released to Imaging: 8/23/2023 11:20:47 AM

101 East Marland, Hobbs, NM 88240 (575) 303-2326 EAY (575) 303-2476

Company Name	Advance Energy Partners								E	31L	LTO					AN	ALYS	IS RE	EQUE	ST		
Project Manage							F	.O. #	:010	820	020-0130	-Prodops										
Address: Or	n-File						0	omp	any:	Al	EP											
City:	State:	Zip	:				1	ttn:		Se	nd to											
Phone #:	Fax #:						1	ddre	ss:	apa	arker@											
Project #:	Project Own	ner:					0	ity:	a	me	redev.c	om		_								
Project Name:	01082020-0130-Prodops						s	tate:		2	Zip:			000								
Project Location	n: Dagger Lake to Merchant	Line	Te	st			F	hone	e #:					Z								
Sampler Name:	Jacob Saenz						F	ax#						0	BTEX	- 1		1				
FOR LAB USE ONLY		1.	Г	F	MAT	RIX	-	PR	ESER	₹V.	SAMPLI	NG		DR	BT							
Lab I.D.	Sample I.D.	S(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,							
21	W-102 0-3 PT W-103 0-3 PT	0	1		Х				Х		4/21/22		Х	X	Х							
22	W-103 0-3 F7	11	1	L					1	1		11:39	1		1		-	-				_
23	W-105 0-4FT	-11	Н	L		4	4	$\perp$		4	-	11:49 mr	1	H	$\mathbb{H}$	-	-	+	+			
24	W-100 0-8F1	$\mathbb{H}$	Н	L	1	4	-	+	-	+	-	11:5000	$\vdash$	+	Н	-	-	+	+	-	-	-
25	W-203 0-4F1 W-205 0-4Fi		H	H		+	+	+	1	+	-	1200	Н	+	H	-	+	+	+		-	
1001842 21 22 23 24 25 24 25 29	w-205 0-4Fi w-207 0-4Fi	V	t		1			1	V		V	12:10pm	1	V	V							
		+					1	-														

analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: 3-3-22	Received By:	0011	Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:	
3/10/5 SAENC	Time: 600 C	Munka 14-	ldatsk	REMARKS:	2			0 2 1 1
Relinquished By:	Date:	Received By:		1	7.	)		Justila
	Time:							P ada
Delivered By: (Circle One) 2	file ) C-6	Sample Condition	CHECKED BY: (Initials)					10 14 22
Sampler - UPS - Bus - Other:	3.60 #	1/3 PYes PYes	20					5/1

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



May 10, 2022

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: 01082020-0130-PRODOPS

Enclosed are the results of analyses for samples received by the laboratory on 05/03/22 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

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

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

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

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

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS

Project Number: DAGGER LAKE TO MERCHANT LINI

Project Manager: ANDREW PARKER Fax To: (832) 672-4609 Reported: 10-May-22 09:36

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B - 01 4.7'	H221843-01	Soil	21-Apr-22 12:30	03-May-22 16:00
B - 03N 4.7'	H221843-02	Soil	21-Apr-22 12:40	03-May-22 16:00
B - 03S 4.7'	H221843-03	Soil	21-Apr-22 12:50	03-May-22 16:00
B - 04N 4.7'	H221843-04	Soil	21-Apr-22 01:00	03-May-22 16:00
B - 04S 4.7'	H221843-05	Soil	21-Apr-22 01:10	03-May-22 16:00
B - 05 4.7'	H221843-06	Soil	21-Apr-22 01:20	03-May-22 16:00
B - 06 4.7'	H221843-07	Soil	21-Apr-22 01:30	03-May-22 16:00
B - 07N 3'	H221843-08	Soil	21-Apr-22 01:40	03-May-22 16:00
B - 07S 3'	H221843-09	Soil	21-Apr-22 01:50	03-May-22 16:00
B - 08N 4.5'	H221843-10	Soil	21-Apr-22 02:00	03-May-22 16:00
B - 08S 4.5'	H221843-11	Soil	22-Apr-22 09:00	03-May-22 16:00
B - 09E 4.7'	H221843-12	Soil	22-Apr-22 09:15	03-May-22 16:00
B - 09W 4.7'	H221843-13	Soil	22-Apr-22 09:25	03-May-22 16:00
B - 10N 3.5'	H221843-14	Soil	22-Apr-22 09:35	03-May-22 16:00
B - 10S 3.5'	H221843-15	Soil	22-Apr-22 09:45	03-May-22 16:00
B - 11 3.5'	H221843-16	Soil	22-Apr-22 10:00	03-May-22 16:00
B - 12N 4.7'	H221843-17	Soil	22-Apr-22 10:10	03-May-22 16:00
B - 12S 4.7'	H221843-18	Soil	22-Apr-22 10:25	03-May-22 16:00
B - 13C 4.7'	H221843-19	Soil	22-Apr-22 10:35	03-May-22 16:00
B - 13E 5'	H221843-20	Soil	22-Apr-22 10:45	03-May-22 16:00
B - 13W 5'	H221843-21	Soil	22-Apr-22 11:00	03-May-22 16:00
B - 14E 2.5'	H221843-22	Soil	22-Apr-22 11:15	03-May-22 16:00
B - 14W 2.5'	H221843-23	Soil	22-Apr-22 11:25	03-May-22 16:00
B - 16N 4.7'	H221843-24	Soil	22-Apr-22 11:35	03-May-22 16:00
B - 16S 4.7'	H221843-25	Soil	22-Apr-22 11:45	03-May-22 16:00
B - 17E 2.5'	H221843-26	Soil	22-Apr-22 12:00	03-May-22 16:00
B - 17W 2.5'	H221843-27	Soil	22-Apr-22 12:10	03-May-22 16:00

