

Incident ID	nCH1903862333
District RP	1RP-5350
Facility ID	
Application ID	

Closure

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

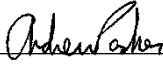
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: 11/03/2021

email: aparker@advanceenergypartners.com

Telephone: 970-570-9535

OCD Only

Received by: Robert Hamlet

Date: 3/4/2022

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

Closure Approved by: Robert Hamlet Date: 3/4/2022

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced



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

November 3, 2021

RE:

Closure Report
Incident ID: nCH1903862333
AEP #: 02062019-0900-dc
Location: AO6 501H

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

NMOCD:

Thank you for approval of the AO6 501H remediation work plan (#nCH1903862333). In response to the conditions of approval set forth in NMOCD's July 16, 2021 remediation plan approval; Advance Energy Partners (AEP) submits this closure report and respectfully asks for closure of the regulatory file.

In compliance with the conditions of approval, included is the revised depth to water determination.

Depth to Water Determination

In September/October 2021, Advance Energy initiated a depth-to-water boring program to determine whether depth-to-water is present in the upper 100-feet of the surface soil profile. Nine (9) boreholes were advanced to 105-feet below ground surface, rested for at least 72-hours, and gauged for the presence of groundwater. The nearest boring to the subject release is located 0.50-miles north. No groundwater was detected within the upper 105-feet. Plate 2 (revised) is an updated depth-to water map. The borehole is identified as MISC-402 and is logged as CP-1881 in the OSE database. The driller log is located in Appendix A.

Confirmation Soil Sampling

In compliance with the revised workplan approval, additional soil samples (HA-08 through HA-36) were collected at locations shown on Plate 10 (revised). Soil samples were collected on July 26-28, 2021; using mechanical and hand auger sampling technologies (Figure 1)

Incident ID: nCH1903862333
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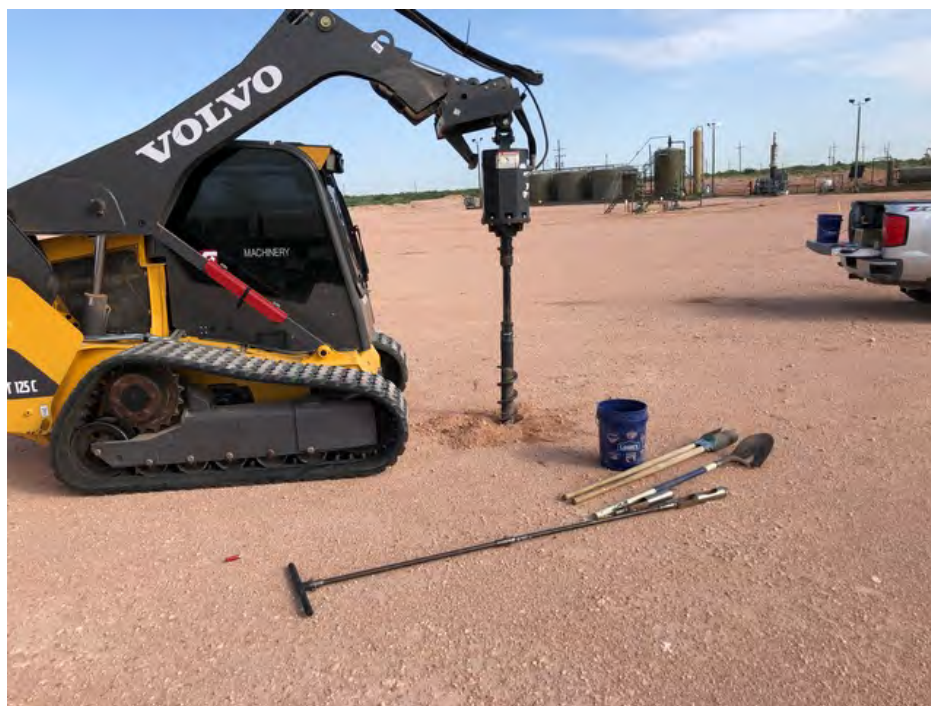


Figure 1: Soil sample auger operation at HA-22.
July 26, 2021. Lat/Long: 32.4151961, -103.6036423.

The two sample locations showing the highest chloride concentrations are HA-07 and HA-29 (Exhibit A, below) - sample locations are located near the source of the release. Chloride concentrations decreased with depth. All samples exhibited chloride and hydrocarbon concentration below Closure Criteria for areas in-use on an active production site. Furthermore, hydrocarbons concentrations remained below the most stringent Closure Criteria listed in Table 1 of 19.15.29 NMAC.

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	EC mS/cm	Chloride (PPM)	GRO+DRO (PPM)	TPH Ext. (PPM)	Benzene (PPM)	BTEX (PPM)
NMOCD Limits										
0 - 4 feet & "not in-use"						600	--	100	10	50
> 4 ft or "in-use"						20,000	1,000	2,500	10	50
HA-07	9/30/2020		0	2	4.21	4480	<20	<30	<0.05	<0.30
HA-07	9/30/2020		2	4	2.33	2880	<20	<30	<0.05	<0.30
HA-07	9/30/2020	4.5			1.83	2680	<20	<30	<0.05	<0.30
HA-29	7/27/2021		0	2	3.47	5120	<20	<30	<0.05	<0.30
HA-29	7/27/2021		2	4	1.54	1920	<20	<30	<0.05	<0.30
HA-29	7/27/2021	5			1.1	1180	<20	<30	<0.05	<0.30

Exhibit A: Two soil sample locations exhibiting the highest chloride concentrations. Chloride concentrations decreased with depth. Please refer to Table 1 for a summary of all analytical.

Table 1 is a summary of analytical results. Table 2 are the GPS coordinates for sample points. Appendix B contains the laboratory Certificate of Analysis.

11/03/2021

Incident ID: nCH1903862333
AEP #: 02062019-0900-dc

Per 19.15.29.12.C.(2) NMAC and the approved remediation workplan, no remediation was required as the release is located on an active production site in-use for oil and gas operations. Boreholes were backfilled with auger cuttings and capped with caliche to restore the surface to an active production site. When the production site is no longer in use for oil and gas operations, the surface will be remediated, restored, and reclaimed per 19.15.29.13.D.

