

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	nAPP2136430670
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: Advance Energy Partners Hat Mesa LLC	OGRID: 372417
Contact Name: Randy Black	Contact Telephone: 832-672-4700
Contact email: rblack@advanceenergypartners.com	Incident # (assigned by OCD) nAPP2136430670
Contact mailing address: 11490 Westheimer Rd. Suite 950. Houston, TX 77077	

### Location of Release Source

Latitude 32.449928 \_\_\_\_\_ Longitude -103.60744 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dagger State SWD #001	Site Type Salt Water Disposal well
Date Release Discovered 12/29/2021 @ 12:15 pm	API# (if applicable) 30-025-45815

Unit Letter	Section	Township	Range	County
H	30	21S	33E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 9.6 bbls	Volume Recovered (bbls) 1 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

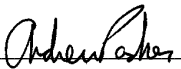
Corroded 1/2 inch valve failure on Train 2 Discharge line at the wellhead. On the crown from the injection line.

Incident ID	nAPP2136430670
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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?          
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?          	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Andrew Parker</u>	Title: <u>Env. Scientist</u>
Signature: <u></u>	Date: <u>12/30/2021</u>
email: <u>aparker@advanceenergypartners.com</u>	Telephone: <u>970-570-9535</u>
<b><u>OCD Only</u></b>	
Received by: <u>Ramona Marcus</u>	Date: <u>2/13/2022</u>

Incident ID	nAPP2136430670
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## 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.

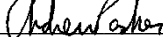
**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ 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: March 30, 2022

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: 05/04/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

**From:** [Andrew Parker](#)  
**To:** [Enviro, OCD, EMNRD](#)  
**Subject:** 48 hour sampling notice nAPP2136430670 at the Dagger State SWD #1  
**Date:** Tuesday, March 8, 2022 8:35:00 AM

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NMOCD,

Please accept this email as the 48 hour sampling notification for Incident nAPP2136430670 at the Dagger State SWD #1. AEP #: 20211229-1215-water. The characterization sampling results may be used as confirmation sampling for remediation and closure reporting.

Thank you,

Andrew Parker

Environmental Scientist

970-570-9535





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

March 30, 2022

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

RE: Closure Report  
Incident #: nAPP2136430670  
AEP #: 20211229-1215-water  
API #: 30-025-45815  
Location: Dagger SWD #1

NMOCD,

Thank you for approval of the Dagger SWD #1 (#nAPP2136430670) remediation plan. In response to the conditions of approval set forth in NMOCD's February 13, 2022 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, the Unit Letter has been correct from 'G' to 'H'. The corrected C-141 is attached.

Per the remediation plan approval, soil samples were collected at locations shown on Plate 1-closure. Soil samples exhibit chloride and hydrocarbon concentration below Closure Criteria (Table 1 of 19.15.29 NMAC) for release areas in-use on an active production site used for oil and gas operations; where depth to water is greater than 100-feet. Table 1 is a summary of analytical results. Table 2 are the GPS coordinates for sample points. Appendix A contains the laboratory Certificate of Analysis for the March 10, 2022 sampling event.

Per 19.15.29.12.C.(2) NMAC and the approved remediation plan, no remediation was required. Boreholes were backfilled with bentonite chips and capped with caliche to restore the surface to an active production site (Figure 1) per 19.15.29.13.B.

Incident #: nAPP2036563650  
AEP #:12042020-1430-dc



Figure 1: Photograph of restored surface, viewing southeast from northwest extent of release. Date: 03/30/2022.  
GPS Lat/Long: 32.4501291, -103.6078518.

When the production site is no longer in-use for oil & gas operations the release area will be remediated, restored, and reclaimed per 19.15.29.13.D.

Please contact us with any questions.