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Celey D. Keine



# **Analytical Results For:**

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, HOUSTON TX, 77077		Project Number: Project Manager:	01082020-0130-PRODOPS DAGGER LAKE TO MERCHANT LINI ANDREW PARKER (832) 672-4609	Reported: 10-May-22 09:36
B - 18E 3.5'	H221843-28	Soil	22-Apr-22 12:15	03-May-22 16:00
B - 18W 3.5'	H221843-29	Soil	22-Apr-22 12:30	03-May-22 16:00
B - 19 4.7'	H221843-30	Soil	22-Apr-22 12:45	03-May-22 16:00
B - 20NE 1.5'	H221843-31	Soil	22-Apr-22 13:00	03-May-22 16:00
B - 20NW 1.5'	H221843-32	Soil	22-Apr-22 13:15	03-May-22 16:00
B - 20SE 1.5'	H221843-33	Soil	22-Apr-22 13:30	03-May-22 16:00
B - 20SW 1.5'	H221843-34	Soil	22-Apr-22 13:45	03-May-22 16:00
B - 20W 1.5'	H221843-35	Soil	25-Apr-22 10:00	03-May-22 16:00
B - 21C 4'	H221843-36	Soil	25-Apr-22 10:10	03-May-22 16:00
B - 21N 4'	H221843-37	Soil	25-Apr-22 10:25	03-May-22 16:00
B - 21S 4'	H221843-38	Soil	25-Apr-22 10:35	03-May-22 16:00
B - 22C 1.5'	H221843-39	Soil	25-Apr-22 10:45	03-May-22 16:00
B - 22E 1.5'	H221843-40	Soil	25-Apr-22 11:00	03-May-22 16:00
B - 22W 1.5'	H221843-41	Soil	25-Apr-22 11:15	03-May-22 16:00
B - 200 1'	H221843-42	Soil	25-Apr-22 11:30	03-May-22 16:00
B - 201 1.5'	H221843-43	Soil	25-Apr-22 11:45	03-May-22 16:00
B - 202 1'	H221843-44	Soil	25-Apr-22 12:00	03-May-22 16:00
B - 204 4.7'	H221843-45	Soil	25-Apr-22 12:30	03-May-22 16:00
B - 205 4.7'	H221843-46	Soil	25-Apr-22 12:30	03-May-22 16:00

05/10/22 - Client clarified the sample IDs. This is the revised report with the correct sample IDs. This report will replace the one sent on 05/06/22.

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS

Project Number: DAGGER LAKE TO MERCHANT LINI

Project Manager: ANDREW PARKER
Fax To: (832) 672-4609

Reported: 10-May-22 09:36

# B - 01 4.7' H221843-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1680		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	ID)		100 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			118 %	66.9	-136	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			122 %	59.5	-142	2050408	MS	05-May-22	8015B	

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Celey D. Keene



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 03N 4.7' H221843-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	1170		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		103 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9	-136	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			124 %	59.5	-142	2050408	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077 Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

B - 03S 4.7' H221843-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1230		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			129 %	66.9	-136	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			134 %	59.5	-142	2050408	MS	05-May-22	8015B	

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Celey D. Keine



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 04N 4.7' H221843-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	2200		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		103 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			122 %	66.9	-136	2050408	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			127 %	59.5	-142	2050408	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Project: 01082020-0130-PRODOPS

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B-04S 4.7' H221843-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	ıl Laborat	ories								
norganic Compounds													
Chloride	1920		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B				
Volatile Organic Compounds by	EPA Method	8021											
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B				
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B				
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B				
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B				
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B				
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050440	MS/	05-May-22	8021B				
Petroleum Hydrocarbons by GC	FID												
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B				
Surrogate: 1-Chlorooctane			109 %	66.9	-136	2050443	MS	05-May-22	8015B				
Surrogate: 1-Chlorooctadecane			118 %	59.5	-142	2050443	MS	05-May-22	8015B				

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 05 4.7' H221843-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	2160		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		102 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			115 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			121 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

B-06 4.7' H221843-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	2800		16.0	mg/kg	4	2050517	AC	05-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pa	ID)		102 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			119 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			126 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER HOUSTON TX, 77077

Fax To: (832) 672-4609

# B-07N 3' H221843-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	208		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		102 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			119 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			126 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celey D. Keene



# Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 07S 3' H221843-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PL	D)		101 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			95.9 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			99.6 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 08N 4.5' H221843-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050440	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050440	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		101 %	69.9	-140	2050440	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			112 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			119 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celey D. Keene



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 08S 4.5' H221843-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	D)		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			116 %	66.9-	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			124 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celeg D. Keene



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 09E 4.7' H221843-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds l	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			125 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			134 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 09W 4.7' H221843-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			116 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			123 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 10N 3.5' H221843-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			126 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			134 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS

Project Number: DAGGER LAKE TO MERCHANT LINE

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 10S 3.5' H221843-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			123 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			132 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 11 3.5' H221843-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			124 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			134 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 12N 4.7' H221843-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			115 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			123 %	59.5	-142	2050443	MS	05-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077 Project

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 12S 4.7' H221843-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			129 %	66.9	-136	2050443	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			138 %	59.5	-142	2050443	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 13C 4.7' H221843-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			77.8 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	59.5	-142	2050443	MS	06-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 13E 5' H221843-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1100		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		101 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			114 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			125 %	59.5	-142	2050443	MS	06-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 13W 5' H221843-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			118 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			126 %	59.5	-142	2050443	MS	06-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 14E 2.5' H221843-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID	))		101 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			129 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			142 %	59.5	-142	2050443	MS	06-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 14W 2.5' H221843-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			119 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			130 %	59.5	-142	2050443	MS	06-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 16N 4.7' H221843-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			124 %	66.9	-136	2050443	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			135 %	59.5	-142	2050443	MS	06-May-22	8015B	

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### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B-16S 4.7' H221843-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			120 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			121 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 17E 2.5' H221843-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	96.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			118 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			120 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keine



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 17W 2.5' H221843-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050518	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by GC	C FID									S-04
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			141 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			140 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 18E 3.5' H221843-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			126 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			129 %	59.5	-142	2050444	MS	05-May-22	8015B	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 18W 3.5' H221843-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds by	y EPA Method S	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by Go	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			110 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			110 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 19 4.7' H221843-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050501	MS/	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050501	MS/	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		103 %	69.9	-140	2050501	MS/	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			111 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			111 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

B - 20NE 1.5'

	11221043-51 (S0II)												
	-		Reporting		5.1								
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			

H2218/3\_31 (Soil)

Tillaryte	Tesait MDE	Limit	Omts	Direction	Batch	7 tharyst	7 mary zea	Wiethou	110103
		Cardina	l Laborat	ories					
Inorganic Compounds									
Chloride	48.0	16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method 8021								
Benzene*	< 0.050	0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Toluene*	< 0.050	0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Ethylbenzene*	< 0.050	0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total Xylenes*	< 0.150	0.150	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total BTEX	< 0.300	0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PIL	))	105 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID								
GRO C6-C10*	<10.0	10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane	·	107 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane		108 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077 Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

B - 20NW 1.5' H221843-32 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			111 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celeg D. Keene



# Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 Project: 01082020-0130-PRODOPS

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Number: DAGGER LAKE TO MERCHANT LINI Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

B - 20SE 1.5' H221843-33 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	80.0		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method 8	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by GO	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			112 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