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

Sincerely,
Advance Energy Partners Hat Mesa, LLC



Andrew Parker
Env. Scientist

Copy: Randy Black; Advance Energy Partners Hat Mesa, LLC
Braden Harris; Advance Energy Partners Hat Mesa, LLC
New Mexico State Land Office

11/03/2021

Incident ID	nCH1903862333
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Closure

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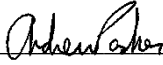
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

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

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

Printed Name: Andrew Parker

Title: Env. Scientist

Signature: 

Date: 11/03/2021

email: aparker@advanceenergypartners.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.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

Andrew Parker

From: Andrew Parker
Sent: Monday, July 19, 2021 8:01 AM
To: Enviro, OCD, EMNRD
Cc: Hamlet, Robert, EMNRD
Subject: 48 hour sampling notice Incident nCH1903862333 (AO6 501)

NMOCD,

This email is to provide NMOCD with the required 48-hour confirmation sampling notice per 19.15.29 NMAC for Incident #: nCH1903862333. Please contact me with any questions.

Location: AO 6 501H
AEP #: 02062019-0900-dc

Thank you.

Andrew Parker
Environmental Scientist
970-570-9535



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, July 16, 2021 8:39 AM
To: Andrew Parker <AParker@advanceenergypartners.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 23579

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#) nCH1903862333, with the following conditions:

- **The Revised Sampling Plan is approved with the following conditions: When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please make sure all groundwater data is included in closure report summary. Soil samples will need to meet Table 1 Closure Criteria for proven depth to water determination. Closure samples should be representative of no more than 200 ft², unless a variance has been approved. The samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH, defining the edge of the release.**

Incident ID	nCH1903862333
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Remediation Plan

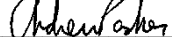
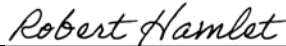
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Andrew ParkerTitle: Env. ScientistSignature: Date: February 4, 2021email: aparker@advanceenergypartners.comTelephone: 970-570-9535**OCD Only**Received by: Robert Hamlet Date: 7/16/2021☐ Approved ☒ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Date: 7/16/2021

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 23579

CONDITIONS

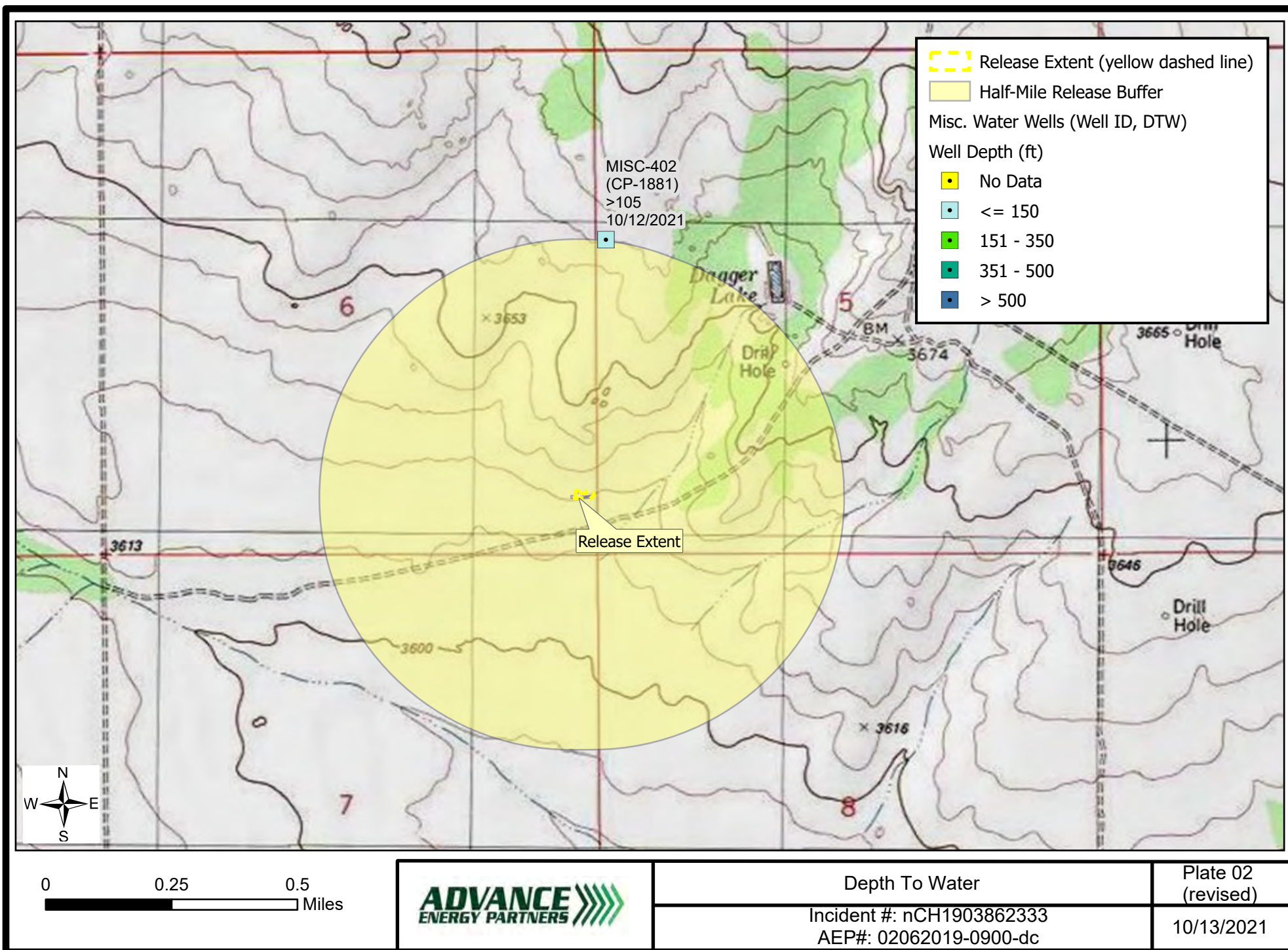
Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 23579
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