Sincerely,  
Advance Energy Partners Hat Mesa, LLC  
Ameredev II



Andrew Parker  
Env. Scientist

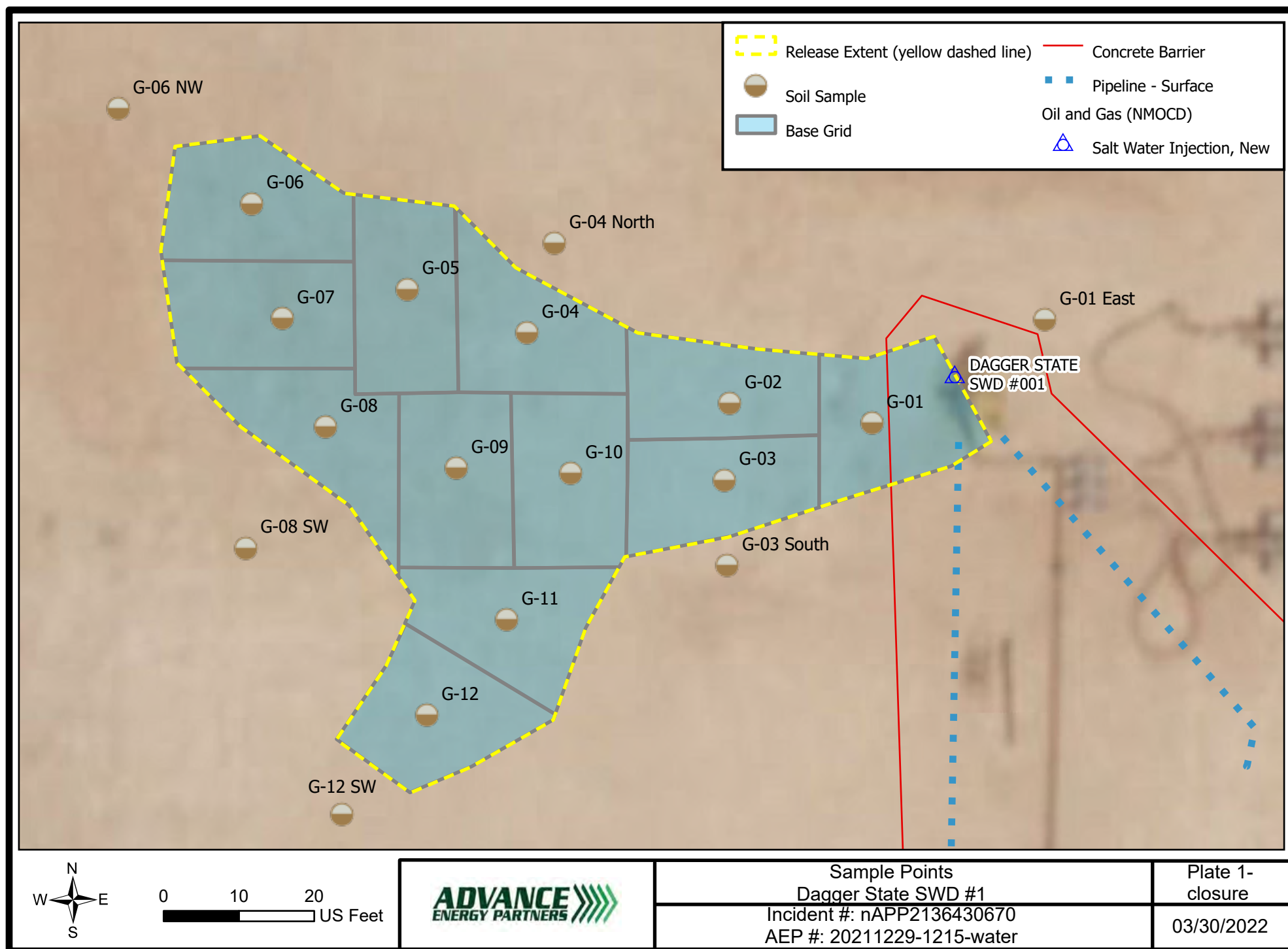
Copy: Shane McNeely; Ameredev II  
Floyd Hammond; Amerdev II  
State Land Office

03/30/2022

# Plates









# Tables



03/30/2022

Table 1  
Summary of AnalyticalIncident #: nAPP2136430670  
AEP #: 20211229-1215-water  
Dagger State SWD #1