B - 20SW 1.5' H221843-34 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	416		16.0	mg/kg	4	2050519	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds l	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			111 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			112 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 20W 1.5' H221843-35 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			101 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			78.0 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			77.9 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 21C 4' H221843-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	(D)		103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			75.9 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			75.9 %	59.5	-142	2050444	MS	05-May-22	8015B	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 21N 4' H221843-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			79.6 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			79.3 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 21S 4' H221843-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			77.3 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			78.1 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS

Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 22C 1.5' H221843-39 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	160		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	)		104 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			80.1 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			79.8 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keine



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 22E 1.5' H221843-40 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	176		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	oy EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			84.3 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			83.5 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077 Project Mai

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 22W 1.5' H221843-41 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	224		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			82.5 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			82.2 %	59.5	-142	2050444	MS	05-May-22	8015B	

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#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 200 1' H221843-42 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	16.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			78.9 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			79.1 %	59.5	-142	2050444	MS	05-May-22	8015B	

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#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 201 1.5' H221843-43 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	64.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds l	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by C	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			78.3 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			79.3 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

B - 202 1'

#### B - 202 1' H221843-44 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	32.0		16.0	mg/kg	4	2050526	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctane			78.0 %	66.9	-136	2050444	MS	05-May-22	8015B	
Surrogate: 1-Chlorooctadecane			77.9 %	59.5	-142	2050444	MS	05-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 204 4.7' H221843-45 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1120		16.0	mg/kg	4	2050527	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds l	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS∖	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			86.0 %	66.9	-136	2050418	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			88.3 %	59.5	-142	2050418	MS	06-May-22	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

> B - 205 4.7' H221843-46 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	1470		16.0	mg/kg	4	2050527	AC	05-May-22	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2050502	$MS \setminus$	05-May-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2050502	MS\	05-May-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2050502	MS\	05-May-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			103 %	69.9	-140	2050502	MS\	05-May-22	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2050418	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctane			95.0 %	66.9	-136	2050418	MS	06-May-22	8015B	
Surrogate: 1-Chlorooctadecane			98.3 %	59.5	-142	2050418	MS	06-May-22	8015B	

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Project: 01082020-0130-PRODOPS

Reported:

Project Number: DAGGER LAKE TO MERCHANT LINI

10-May-22 09:36

Project Manager: ANDREW PARKER

Fax To: (832) 672-4609

### **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050517 - 1:4 DI Water										
Blank (2050517-BLK1)				Prepared &	: Analyzed:	05-May-22	2			
Chloride	ND	16.0	mg/kg							
LCS (2050517-BS1)				Prepared &	Analyzed:	05-May-22	!			
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2050517-BSD1)				Prepared &	Analyzed:	05-May-22	2			
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 2050518 - 1:4 DI Water										
Blank (2050518-BLK1)				Prepared &	Analyzed:	05-May-22	!			
Chloride	ND	16.0	mg/kg							
LCS (2050518-BS1)				Prepared &	Analyzed:	05-May-22	2			
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2050518-BSD1)				Prepared &	Analyzed:	05-May-22	!			
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
Batch 2050519 - 1:4 DI Water										
Blank (2050519-BLK1)				Prepared &	: Analyzed:	05-May-22	!			
Chloride	ND	16.0	mg/kg							
LCS (2050519-BS1)				Prepared &	Analyzed:	05-May-22	!			
Chloride	432	16.0	mg/kg	400		108	80-120			

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Celey D. Keene



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### **Inorganic Compounds - Quality Control**

#### **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2050519 - 1:4 DI Water										
LCS Dup (2050519-BSD1)				Prepared &	z Analyzed:	05-May-22				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	
Batch 2050526 - 1:4 DI Water										
Blank (2050526-BLK1)				Prepared &	Analyzed:	05-May-22				
Chloride	ND	16.0	mg/kg							
LCS (2050526-BS1)				Prepared &	Analyzed:	05-May-22				
Chloride	448	16.0	mg/kg	400		112	80-120			
LCS Dup (2050526-BSD1)				Prepared &	Analyzed:	05-May-22				
Chloride	448	16.0	mg/kg	400		112	80-120	0.00	20	
Batch 2050527 - 1:4 DI Water										
Blank (2050527-BLK1)				Prepared &	z Analyzed:	05-May-22				
Chloride	ND	16.0	mg/kg							
LCS (2050527-BS1)				Prepared &	Analyzed:	05-May-22				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (2050527-BSD1)				Prepared &	Analyzed:	05-May-22				
Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	