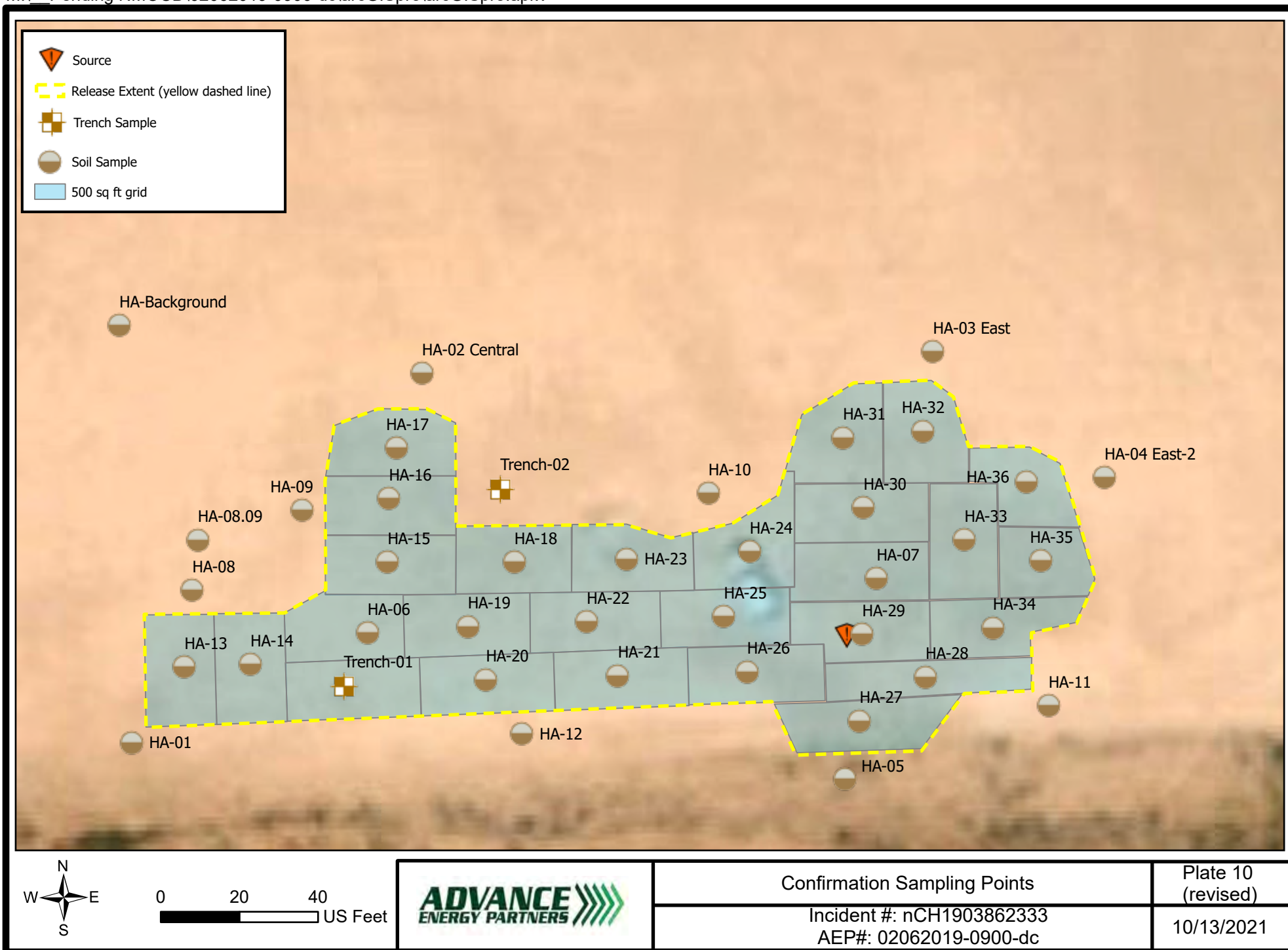
Created By	Condition	Condition Date
rhamlet	The Revised Sampling Plan is approved with the following conditions: When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided. If evidence of depth to ground water within a ½ mile radius of the site cannot be provided, impacted soils will need to meet Table 1 Closure Criteria for ground water at a depth of 50 feet or less. Please make sure all groundwater data is included in closure report summary. Soil samples will need to meet Table 1 Closure Criteria for proven depth to water determination. Closure samples should be representative of no more than 200 ft2, unless a variance has been approved. The samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Please make sure the edges/sidewalls are delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH, defining the edge of the release.	7/16/2021