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Celey D. Keene



%REC

#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Spike

Source

Reported: 10-May-22 09:36

RPD

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Reporting

Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
			Prepared: 0	04-May-22	Analyzed:	05-May-22			
ND	0.050	mg/kg							
ND	0.050	mg/kg							
ND	0.050	mg/kg							
ND	0.150	mg/kg							
ND	0.300	mg/kg							
0.0506		mg/kg	0.0500		101	69.9-140			
			Prepared &	Analyzed:	04-May-22	2			
2.20	0.050	mg/kg	2.00		110	83.4-122			
2.19	0.050	mg/kg	2.00		109	84.2-126			
2.09	0.050	mg/kg	2.00		105	84.2-121			
4.40	0.100	mg/kg	4.00		110	89.9-126			
2.11	0.050	mg/kg	2.00		105	84.3-123			
6.51	0.150	mg/kg	6.00		108	89.1-124			
0.0493		mg/kg	0.0500		98.6	69.9-140			
			Prepared: 0	04-May-22	Analyzed:	05-May-22			
2.01	0.050	mg/kg	2.00		101	83.4-122	8.74	12.6	
2.00	0.050	mg/kg	2.00		99.9	84.2-126	8.94	13.3	
1.92	0.050	mg/kg	2.00		95.8	84.2-121	8.86	13.9	
4.04	0.100	mg/kg	4.00		101	89.9-126	8.55	13.6	
1.94	0.050	mg/kg	2.00		97.0	84.3-123	8.31	14.1	
5.98	0.150	mg/kg	6.00		99.6	89.1-124	8.47	13.4	
0.0490		mg/kg	0.0500		98.0	69.9-140			
	ND ND ND ND 0.0506 2.20 2.19 2.09 4.40 2.11 6.51 0.0493 2.00 1.92 4.04 1.94 5.98	ND 0.050 ND 0.050 ND 0.150 ND 0.300  0.0506  2.20 0.050 2.19 0.050 2.09 0.050 4.40 0.100 2.11 0.050 6.51 0.150  0.0493  2.01 0.050 2.00 0.050 1.92 0.050 4.04 0.100 1.94 0.050 5.98 0.150	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg  2.20 0.050 mg/kg 2.19 0.050 mg/kg 2.09 0.050 mg/kg 4.40 0.100 mg/kg 2.11 0.050 mg/kg 6.51 0.150 mg/kg  0.0493 mg/kg  2.01 0.050 mg/kg 2.00 0.050 mg/kg 4.04 0.100 mg/kg 1.92 0.050 mg/kg 4.04 0.100 mg/kg 1.94 0.050 mg/kg 5.98 0.150 mg/kg	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg 0.0500  Prepared & 2.20 0.050 mg/kg 2.00 2.19 0.050 mg/kg 2.00 2.09 0.050 mg/kg 2.00 4.40 0.100 mg/kg 4.00 2.11 0.050 mg/kg 2.00 6.51 0.150 mg/kg 0.0500  Prepared: 0 0.0493 mg/kg 0.0500  Prepared: 0 2.01 0.050 mg/kg 2.00 0.050 mg/kg 2.00 0.050 mg/kg 2.00 0.0493 mg/kg 0.0500  Prepared: 0 2.01 0.050 mg/kg 2.00 1.92 0.050 mg/kg 2.00 4.04 0.100 mg/kg 4.00 1.94 0.050 mg/kg 2.00 5.98 0.150 mg/kg 6.00	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg  0.0506 mg/kg  0.0506 mg/kg  0.0500 mg/kg  2.00  2.19 0.050 mg/kg 2.00  2.09 0.050 mg/kg 2.00  4.40 0.100 mg/kg 4.00  2.11 0.050 mg/kg 2.00  6.51 0.150 mg/kg 0.0500  Prepared: 04-May-22 december of the control of the	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg 0.0500 101  Prepared & Analyzed: 04-May-2:  2.20 0.050 mg/kg 2.00 110  2.19 0.050 mg/kg 2.00 109  2.09 0.050 mg/kg 2.00 105  4.40 0.100 mg/kg 4.00 110  2.11 0.050 mg/kg 2.00 105  6.51 0.150 mg/kg 6.00 108  0.0493 mg/kg 0.0500 98.6  Prepared: 04-May-22 Analyzed: 04-May-22 Analyzed: 04-May-22 Analyzed: 05-May-23 Analy	ND 0.050 mg/kg ND 0.150 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg 0.0500 101 69.9-140  Prepared & Analyzed: 04-May-22  2.20 0.050 mg/kg 2.00 110 83.4-122 2.19 0.050 mg/kg 2.00 109 84.2-126 2.09 0.050 mg/kg 2.00 105 84.2-121 4.40 0.100 mg/kg 4.00 110 89.9-126 2.11 0.050 mg/kg 2.00 105 84.3-123 6.51 0.150 mg/kg 6.00 108 89.1-124  0.0493 mg/kg 0.0500 98.6 69.9-140  Prepared: 04-May-22 Analyzed: 05-May-22  2.01 0.050 mg/kg 2.00 101 83.4-122 2.00 0.050 mg/kg 2.00 99.8 84.2-126 1.92 0.050 mg/kg 2.00 99.8 84.2-126 1.92 0.050 mg/kg 2.00 99.8 84.2-126 1.94 0.050 mg/kg 2.00 95.8 84.2-121 4.04 0.100 mg/kg 4.00 101 89.9-126 1.94 0.050 mg/kg 2.00 97.0 84.3-123 5.98 0.150 mg/kg 6.00 99.6 89.1-124	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  O.0506 mg/kg 0.0500 101 69.9-140  Prepared & Analyzed: 04-May-22  2.20 0.050 mg/kg 2.00 110 83.4-122 2.19 0.050 mg/kg 2.00 109 84.2-126 2.09 0.050 mg/kg 2.00 105 84.2-121 4.40 0.100 mg/kg 4.00 110 89.9-126 2.11 0.050 mg/kg 2.00 105 84.3-123 6.51 0.150 mg/kg 6.00 108 89.1-124  O.0493 mg/kg 0.0500 98.6 69.9-140  Prepared: 04-May-22 Analyzed: 05-May-22  2.01 0.050 mg/kg 2.00 101 83.4-122 8.74 2.00 0.050 mg/kg 2.00 99.8 84.2-121 8.86 4.04 0.100 mg/kg 4.00 101 89.9-126 8.94 1.92 0.050 mg/kg 2.00 95.8 84.2-121 8.86 4.04 0.100 mg/kg 4.00 101 89.9-126 8.55 1.94 0.050 mg/kg 2.00 97.0 84.3-123 8.31 5.98 0.150 mg/kg 6.00 99.6 89.1-124 8.47	ND 0.050 mg/kg ND 0.050 mg/kg ND 0.150 mg/kg ND 0.300 mg/kg ND 0.300 mg/kg  0.0506 mg/kg 0.0500 101 69.9-140  Prepared & Analyzed: 04-May-22  2.20 0.050 mg/kg 2.00 110 83.4-122 2.19 0.050 mg/kg 2.00 109 84.2-126 2.09 0.050 mg/kg 2.00 105 84.2-121 4.40 0.100 mg/kg 4.00 110 89.9-126 2.11 0.050 mg/kg 2.00 105 84.3-123 6.51 0.150 mg/kg 6.00 108 89.1-124  0.0493 mg/kg 0.0500 98.6 69.9-140  Prepared: 04-May-22 Analyzed: 05-May-22  2.01 0.050 mg/kg 2.00 101 83.4-122 8.74 12.6 2.00 0.050 mg/kg 2.00 99.9 84.2-126 8.94 13.3 1.92 0.050 mg/kg 2.00 99.9 84.2-121 8.86 13.9 4.04 0.100 mg/kg 4.00 101 89.9-126 8.55 13.6 1.94 0.050 mg/kg 2.00 97.0 84.3-123 8.31 14.1 5.98 0.150 mg/kg 6.00 99.6 89.1-124 8.47 13.4

Blank (2050501-BLK1)			Prepared & Analyzed: 05-May-22
Benzene	ND	0.050	mg/kg
Toluene	ND	0.050	mg/kg
Ethylbenzene	ND	0.050	mg/kg
Total Xylenes	ND	0.150	mg/kg

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Celey D. Keene, Lab Director/Quality Manager



%REC

Limits

RPD

#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Spike

Level

Source

Result

%REC

Reported: 10-May-22 09:36

RPD

Limit

Notes

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Units

Reporting

Limit

Result

Blank (2050501-BLK1)				Prepared & Analy	zed: 05-May-2	2
Total BTEX	ND	0.300	mg/kg			
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500	102	69.9-140
LCS (2050501-BS1)				Prepared & Analy	zed: 05-May-2	2
Benzene	2.09	0.050	mg/kg	2.00	105	83.4-122
Toluene	2.07	0.050	mg/kg	2.00	104	84.2-126
Ethylbenzene	1.99	0.050	mg/kg	2.00	99.4	84.2-121
m,p-Xylene	4.18	0.100	mg/kg	4.00	105	89.9-126
o-Xylene	2.03	0.050	mg/kg	2.00	102	84.3-123
Total Xylenes	6.22	0.150	mg/kg	6.00	104	89.1-124
Surrogate: 4-Bromofluorobenzene (PID)	0.0498		mg/kg	0.0500	99.7	69.9-140