Plates





M:\ Pending NMOCD\02062019-0900-dc\arcGISpro\arcGISpro.aprx



Tables



Table 1
Confirmation Sampling Results

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	EC mS/cm	Chloride (PPM)	GRO+DRO (PPM)	TPH Ext. (PPM)	Benzene (PPM)	BTEX (PPM)	Lab (Hall/Cardinal)	Lab #
NMOCD Limits												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						20,000	1,000	2,500	10	50		
Trench-01	2/24/2019		0	4		2300	<14.2	<62.2	<0.023	<0.208	HAEL	1902A41
Trench-01	2/24/2019	4.5				<60	<14.3	<61.3	<0.024	<0.217	HAEL	1902A41
Trench-02	2/24/2019		0	4		<59	<14.7	<64.7	<0.023	<0.21	HAEL	1902A41
Trench-02	2/24/2019	4.5				<60	<14.3	<62.3	<0.024	<0.215	HAEL	1902A41
HA-01	9/24/2020		0	2	0.2	48	<20	<30	<0.05	<0.30	Cardinal	H002554
HA-01	9/24/2020		2	4	0.23	144	<20	<30	<0.05	<0.30	Cardinal	H002554
HA-01	9/24/2020	4.5			0.19	64	<20	<30	<0.05	<0.30	Cardinal	H002554
HA-02 Central	9/27/2020		0	2	0.18	64	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-02 Central	9/27/2020		2	4	0.14	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-02 Central	9/27/2020	4.5			0.09	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-03 East	9/29/2020		0	2	0.19	192	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-03 East	9/29/2020		2	4	0.14	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-03 East	9/29/2020	4.5			0.11	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-04 East-2	9/29/2020		0	2	0.21	32	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-04 East-2	9/29/2020		2	4	0.11	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-04 East-2	9/29/2020	4.5			0.09	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-05	9/30/2020		0	2	0.11	32	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-05	9/30/2020		2	4	0.12	80	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-05	9/30/2020	4.5			0.11	48	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-06	9/30/2020		0	2	0.26	48	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-06	9/30/2020		2	4	0.39	112	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-06	9/30/2020	4.5			0.4	224	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-07	9/30/2020		0	2	4.21	4480	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-07	9/30/2020		2	4	2.33	2880	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-07	9/30/2020	4.5			1.83	2680	<20	<30	<0.05	<0.30	Cardinal	H002615
HA-08	7/26/2021		0	2	0.75	1200	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-08	7/26/2021		2	4	0.36	320	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-08.09	7/28/2021		0	0	0.35	448	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-08.09	7/28/2021		2	4	0.16	32	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-09	7/26/2021		0	2	0.65	816	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-09	7/26/2021		2	4	0.71	992	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-09	7/26/2021	5			0.57	624	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-10	7/26/2021		0	2	0.91	1500	<58.2	<90.7	<0.05	<0.30	Cardinal	H211977
HA-10	7/26/2021		2	4	0.21	240	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-11	7/26/2021		0	2	0.07	16	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-11	7/26/2021		2	4	0.07	<16	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-12	7/26/2021		0	2	0.09	<16	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-12	7/26/2021		2	4	0.14	<16	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-13	7/26/2021		0	2	1.1	1680	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-13	7/26/2021		2	4	0.26	128	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-14	7/26/2021		0	2	2.08	2840	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-14	7/26/2021		2	4	0.67	656	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-14	7/26/2021	5			0.16	80	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-15	7/26/2021		0	2	0.26	112	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-15	7/26/2021		2	4	0.35	288	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-16	7/26/2021		0	2	0.26	208	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-16	7/26/2021		2	4	0.35	224	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-17	7/26/2021		0	2	0.68	528	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-17	7/26/2021		2	4	0.35	208	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-18	7/26/2021		0	2	0.63	928	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-18	7/26/2021		2	4	0.16	64	<20	<30	<0.05	<0.30	Cardinal	H211977

Table 1
Confirmation Sampling Results

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	EC mS/cm	Chloride (PPM)	GRO+DRO (PPM)	TPH Ext. (PPM)	Benzene (PPM)	BTEX (PPM)	Lab (Hall/Cardinal)	Lab #
NMOCD Limits												
0 - 4 feet & "not in-use"						600	--	100	10	50		
> 4 ft or "in-use"						20,000	1,000	2,500	10	50		
HA-19	7/26/2021		0	2	0.4	272	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-19	7/26/2021		2	4	0.75	784	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-19	7/26/2021	5			0.5	576	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-20	7/26/2021		0	2	1.73	1880	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-20	7/26/2021		2	4	0.24	80	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-21	7/26/2021		0	2	0.97	1120	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-21	7/26/2021		2	4	0.26	288	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-22	7/26/2021		0	2	1.02	1550	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-22	7/26/2021		2	4	0.22	128	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-23	7/26/2021		0	2	1.27	1660	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-23	7/26/2021		2	4	0.26	80	<20	<30	<0.05	<0.30	Cardinal	H211977
HA-24	7/27/2021		0	2	1.01	1220	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-24	7/27/2021		2	4	0.18	160	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-25	7/27/2021		0	2	1.37	1660	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-25	7/27/2021		2	4	0.48	320	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-25	7/27/2021	5			0.15	32	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-26	7/27/2021		0	2	1.39	1220	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-26	7/27/2021		2	4	0.29	160	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-27	7/27/2021		0	2	0.37	96	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-27	7/27/2021		2	4	0.31	128	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-28	7/27/2021		0	2	1.15	1620	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-28	7/27/2021		2	4	0.22	128	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-29	7/27/2021		0	2	3.47	5120	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-29	7/27/2021		2	4	1.54	1920	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-29	7/27/2021	5			1.1	1180	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-30	7/27/2021		0	2	3.2	4400	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-30	7/27/2021		2	4	0.35	752	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-31	7/27/2021		0	2	1.15	704	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-31	7/27/2021		2	4	0.28	224	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-32	7/27/2021		0	2	2.54	3800	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-32	7/27/2021		2	4	0.41	288	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-32	7/27/2021	5			0.25	160	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-33	7/27/2021		0	2	1.71	2440	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-33	7/27/2021		2	4	0.24	240	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-34	7/28/2021		0	2	1.18	1470	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-34	7/28/2021		2	4	0.54	448	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-34	7/28/2021	5			0.2	144	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-35	7/28/2021		0	2	1.68	1660	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-35	7/28/2021		2	4	0.51	368	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-35	7/28/2021	5			0.28	208	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-36	7/28/2021		0	2	2.63	2480	<20	<30	<0.05	<0.30	Cardinal	H211994
HA-36	7/28/2021		2	4	0.24	320	<20	<30	<0.05	<0.30	Cardinal	H211994
Background	9/30/2020		0	2	0.11	80	<20	<30	<0.05	<0.30	Cardinal	H002615
Background	9/30/2020		2	4	0.09	<16	<20	<30	<0.05	<0.30	Cardinal	H002615
Background	9/30/2020	4.5			0.1	<16	<20	<30	<0.05	<0.30	Cardinal	H002615