· g · · · · y · · · · · · · · · · ·			88						
LCS Dup (2050501-BSD1)				Prepared & Ana	lyzed: 05-May-22	2			
Benzene	2.07	0.050	mg/kg	2.00	104	83.4-122	1.04	12.6	
Toluene	2.06	0.050	mg/kg	2.00	103	84.2-126	0.417	13.3	
Ethylbenzene	1.98	0.050	mg/kg	2.00	98.9	84.2-121	0.508	13.9	
m,p-Xylene	4.17	0.100	mg/kg	4.00	104	89.9-126	0.215	13.6	
o-Xylene	2.01	0.050	mg/kg	2.00	101	84.3-123	1.08	14.1	
Total Xylenes	6.19	0.150	mg/kg	6.00	103	89.1-124	0.499	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0495		mg/kg	0.0500	98.9	69.9-140			

#### Batch 2050502 - Volatiles

Analyte

Blank (2050502-BLK1)				Prepared & Analy	yzed: 05-May-22	2	
Benzene	ND	0.050	mg/kg				
Toluene	ND	0.050	mg/kg				
Ethylbenzene	ND	0.050	mg/kg				
Total Xylenes	ND	0.150	mg/kg				
Total BTEX	ND	0.300	mg/kg				
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500	103	69.9-140	

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Celey D. Keene, Lab Director/Quality Manager



%REC

#### Analytical Results For:

ADVANCE ENERGY PARTNERS
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TY, 77077

Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

RPD

HOUSTON TX, 77077 Project Manager: A

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

Spike

Source

#### Volatile Organic Compounds by EPA Method 8021 - Quality Control

#### **Cardinal Laboratories**

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2050502 - Volatiles										
LCS (2050502-BS1)				Prepared &	Analyzed:	05-May-22	2			
Benzene	2.12	0.050	mg/kg	2.00		106	83.4-122			
Toluene	2.10	0.050	mg/kg	2.00		105	84.2-126			
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	84.2-121			
m,p-Xylene	4.34	0.100	mg/kg	4.00		109	89.9-126			
o-Xylene	2.07	0.050	mg/kg	2.00		103	84.3-123			
Total Xylenes	6.41	0.150	mg/kg	6.00		107	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0499		mg/kg	0.0500		99.9	69.9-140			
LCS Dup (2050502-BSD1)				Prepared &	Analyzed:	05-May-22	2			
Benzene	2.18	0.050	mg/kg	2.00		109	83.4-122	2.81	12.6	
Toluene	2.14	0.050	mg/kg	2.00		107	84.2-126	2.00	13.3	
Ethylbenzene	2.13	0.050	mg/kg	2.00		106	84.2-121	3.25	13.9	
m,p-Xylene	4.48	0.100	mg/kg	4.00		112	89.9-126	3.05	13.6	
o-Xylene	2.11	0.050	mg/kg	2.00		105	84.3-123	1.92	14.1	
Total Xylenes	6.59	0.150	mg/kg	6.00		110	89.1-124	2.68	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0500		mg/kg	0.0500		99.9	69.9-140			

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



%REC

#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS

Spike

Project Number: DAGGER LAKE TO MERCHANT LINI

Source

Reported: 10-May-22 09:36

RPD

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

Reporting

		reporting		Spike	Source		FOLLEC		111 2	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2050408 - General Prep - Organics										
Blank (2050408-BLK1)				Prepared &	և Analyzed:	04-May-2	2			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	58.4		mg/kg	50.0		117	66.9-136			
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	59.5-142			
LCS (2050408-BS1)				Prepared &	k Analyzed:	04-May-2	2			
GRO C6-C10	195	10.0	mg/kg	200		97.4	78.5-128			
DRO >C10-C28	195	10.0	mg/kg	200		97.4	75.8-135			
Total TPH C6-C28	390	10.0	mg/kg	400		97.4	81.5-127			
Surrogate: 1-Chlorooctane	61.5		mg/kg	50.0		123	66.9-136			
Surrogate: 1-Chlorooctadecane	65.0		mg/kg	50.0		130	59.5-142			
LCS Dup (2050408-BSD1)				Prepared &	analyzed:	04-May-2	2			
GRO C6-C10	184	10.0	mg/kg	200		91.9	78.5-128	5.76	21.4	
DRO >C10-C28	186	10.0	mg/kg	200		93.0	75.8-135	4.66	17.9	
Total TPH C6-C28	370	10.0	mg/kg	400		92.5	81.5-127	5.21	17.6	
Surrogate: 1-Chlorooctane	65.1		mg/kg	50.0		130	66.9-136			
Surrogate: 1-Chlorooctadecane	65.5		mg/kg	50.0		131	59.5-142			
Batch 2050418 - General Prep - Organics										
Blank (2050418-BLK1)				Prepared: (	04-May-22	Analyzed:	06-May-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							

#### Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

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mg/kg

mg/kg

50.0

50.0

954

99.2

66.9-136

59.5-142

47.7

49.6

Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077 Project: 01082020-0130-PRODOPS
Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2050418 - General Prep - Organics										
LCS (2050418-BS1)				Prepared: (	04-May-22	Analyzed:	05-May-22			
GRO C6-C10	214	10.0	mg/kg	200		107	78.5-128			
DRO >C10-C28	205	10.0	mg/kg	200		103	75.8-135			
Total TPH C6-C28	419	10.0	mg/kg	400		105	81.5-127			
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0		110	66.9-136			
Surrogate: 1-Chlorooctadecane	55.7		mg/kg	50.0		111	59.5-142			
LCS Dup (2050418-BSD1)				Prepared: (	04-May-22	Analyzed:	06-May-22			
GRO C6-C10	216	10.0	mg/kg	200		108	78.5-128	0.902	21.4	
DRO >C10-C28	206	10.0	mg/kg	200		103	75.8-135	0.239	17.9	
Total TPH C6-C28	422	10.0	mg/kg	400		105	81.5-127	0.578	17.6	
Surrogate: 1-Chlorooctane	51.2		mg/kg	50.0		102	66.9-136			
Surrogate: 1-Chlorooctadecane	55.2		mg/kg	50.0		110	59.5-142			
Batch 2050443 - General Prep - Organics										
Blank (2050443-BLK1)				Prepared: (	04-May-22	Analyzed:	05-May-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	41.9		mg/kg	50.0		83.8	66.9-136			
Surrogate: 1-Chlorooctadecane	43.0		mg/kg	50.0		86.1	59.5-142			
LCS (2050443-BS1)				Prepared: (	04-May-22	Analyzed:	05-May-22			
GRO C6-C10	196	10.0	mg/kg	200		98.1	78.5-128			
DRO >C10-C28	209	10.0	mg/kg	200		105	75.8-135			
Total TPH C6-C28	405	10.0	mg/kg	400		101	81.5-127			
Surrogate: 1-Chlorooctane	46.1		mg/kg	50.0		92.3	66.9-136			

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Celey D. Keene, Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS 11490 WESTHEIMER ROAD, STE. 950

Project: 01082020-0130-PRODOPS Project Number: DAGGER LAKE TO MERCHANT LINI

Reported: 10-May-22 09:36

HOUSTON TX, 77077

Project Manager: ANDREW PARKER Fax To: (832) 672-4609

#### Petroleum Hydrocarbons by GC FID - Quality Control

#### **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2050443 - General Prep - Organics										
LCS Dup (2050443-BSD1)				Prepared: (	)4-May-22	Analyzed: (	05-May-22			
GRO C6-C10	199	10.0	mg/kg	200		99.5	78.5-128	1.43	21.4	
DRO >C10-C28	208	10.0	mg/kg	200		104	75.8-135	0.577	17.9	
Total TPH C6-C28	407	10.0	mg/kg	400		102	81.5-127	0.399	17.6	
Surrogate: 1-Chlorooctane	47.6		mg/kg	50.0		95.2	66.9-136			
Surrogate: 1-Chlorooctadecane	47.4		mg/kg	50.0		94.8	59.5-142			
Batch 2050444 - General Prep - Organics										
Blank (2050444-BLK1)				Prepared: (	)4-May-22	Analyzed: (	05-May-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	39.4		mg/kg	50.0		78.8	66.9-136			
Surrogate: 1-Chlorooctadecane	40.0		mg/kg	50.0		79.9	59.5-142			
LCS (2050444-BS1)				Prepared: (	)4-May-22	Analyzed: (	05-May-22			
GRO C6-C10	198	10.0	mg/kg	200		99.2	78.5-128			
DRO >C10-C28	209	10.0	mg/kg	200		104	75.8-135			
Total TPH C6-C28	407	10.0	mg/kg	400		102	81.5-127			
Surrogate: 1-Chlorooctane	47.1		mg/kg	50.0		94.1	66.9-136			
Surrogate: 1-Chlorooctadecane	48.8		mg/kg	50.0		97.6	59.5-142			
LCS Dup (2050444-BSD1)				Prepared: (	)4-May-22	Analyzed: (	05-May-22			
GRO C6-C10	212	10.0	mg/kg	200		106	78.5-128	6.39	21.4	
DRO >C10-C28	202	10.0	mg/kg	200		101	75.8-135	3.12	17.9	
Total TPH C6-C28	414	10.0	mg/kg	400		103	81.5-127	1.63	17.6	
Surrogate: 1-Chlorooctane	46.2		mg/kg	50.0		92.5	66.9-136			
Surrogate: 1-Chlorooctadecane	46.3		mg/kg	50.0		92.6	59.5-142			

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Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keine



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Advance Energy									BI	LL TO					ANALYSIS REQUEST
Project Manage								P.	O. #:	0108	2020-0130	-Prodops			1	
Address: Or	n-File							C	ompa	any:	AEP					
City:		State:	Zip	:				A	tn:	5	Send to	- 1				
Phone #:		Fax #:						A	ddres	ss: a	parker@					
Project #:		Project Owner	:					C	ty:	an	neredev.c	om		_		
Project Name:	01082020-0130-	Prodops						Si	ate:		Zip:			80		
Project Location	n: Dagger Lake to	Merchant Li	ne	Tes	t			P	none	#:				Ā		
Sampler Name:	Jacob Saenz							F	ax #:					Ö	BTEX	
FOR LAB USE ONLY						MAT	RIX	1	PRI	ESERV	. SAMPLI	NG		DR	BI	
Lab I.D. #221843	Sample I		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE OTHER	ACID/BASE:	ICE / COOL	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,	
1	5-01	4.7 FT	1	1		X				X	4/21/22	12:3/19	Х	X	Х	
2	15-03 N	4.7F1	1	1		1	4	_		1	1	12:40/	1	1	1	
3	13-035	4.751	11	Ш			4	4	┡		1	12:3000	11	1	1	
4	15-04N	4.751	11	Ш			+	+	-	1	-	Ipm	$\vdash$	1	H	
5	13-045	4.751	Н	H	H	-	-	+	$\vdash$	1		1:20pm	1	1	+	
6	B-95 B-06	4.787	H	Н	+		+	+	+	1	1	1:30 pm	H	+	1	
	B-07N	3FT	H	1		-	+	+	1	+	++	THOPA	1	1	1	
9	b-075	3FT	11	+			+	+		1		1:30/11	1)	1.1,	11	
10	B-05 N	4-5P1	V	V		1			1	1	V	200	V	V	V	

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Relinquished By:	Date: 2-22	Received By:	MAIL	Phone Result: Fax Result:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
3 ACOB SHENZ	Time;	Jaunras	ldassen	REMARKS:		/	Jush 24hR - 1-10
Relinquished By:	Date:	Received By:			0	1 10	7434
	Time:				1-	6	Bush 2 day - 11-27
Delivered By: (Circle One)	¿ ) C-0	.5° Sample Condition	CHECKED BY: (Initials)		1		0 1.1 =
Sampler - UPS - Bus - Other:	3.6c #	1/3 Pres Pres	VO.				T. 5/4/22