Name	Longitude	Latitude
Source	-103.6034361	32.41519016
HA-01	-103.604025602269	32.4151190608241
HA-02 Central	-103.603784164852	32.4153761747496
HA-03 East	-103.603362990692	32.4153886838534
HA-04 East-2	-103.603222454199	32.415299933906
HA-05	-103.603437796539	32.4150905236577
HA-06	-103.603830594957	32.4151947879742
HA-07	-103.603410828585	32.4152306217451
HA-08	-103.603974660203	32.4152254304789
HA-08.09	-103.603969941127	32.4152605476787
HA-09	-103.603883631499	32.4152809475322
HA-10	-103.603548933324	32.4152907609415
HA-11	-103.603269870613	32.4151408981569
HA-12	-103.603703735392	32.4151235245195
HA-13	-103.603981482769	32.4151721377094
HA-14	-103.603927121162	32.4151736302578
HA-15	-103.603813591483	32.4152443847814
HA-16	-103.603812169848	32.4152886690472
HA-17	-103.603805492645	32.415323884022
HA-18	-103.60370916139	32.4152437801064
HA-19	-103.603747887327	32.4151988073344
HA-20	-103.603733267	32.4151616609085
HA-21	-103.603624552123	32.415163743102
HA-22	-103.603649821715	32.4152018548274
HA-23	-103.603616438576	32.415245050378
HA-24	-103.603515161585	32.4152498882021
HA-25	-103.603536837513	32.4152048167379
HA-26	-103.603517969834	32.4151658375539
HA-27	-103.603425537122	32.4151309530178
HA-28	-103.603370943694	32.4151613714066
HA-29	-103.603422918008	32.4151915017353
HA-30	-103.603421139585	32.4152800773258
HA-31	-103.603437796732	32.4153289861952
HA-32	-103.603371691355	32.4153331231233
HA-33	-103.603338203536	32.4152569983487
HA-34	-103.60331525483	32.4151953978869
HA-35	-103.603275448896	32.4152421714976
HA-36	-103.603286726707	32.4152973772327
HA-Background	-103.60403327518	32.4154109875209
Trench-01	-103.603850468455	32.4151572740253
Trench-02	-103.603720367843	32.4152942788348

Appendix A

Well Logs





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

10/29/2021

DII-NMOSE
1900 W 2nd Street
Roswell, NM 88201

Hand Delivered to the DII Office of the State Engineer

Re: Well Record CP-1881 Pod1

To whom it may concern:

Attached please find a well log & record and a plugging record, in duplicate, for a one (1) soil borings, CP-1881 Pod1.

If you have any questions, please contact me at 575.499.9244 or lucas@atkinseng.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Lucas Middleton".

Lucas Middleton

Enclosures: as noted above

USE DII NOV 1 2021 PM 4:43



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1 (TW-1)		WELL TAG ID NO. n/a		OSE FILE NO(S). CP-1881			
	WELL OWNER NAME(S) Advanced Energy Partners				PHONE (OPTIONAL) 832.672.4700			
	WELL OWNER MAILING ADDRESS 11490 Westheimer Rd. Suitt 950				CITY Houston	STATE TX	ZIP 77077	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 25	SECONDS 22 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	36	12 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE SE NE Sec. 06 T22S R33E								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 10/12/2021	DRILLING ENDED 10/12/2021	DEPTH OF COMPLETED WELL (FT) temporary well material		BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) n/a		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) n/a		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0	105	±6.5	Boring- HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	


FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	14	14	Sand, fine-grained, poorly graded with Caliche, Brown	Y ✓ N	
	14	19	5	Caliche, consolidated with fin-grained sand, White/Tan	Y ✓ N	
	19	24	5	Sand, fine-grained, poorly graded with Caliche, Reddish Brown	Y ✓ N	
	24	44	20	Sand, fine-grained, poorly graded with clay, Reddish Brown	Y ✓ N	
	44	64	20	Sand, fine-grained, poorly graded with clay, Brown Tan	Y ✓ N	
	64	105	41	Sand, fine-grained, poorly graded with clay, Brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Temporary well materials removed and the soil boring backfilled using drill cuttings from total depth to ten feet below ground surface, then hydrated bentonite chips from ten feet below ground surface to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Carmelo Trevino, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	Jackie D. Atkins DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/2017)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2






CP-1881_OSE_Well Record and Log-forsign

Final Audit Report

2021-10-29

Created:	2021-10-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAQ3vIH-svpKXba6sweCTSv6bY9FHI1cHt

"CP-1881_OSE_Well Record and Log-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-10-29 - 3:53:42 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-10-29 - 3:54:01 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-10-29 - 4:18:46 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-10-29 - 4:19:17 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-10-29 - 4:19:17 PM GMT

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PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1881-POD1

Well owner: Advanced Energy Partners

Phone No.: 832.672.4700

Mailing address: 11490 Westheimer Rd. Suite 950

City: Houston

State: Texas

Zip code: 77077

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
- 2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lupe Leyba
- 4) Date well plugging began: 10/14/2021 Date well plugging concluded: 10/14/2021
- 5) GPS Well Location: Latitude: 32 deg, 25 min, 22 sec
Longitude: 103 deg, 36 min, 12 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 105 ft below ground level (bgl),
by the following manner: weighted tape
- 7) Static water level measured at initiation of plugging: n/a ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 07/08/2021
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

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- 10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

<u>Depth</u> (ft bgl)	<u>Plugging Material Used</u> (include any additives used)	<u>Volume of Material Placed</u> (gallons)	<u>Theoretical Volume of Borehole/ Casing</u> (gallons)	<u>Placement Method</u> (tremie pipe, other)	<u>Comments</u> ("casing perforated first", "open annular space also plugged", etc.)
0-10'	Hydrated Bentonite	15.6 gallons	15 gallons	Augers	
10'-110'	Drill Cuttings	Approx. 151 gallons	151 gallons	Boring	

MULTIPLY	BY	AND OBTAIN
cubic feet x 7.4805	=	gallons
cubic yards x 201.97	=	gallons

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

Signature of Well Driller

10/27/2021

Date






DATE__WD-11 Plugging Record-forsign

Final Audit Report

2021-10-29

Created:	2021-10-29
By:	Lucas Middleton (lucas@atkinseng.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAIR6dClvgQcGMZKORwRcBWHfk6EYZjwn4

"DATE__WD-11 Plugging Record-forsign" History

-  Document created by Lucas Middleton (lucas@atkinseng.com)
2021-10-29 - 3:51:59 PM GMT- IP address: 69.21.248.123
-  Document emailed to Jack Atkins (jack@atkinseng.com) for signature
2021-10-29 - 3:54:13 PM GMT
-  Email viewed by Jack Atkins (jack@atkinseng.com)
2021-10-29 - 4:18:25 PM GMT- IP address: 64.90.153.232
-  Document e-signed by Jack Atkins (jack@atkinseng.com)
Signature Date: 2021-10-29 - 4:18:39 PM GMT - Time Source: server- IP address: 64.90.153.232
-  Agreement completed.
2021-10-29 - 4:18:39 PM GMT

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Adobe Sign

Appendix B

Certificate of Analysis





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

August 02, 2021

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: A 06 #501H

Enclosed are the results of analyses for samples received by the laboratory on 07/27/21 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 08 0-2' (H211977-01)

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	07/28/2021	ND	1.95	97.5	2.00	5.75	
Toluene*	<0.050	0.050	07/28/2021	ND	2.07	103	2.00	6.34	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.02	101	2.00	4.13	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.04	101	6.00	4.63	
Total BTEX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 66.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 08 2-4' (H211977-02)

BTX 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	07/28/2021	ND	1.84	92.0	2.00	2.62		
Toluene*	<0.050	0.050	07/28/2021	ND	1.99	99.6	2.00	2.21		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	1.93	96.7	2.00	2.77		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	5.78	96.4	6.00	2.57		
Total BTX	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.3 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 09 0-2' (H211977-03)

BTX 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	07/28/2021	ND	1.84	92.0	2.00	2.62		
Toluene*	<0.050	0.050	07/28/2021	ND	1.99	99.6	2.00	2.21		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	1.93	96.7	2.00	2.77		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	5.78	96.4	6.00	2.57		
Total BTX	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 09 2-4' (H211977-04)

BTX 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	07/28/2021	ND	1.84	92.0	2.00	2.62		
Toluene*	<0.050	0.050	07/28/2021	ND	1.99	99.6	2.00	2.21		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	1.93	96.7	2.00	2.77		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	5.78	96.4	6.00	2.57		
Total BTX	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.0 % 38.9-142

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 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 09 5' (H211977-05)

BTX 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	07/28/2021	ND	1.84	92.0	2.00	2.62	
Toluene*	<0.050	0.050	07/28/2021	ND	1.99	99.6	2.00	2.21	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	1.93	96.7	2.00	2.77	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	5.78	96.4	6.00	2.57	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.4 % 38.9-142

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Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 10 0-2' (H211977-06)

BTX 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	07/28/2021	ND	1.84	92.0	2.00	2.62		
Toluene*	<0.050	0.050	07/28/2021	ND	1.99	99.6	2.00	2.21		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	1.93	96.7	2.00	2.77		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	5.78	96.4	6.00	2.57		
Total BTX	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	48.2	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	32.5	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 61.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.6 % 38.9-142

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Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 10 2-4' (H211977-07)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 69.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.2 % 38.9-142

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 11 0-2' (H211977-08)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.1 % 38.9-142

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Analytical Results For:

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 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 11 2-4' (H211977-09)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 12 0-2' (H211977-10)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.3 % 38.9-142

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 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 12 2-4' (H211977-11)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 74.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 13 0-2' (H211977-12)

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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTEx	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 67.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.4 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 13 2-4' (H211977-13)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 55.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 53.7 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 14 0-2' (H211977-14)

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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTEx	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	07/29/2021	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	07/28/2021	ND	215	108	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	196	97.9	200	4.12	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 69.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.7 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 14 2-4' (H211977-15)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.9 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 14 5' (H211977-16)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833		
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483		
Total BTX	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-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	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 65.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.8 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 15 0-2' (H211977-17)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 67.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.2 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 15 2-4' (H211977-18)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 70.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.5 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 16 0-2' (H211977-19)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 67.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 16 2-4' (H211977-20)

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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTEx	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.7 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 17 0-2' (H211977-21)

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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTEx	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 64.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 57.8 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 17 2-4' (H211977-22)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 64.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 59.0 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 18 0-2' (H211977-23)

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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTEx	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 70.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.8 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 18 2-4' (H211977-24)

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	07/28/2021	ND	2.01	100	2.00	0.833		
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884		
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405		
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483		
Total BTEx	<0.300	0.300	07/28/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-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	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 68.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.3 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 19 0-2' (H211977-25)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/29/2021	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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 67.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.5 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 19 2-4' (H211977-26)

BTX 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	07/28/2021	ND	2.01	100	2.00	0.833	
Toluene*	<0.050	0.050	07/28/2021	ND	2.14	107	2.00	0.884	
Ethylbenzene*	<0.050	0.050	07/28/2021	ND	2.06	103	2.00	0.405	
Total Xylenes*	<0.150	0.150	07/28/2021	ND	6.16	103	6.00	0.483	
Total BTX	<0.300	0.300	07/28/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	07/29/2021	ND	400	100	400	3.92	

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 63.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 19 5' (H211977-27)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	07/29/2021	ND	400	100	400	3.92	

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 68.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.3 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 20 0-2' (H211977-28)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1880	16.0	07/29/2021	ND	400	100	400	3.92		

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 64.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 20 2-4' (H211977-29)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-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	07/29/2021	ND	400	100	400	3.92		

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 69.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 63.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 21 0-2' (H211977-30)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	07/29/2021	ND	400	100	400	3.92		

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 60.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 55.1 % 38.9-142

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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 21 2-4' (H211977-31)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/29/2021	ND	400	100	400	3.92	

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 62.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 57.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 22 0-2' (H211977-32)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	07/29/2021	ND	400	100	400	3.92	

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 65.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 22 2-4' (H211977-33)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/29/2021	ND	400	100	400	3.92		

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 68.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 62.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 23 0-2' (H211977-34)

BTX 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	07/29/2021	ND	1.95	97.7	2.00	3.85	
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05	
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20	
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84	
Total BTX	<0.300	0.300	07/29/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	07/29/2021	ND	400	100	400	3.92	

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	07/28/2021	ND	195	97.5	200	0.921	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	200	100	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 66.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/27/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/26/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 23 2-4' (H211977-35)