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Advance Energ									BI	LL TO					ANALYS	S REOI	UEST		
Project Manage	er: Andrew Parker	r						P.	0. #:	0108	2020-013	0-Prodops	I			T	T	1		_
Address: 0	n-File										AEP		1							
City:		State:	Zij	o:					tn:		send to		1	1			1 1		1 1	
Phone #:		Fax #:						Ac	dres		parker@		1					1 1		
Project #:		Project Own	er:					Cit			neredev.		1				1 1			
Project Name:	01082020-0130	-Prodops						Sta	ate:		Zip:		1	0						
Project Locatio	n: Dagger Lake t	o Merchant L	ine	Tes	st			Ph	one i	<b>#</b> :			1	AR.					1 1	
Sampler Name:	Jacob Saenz							Fa	x #:				1	Ŧ	×					
FOR LAB USE ONLY			Τ.	Г		MAT	RIX		PRES	SERV.	SAMPL	ING	1	1 ×	BTEX					
Lab I.D. H221843	Sample I		(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,					
17	b-985	4.51-1	14	1		X	1				4/27/20	9am	Х	Х	X					
10	1-09W	4.751	$\mathbb{H}$	Н	-	-1	1	Н			1	9:15m	1	1	1					
13	B-10N	4.7FF 3.SFT	H	Н	+		4	Н				9:25-2	Ш							
17	13-105	3.5FT	#	Н	+	+	+	$\vdash$		-		9:35m	Н							
1/2	B-11	3.5FT	H	Н	+	+++	+	Н		+	$\vdash$	4:45m	Н		11					
15	B-12N	4-755	11	Н	+	+	+		-1	+	-	100 lon	Н	-	++	-		-		
18	B-125	4.74	#	Н	+	1	+		-	+	-	10:2500	-	-	1					
The second secon	B-13C	4.785	11				+		1	+		10:35un							1	_
	B-13E	SFT	W	V		V	+		V	/	N	10.4500	V	1	V			-	-	_

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Relinquished By:	Date:	Received By:	based upon any of the above stated re	Phone Result:	☐ Yes	□ No	Add'l Phone #:
JACOBSAENZ	5-3-22 Time:	/human	1101 1/	Fax Result:	☐ Yes	□ No	Add'l Fax #:
	1600	Juliara a	Laaken	REMARKS:			0 1.
Relinquished By:	Date:	Received By:					2 () 15/1
	Time:					0.	t bu
Delivered By: (Circle One)	111000	Sample Conditio	n CHECKED BY:			1,	2° 11/22
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)			1	3 4
damplet - 073 - Bus - Other:	3.6c #	4/3 Yes Yes	40.				

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

CARDINAL
Laboratories

Company Nam	Advance Ene	ergy Partners								B	ILL TO					ANALYSI	REQUE	ST	
Project Manage	er: Andrew Par	ker						P.	0. #	010	82020-013	0-Prodops							
Address: O	n-File										AEP		1						
City:		State:	Zij	o:					tn:		Send to		1						
Phone #:		Fax#:						A	ddre		parker@		1						
Project #:		Project Owne	r:						ty:		neredev.		1						
Project Name:	01082020-01	30-Prodops						1	ate:		Zip:		1	0					
Project Locatio	n: Dagger Lak	e to Merchant L	ine	Tes	st			PI	none	#:				1 H					
Sampler Name:								1	x #:					E	×				
FOR LAB USE ONLY			Т	П		MAT	RIX		PRE	SER	/. SAMPL	ING	1	N N	BTEX				
Lab I.D. H221843 21	Sampl		(G)RAB OR (C)OMF	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL		TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, 1				
21	13-13W	5F1	1	1		X				X	4/22/22	1100	X	х	X				
22	13-14E	2.5F7	11	1		1				1		1F1Sma	1						
	D-14W	2.511	Ш	Ш				L				11:2500							
24	B-16N	4.781	11	Ш			1					11:364							
25	B-165 B-17E	4.7121	11	Ш		11	-	L				11:45m							
26	13-176	2.5FT	11	Ш	4		-	L		1		1200	Ш						
21	B-17W B-18E	2.5Fi 3,5Fi	11	Н	-	1	+	H		1		12: Pgs	1	1					
	B-18W	3.5FT	H	Н	-	1	+	-				12:1500							
30	n-14	4.751	1	W	-	1	+	-	-	/		12:3000	V	1//	1				
LEASE NOTE: Liability as	nd Demages. Cardinal's liability a	and cliant's airchining ramady for a	DIV of all		a subsetti e	V			-	,		124500		-	0				

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,

Relinquished By:	Date: 27 Received By:	Phone Result:	☐ Yes ☐ No	Add'l Phone #:	
SNABGAENT-	5-5-24 Manual of 1/1/1/1/1	Fax Result:	☐ Yes ☐ No	Add'l Fax #:	\
JAUDINO! D	Times 1000 Milling 11/1/1/10/AV	REMARKS:			0 10
Relinquished By:	Date: Received By:		(	)	11.400
	Time:		0	)	1/11/22
	Time.		1.		10 5 4
Delivered By: (Circle One)	Sample Condition CHECKED BY:		,		
Sampler - UPS - Bus - Other:	Cool Intact (Initials)				
The state of the s	3.6c #13 No No				



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name	Advance Energ	y Partners								B	ILL TO					ANAL	YSIS I	REQUE	ST	
Project Manage	r: Andrew Parker	r						P	0.#	:010	82020-013	0-Prodops						$\neg$		T
Address: O	n-File										AEP		1	1						
City:		State:	Zij	<b>o</b> :					ttn:		Send to		1			1.1				
Phone #:		Fax #:						A	ddre	ss: a	parker@								1 1	1 1
Project #:		Project Owne	er:					C	ity:	aı	neredev.	com								
Project Name:	01082020-0130	-Prodops						S	ate:		Zip:			0					1 1	
Project Location	n: Dagger Lake t	o Merchant L	ine	Te	st			PI	none	#:				M.						1 1
Sampler Name:	Jacob Saenz							Fa	x #:					Ŧ	X					
FOR LAB USE ONLY			T.	Т		MAT	RIX		PR	ESER	V. SAMPL	ING		N N	BTEX				1 1	1 1
Lab I.D.	Sample		(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	OIL	OTHER:	ACID/BASE:	ICE / COOL	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,					
31	B- DONE	1.5FT 1.5FT	6	1		X				Х	4/27/22	Ipm	Х	х	Х					
34	B-20NE B-20NW B-20 SE	1:311	11	Ш		1				1		1:15/1	1	1						
22	B-20 SE	1.547	$\mathbb{H}$	Ш	-		4	+	Ш			1:3000	1							
25	B-205W	1.SFT	11	Н			-	1		-	V	1:45pm	Ш		$\Box$					
22	1-211	1.5PT 4Fi	11	Н	-	$\perp$	+	+		1	4/24/02	1000	Н	1	$\perp$					
36	B-21C	455	H	Н	-		+	+		-	1	10:10m					-			
24	B-21N	457	11	$\mathbb{H}$	-	-	+	+		1		10:25-1	-							
29	B-215 B-22C	1. SAT	+	Н	-	-	+	+		+	++-	10-3500	-				-	-		
40	B-22E	115 7	11/	.1/	-	1	-	+		1	1	Ilm	11	1	V		_	-		

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Relinquished By: SAEM2	5-5-64	Phone Result: Fax Result: REMARKS:	☐ Yes	□ No	Add'l Phone #: Add'l Fax #:
Relinquished By:	Date: Received By:		6	1.4	Rush 1229.
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	4.1 c C-0.5 c Sample Condition CHECKED BY:  (Initials)  3.6 #113 No No		1		