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	07/29/2021	ND	1.95	97.7	2.00	3.85		
Toluene*	<0.050	0.050	07/29/2021	ND	2.07	104	2.00	4.05		
Ethylbenzene*	<0.050	0.050	07/29/2021	ND	1.99	99.7	2.00	3.20		
Total Xylenes*	<0.150	0.150	07/29/2021	ND	6.03	100	6.00	1.84		
Total BTEx	<0.300	0.300	07/29/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-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	07/29/2021	ND	400	100	400	3.92		

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	07/28/2021	ND	187	93.4	200	1.88	
DRO >C10-C28*	<10.0	10.0	07/28/2021	ND	194	97.2	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	07/28/2021	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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		P.O. #: 02062019-0900-DC		ANALYSIS REQUEST	
Project Manager: Andrew Parker		Company: AEP					
Address: On-File		Attn: Send to					
City:		State:		Zip:			
Phone #:		Fax #:		Address: A.parker@advance			
Project #:		Project Owner:		City: energypartners.com			
Project Name: AOG #501		State:		Zip:			
Project Location: 02062019-0900-DC		Phone #:					
Sampler Name: Jacob Saenz		Fax #:					
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.		Sample I.D.		DATE		TIME	
HA11977		HA-08		0-2 FT		08:45	
1		HA-08		0-2 FT		09:00	
2		HA-08		0-2 FT		09:20	
3		HA-09		0-2 FT		09:25	
4		HA-09		0-2 FT		09:30	
5		HA-10		0-2 FT		09:45	
6		HA-10		0-2 FT		09:55	
7		HA-11		0-2 FT		10:15	
8		HA-11		0-2 FT		10:20	
9		HA-12		0-2 FT		10:30	
10		HA-12		0-2 FT		10:30	
Relinquished By: SAOB SAENL		Date: 7-27-21		Received By: Quiana Delgado		Phone Result: Yes No	
Relinquished By: SAOB SAENL		Date: 7-27-21		Received By: Quiana Delgado		Fax Result: Yes No	
Delivered By: (Circle One)		Sample Condition		CHECKED BY: (Initials)			
Sampler - UPS - Bus - Other: 2.9.2 #113		Cool Intact Yes No		Y.S.			

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



ANALYSIS REQUEST

FOR LAB USE ONLY

FOR LAB USE ONLY		Sample I.D.		Matrix		Preserv		Sampling		Chloride		TPH (GRO+DE)		Benzene, BT		
Lab I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME		
HA1977	HA-12	Q-4FT	6			X				X			7/24/01	10:35	X	X
12	HA-13	Q-2FT	1											10:55	X	X
13	HA-13	Q-4FT	1											11:00		
14	HA-14	Q-2FT	1											11:20		
15	HA-14	Q-4FT	1											11:25		
16	HA-14	5FT	1											11:30		
17	HA-15	Q-2FT	1											11:40		
18	HA-15	Q-4FT	1											11:45		
19	HA-16	Q-2FT	1											11:55		
20	HA-16	Q-4FT	1											12:15	X	X

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Relinquished By:		Date: 7-27-21		Received By:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
SACAB STEIN 2		Time: 1330		[Signature]		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Received By:		REMARKS:			
		Time:							
Delivered By: (Circle One)		Sample Condition		CHECKED BY:					
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		(Initials)					
292 #113		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		AD					

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



ANALYSIS REQUEST

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

August 02, 2021

ANDREW PARKER

ADVANCE ENERGY PARTNERS

11490 WESTHEIMER ROAD, STE. 950

HOUSTON, TX 77077

RE: A 06 #501H

Enclosed are the results of analyses for samples received by the laboratory on 07/29/21 8:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 24 0-2' (H211994-01)

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	07/30/2021	ND	2.05	102	2.00	2.46		
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57		
Total BTEX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 53.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 48.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 24 2-4' (H211994-02)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46		
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 56.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 51.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 25 0-2' (H211994-03)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46		
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 61.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 56.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 25 2-4' (H211994-04)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46	
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 56.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 52.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 25 5' (H211994-05)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46	
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 54.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 50.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 26 0-2' (H211994-06)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46		
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 57.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 51.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 26 2-4' (H211994-07)

BTX 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	07/30/2021	ND	2.05	102	2.00	2.46	
Toluene*	<0.050	0.050	07/30/2021	ND	2.14	107	2.00	3.46	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	3.15	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.17	103	6.00	1.57	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	201	101	200	1.86	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	197	98.7	200	2.27	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 27 0-2' (H211994-08)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.8 % 38.9-142

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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 27 2-4' (H211994-09)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.2 % 38.9-142

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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 28 0-2' (H211994-10)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1620	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.6 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 28 2-4' (H211994-11)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 67.9 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 29 0-2' (H211994-12)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 29 2-4' (H211994-13)

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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTEx	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 82.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.9 % 38.9-142

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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 29 5' (H211994-14)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1180	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 81.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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Analytical Results For:

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 ANDREW PARKER
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 30 0-2' (H211994-15)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 72.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.4 % 38.9-142

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Analytical Results For:

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 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 30 2-4' (H211994-16)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.2 % 38.9-142

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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 31 0-2' (H211994-17)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.3 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
 11490 WESTHEIMER ROAD, STE. 950
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 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 31 2-4' (H211994-18)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 32 0-2' (H211994-19)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3800	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 74.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 32 2-4' (H211994-20)

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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTEx	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 81.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.8 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 32 5' (H211994-21)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 79.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 33 0-2' (H211994-22)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 78.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.6 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 11490 WESTHEIMER ROAD, STE. 950
 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 33 2-4' (H211994-23)

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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTEx	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 34 0-2' (H211994-24)

BTX 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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 34 2-4' (H211994-25)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.9 % 38.9-142

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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: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 34 5' (H211994-26)

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	07/30/2021	ND	1.94	96.9	2.00	3.71		
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39		
Total BTEx	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 79.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.9 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 35 0-2' (H211994-27)

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	07/30/2021	ND	1.94	96.9	2.00	3.71	
Toluene*	<0.050	0.050	07/30/2021	ND	2.07	104	2.00	4.49	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.02	101	2.00	4.00	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.08	101	6.00	3.39	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1660	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	209	105	200	2.55	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	204	102	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 76.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.1 % 38.9-142