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Nam	Advance Energy Fal	rtners								BI	LL TO					AN	ALYSI	S RE	QUEST			_
Project Manage	er: Andrew Parker							P.0	0. #:	0108	2020-013	0-Prodops					T					Г
Address: 0	n-File										AEP		1		1							
City:		State:	Zij	):				Att			end to		1	1								
Phone #:	Fa	ax #:						Ad	dres	s: ar	parker@		1	1								
Project #:	Pr	roject Owne	r:					Cit			eredev.		1	1								
Project Name:	01082020-0130-Pro	odops						Sta	ate:		Zip:		1	0								
Project Locatio	n: Dagger Lake to M	erchant L	ine	Tes	st			Ph	one i	<b>#</b> :				KE I								
Sampler Name:	Jacob Saenz							Fa	x #:				1	E	×							
FOR LAB USE ONLY						MATE	RIX		PRE	SERV.	SAMPL	ING	1	N. N.	BTEX							
Lab I.D. HZ21843	Sample I.D.		(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	OTHER:		TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, 1							
41	B-22 W	LIST	4	1		X	1		)	(	4/24/22	11:15mm	X	х	Х							
42		1F1 125F2	11	Ш		1	4	Н		4		11:30~	1	1	1							
42	B-202	187	H	Н	-	1	+					11-45%	1	1								
94	6-204	4.75	Н	Н	-	+	+	Н		+	-	1200	$\mathbb{H}$	-			-			-		
46		4.7FT	V	W	-	1	+-			1	1	12:30m	V	V	V		-			-	$\vdash$	
17	19 0	1.11	ľ	H	-	v	+		V	4		10 20/00	-	-	-	-	-		-	-		-
				Н			+			+			-				-		-	-		-
							+												-			_
				Н			+		1						-		1	-	-	1		_

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Relinquished By:	Date: 3-77 Received By:	Phone Result:	☐ Yes	□ No	Add'l Phone #:	
SAGOS SAENZ	Time: 100 / Augusto al Mato Han	Fax Result: REMARKS:	☐ Yes	□ No	Add'l Fax #:	
Relinquished By:	Date: Received By:	,	0.5			
Delivered By: (Circle One) //	Time:	/	, ,			
Sampler - UPS - Bus - Other:	Sample Condition CHECKED BY:  (Initials)  Supplementary  Supplemen					



May 18, 2022

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: 01082020-0130-PRODOPS

Enclosed are the results of analyses for samples received by the laboratory on 05/13/22 15:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

ADVANCE ENERGY PARTNERS ANDREW PARKER 11490 WESTHEIMER ROAD, STE. 950 HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/13/2022 Sampling Date: 05/12/2022 Reported: 05/18/2022 Sampling Type: Soil

01082020-0130-PRODOPS Project Name: Sampling Condition: Cool & Intact Project Number: **DLMLT** Sample Received By: Shalyn Rodriguez

Project Location: NONE GIVEN

#### Sample ID: BF - 01 1.5 - 3.5' (H222055-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76	
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	74.8	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	76.4	% 59.5-14	2						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

ADVANCE ENERGY PARTNERS
ANDREW PARKER
11490 WESTHEIMER ROAD, STE. 950
HOUSTON TX, 77077

Fax To: (832) 672-4609

Received: 05/13/2022 Sampling Date: 05/12/2022

Reported: 05/18/2022 Sampling Type: Soil

Project Name: 01082020-0130-PRODOPS Sampling Condition: Cool & Intact
Project Number: DLMLT Sample Received By: Shalyn Rodriguez

Analyzed By: MS/

Project Location: NONE GIVEN

mg/kg

#### Sample ID: BF - 02 1.5 - 3.5' (H222055-02)

BTEX 8021B

DIEX GOZID	ıııg,	- Kg	Alldiyzo	a by. 1-15/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2022	ND	2.03	101	2.00	2.76	
Toluene*	<0.050	0.050	05/17/2022	ND	2.02	101	2.00	2.45	
Ethylbenzene*	<0.050	0.050	05/17/2022	ND	1.91	95.6	2.00	2.61	
Total Xylenes*	<0.150	0.150	05/17/2022	ND	5.98	99.6	6.00	1.51	
Total BTEX	<0.300	0.300	05/17/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/17/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2022	ND	192	96.2	200	2.18	
DRO >C10-C28*	<10.0	10.0	05/17/2022	ND	208	104	200	4.03	
EXT DRO >C28-C36	<10.0	10.0	05/17/2022	ND					
Surrogate: 1-Chlorooctane	69.7	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	71.3	% 59.5-14	2						

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#### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celeg D. Freene



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Advance Energy Partners								BILL TO ANALYSIS REQUEST								UEST		
Project Manager: Andrew Parker								P.O. #:01082020-0130-grdy								T		
Address: On-File								Company: AEP										
City: State: Zip:						A	Attn: Send to											
Phone #: Fax #:						A	Address: aparker@											
Project #: Project Owner:							c	city: ameredev.com						O+MRO)	EX			
Project #: Project Owner:  Project Name: 0 108 2020 - 0130 - p10 dop5  Project Location: DLMLT							s	State: Zip: Phone #:								1 1		
							P						1			1 1		
Sampler Name: Jacob Saenz						F	Fax #:						1 1					
FOR LAB USE ONLY				7	MAT	RIX	7	PR	ESE	RV.	SAMPL	ING		DR	BTEX			
<b>Lab I.D.</b>	Sample I.D.	(G)RAB OR (C)OM	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE,			
-	BF-01 115-3.5FT	6	1	_	X	1		L	X		5/12/22	3:00pm	X	9	9			
2	BF-02 115-3.5F-1				8				7		5/1402	3.09pm	~	X	Ø			

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Relinquished By:	Date:	Received By:	Phone Result:	☐ Yes	□ No	Add'l Phone #:
SNIM LAY-NOT	5.12.99	The diena	Fax Result:	☐ Yes	□ No	Add'l Fax #:
JAMB JAMI	Time:	2 Polky We >	REMARKS:			
Relinquished By:	Date:	Received By:				
	Time:					
Delivered By: (Circle One)	° ) C-0.	Sample Condition CHECKED BY: Cool Intact (Initials)				
Sampler - UPS - Bus - Other:	4.9%	Yes Yes No No				

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

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

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

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

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

CONDITIONS

Action 115067

#### **CONDITIONS**

Operator:	OGRID:
ADVANCE ENERGY PARTNERS HAT MESA, LLC	372417
5400 LBJ Freeway, Suite 1500	Action Number:
Dallas, TX 75240	115067
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/23/2023