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 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 35 2-4' (H211994-28)

BTX 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	07/30/2021	ND	1.97	98.6	2.00	0.862	
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 89.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.6 % 38.9-142

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Analytical Results For:

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 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 35 5' (H211994-29)

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	07/30/2021	ND	1.97	98.6	2.00	0.862	
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.5 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 36 0-2' (H211994-30)

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	07/30/2021	ND	1.97	98.6	2.00	0.862	
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699	
Total BTEx	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.8 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
 ANDREW PARKER
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 36 2-4' (H211994-31)

BTX 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	07/30/2021	ND	1.97	98.6	2.00	0.862	
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.4 % 38.9-142

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Analytical Results For:

ADVANCE ENERGY PARTNERS
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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 08.09 0-2' (H211994-32)

BTX 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	07/30/2021	ND	1.97	98.6	2.00	0.862		
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02		
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03		
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699		
Total BTX	<0.300	0.300	07/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/30/2021	ND	416	104	400	3.92		

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.6 % 38.9-142

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Analytical Results For:

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 HOUSTON TX, 77077
 Fax To: (832) 672-4609

Received: 07/29/2021
 Reported: 08/02/2021
 Project Name: A 06 #501H
 Project Number: 02062019-0900-DC
 Project Location: NOT GIVEN

Sampling Date: 07/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: HA - 08.09 2-4' (H211994-33)

BTX 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	07/30/2021	ND	1.97	98.6	2.00	0.862	
Toluene*	<0.050	0.050	07/30/2021	ND	2.12	106	2.00	1.02	
Ethylbenzene*	<0.050	0.050	07/30/2021	ND	2.06	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	07/30/2021	ND	6.14	102	6.00	0.699	
Total BTX	<0.300	0.300	07/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/30/2021	ND	416	104	400	3.92	

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	07/30/2021	ND	223	112	200	1.77	
DRO >C10-C28*	<10.0	10.0	07/30/2021	ND	203	101	200	2.28	
EXT DRO >C28-C36	<10.0	10.0	07/30/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Advance Energy Partners		BILL TO		P.O. #: 02062019-0600-DC		ANALYSIS REQUEST											
Project Manager: Andrew Parker																	
Address: On-File		City: _____ State: _____ Zip: _____		Company: AEP													
Phone #: _____ Fax #: _____		Attn: Send to		Address: A.parker@advance													
Project #: _____ Project Owner: _____		City: energypartners.com		State: _____ Zip: _____													
Project Location: 02062019-0900-DC		Phone #: _____ Fax #: _____															
Sampler Name: Jacob Saenz																	
FOR LAB USE ONLY																	
Lab I.D. Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME		CHLORIDE		TPH (GRO+DRO+MRO)		BENZENE, BTEX			
HA11994		11 HA-28 2-4FT 5 1		X		X		7/27/21 13:55		X		X		X			
12 HA-29 0-2FT		13 HA-29 2-4FT		14 HA-29 5FT		15 HA-30 0-2FT		16 HA-30 2-4FT		17 HA-31 0-2FT		18 HA-31 2-4FT		19 HA-32 0-2FT		20 HA-32 2-4FT	
14 HA-29 5FT		15 HA-30 0-2FT		16 HA-30 2-4FT		17 HA-31 0-2FT		18 HA-31 2-4FT		19 HA-32 0-2FT		20 HA-32 2-4FT		21 HA-33 0-2FT		22 HA-33 2-4FT	
16 HA-30 2-4FT		17 HA-31 0-2FT		18 HA-31 2-4FT		19 HA-32 0-2FT		20 HA-32 2-4FT		21 HA-33 0-2FT		22 HA-33 2-4FT		23 HA-34 0-2FT		24 HA-34 2-4FT	
18 HA-31 2-4FT		19 HA-32 0-2FT		20 HA-32 2-4FT		21 HA-33 0-2FT		22 HA-33 2-4FT		23 HA-34 0-2FT		24 HA-34 2-4FT		25 HA-35 0-2FT		26 HA-35 2-4FT	
20 HA-32 2-4FT		21 HA-33 0-2FT		22 HA-33 2-4FT		23 HA-34 0-2FT		24 HA-34 2-4FT		25 HA-35 0-2FT		26 HA-35 2-4FT		27 HA-36 0-2FT		28 HA-36 2-4FT	

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Relinquished By: _____ Date: **7-29-21** Received By: **Monica Delgado**

Relinquished By: _____ Date: **0810** Received By: _____

Time: _____

Delivered By: (Circle One) **Sample Condition** ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

Sampler - UPS - Bus - Other: **S.2c #113** ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

CHECKED BY: (Initials) **YO**

Phone Result: ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No

REMARKS: _____



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Advance Energy Partners
Project Manager: Andrew Parker
Address: On-File
City: State: Zip:
Phone #: Fax #:
Project #: Project Owner:
Project Name: A06 501H
Project Location: 02062019-0900-DC
Sampler Name: Jacob Saenz

BILL TO
P.O. #: 02062019-0900-DC
Company: AEP
Attn: Send to
Address: A.parker@advance
City: energypartners.com
State: Zip:
Phone #: Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CHLORIDE	TPH (GRO+DRO+MRO)	BENZENE, BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
HA-32	5FT													
HA-33	0-2FT													
HA-34	2-4FT													
HA-35	0-2FT													
HA-36	2-4FT													
HA-37	5FT													
HA-38	0-2FT													
HA-39	2-4FT													
HA-40	5FT													
HA-41	0-2FT													

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Relinquished By: SACOB SAENZ
Date: 7-29-21
Time: 0810
Received By: JAVIERA DELABAY
Date: 7-29-21
Time: 0810

Relinquished By: _____
Date: _____
Time: _____

Delivered By: (Circle One) **Sample Condition** **CHECKED BY:**
 Sampler - UPS - Bus - Other: S.22 #113 ☒ Cool ☐ Intact ☐ Yes ☐ No ☐ Yes ☐ No (Initials) Y.S.

REMARKS:

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 59910

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 59910
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NCH1903862333 AO 6 501H, thank you. This closure is approved.	3/4/2022