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria											
0 - 4 feet & "not in-use"					600	--	2,500	10	50		
> 4 ft or "in-use"					20,000	1,000	2,500	10	50		
G-01	3/10/2022		0.0	1.0	9600	<20	<30	<0.05	<0.30	Cardinal	H221017
G-01	3/10/2022		1.0	2.0	2520	<20	<30	<0.05	<0.30	Cardinal	H221017
G-01	3/10/2022		2.0	4.0	176	<20	<30	<0.05	<0.30	Cardinal	H221017
G-01	3/10/2022	4.5			80	<20	<30	<0.05	<0.30	Cardinal	H221017
G-01 East	1/17/2022		0.0	1.0	128	<20	<30	<0.05	<0.3	Cardinal	H220181
G-01 East	1/17/2022		1.0	2.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-01 East	1/17/2022		3.0	4.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-02	1/17/2022		0.0	1.0	2120	<20	<30	<0.05	<0.3	Cardinal	H220181
G-02	1/17/2022		1.0	2.0	48	<20	<30	<0.05	<0.3	Cardinal	H220181
G-02	1/17/2022		2.0	3.0	48	<20	<30	<0.05	<0.3	Cardinal	H220181
G-03	3/10/2022		0.0	1.0	1600	<20	<30	<0.05	<0.30	Cardinal	H221017
G-03	3/10/2022		1.0	2.0	240	<20	<30	<0.05	<0.30	Cardinal	H221017
G-03	3/10/2022		2.0	4.0	176	<20	<30	<0.05	<0.30	Cardinal	H221017
G-03	3/10/2022	4.5			64	<20	<30	<0.05	<0.30	Cardinal	H221017
G-03 South	1/17/2022		0.0	1.0	192	<20	<30	<0.05	<0.3	Cardinal	H220181
G-03 South	1/17/2022		1.0	2.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-03 South	1/17/2022		2.0	3.0	16	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04	1/17/2022		0.0	1.0	1100	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04	1/17/2022		1.0	2.0	480	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04	1/17/2022		2.0	3.0	880	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04 North	1/17/2022		0.0	1.0	144	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04 North	1/17/2022		1.0	2.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-04 North	1/17/2022		2.0	3.0	48	<20	<30	<0.05	<0.3	Cardinal	H220181
G-05	3/10/2022		0.0	1.0	1660	<20	<30	<0.05	<0.30	Cardinal	H221017
G-05	3/10/2022		1.0	2.0	864	<20	<30	<0.05	<0.30	Cardinal	H221017
G-05	3/10/2022		2.0	4.0	7120	<20	<30	<0.05	<0.30	Cardinal	H221017
G-05	3/10/2022	4.5			4320	<20	<30	<0.05	<0.30	Cardinal	H221017

03/30/2022

Table 1  
Summary of AnalyticalIncident #: nAPP2136430670  
AEP #: 20211229-1215-water  
Dagger State SWD #1

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria											
0 - 4 feet & "not in-use"					600	--	2,500	10	50		
> 4 ft or "in-use"					20,000	1,000	2,500	10	50		
G-06	3/10/2022		0.0	1.0	7600	<20	<30	<0.05	<0.30	Cardinal	H221017
G-06	3/10/2022		1.0	2.0	832	<20	<30	<0.05	<0.30	Cardinal	H221017
G-06	3/10/2022		2.0	4.0	1180	<20	<30	<0.05	<0.30	Cardinal	H221017
G-06	3/10/2022	4.5			1180	<20	<30	<0.05	<0.30	Cardinal	H221017
G-06 NW	1/17/2022		0.0	1.0	64	<20	<30	<0.05	<0.3	Cardinal	H220181
G-06 NW	1/17/2022		1.0	2.0	64	<20	<30	<0.05	<0.3	Cardinal	H220181
G-06 NW	1/17/2022		2.0	3.0	192	<20	<30	<0.05	<0.3	Cardinal	H220181
G-07	1/17/2022		0.0	1.0	1580	<20	<30	<0.05	<0.3	Cardinal	H220181
G-07	1/17/2022		1.0	2.0	416	<20	<30	<0.05	<0.3	Cardinal	H220181
G-07	1/17/2022		2.0	3.0	2280	<20	<30	<0.05	<0.3	Cardinal	H220181
G-07	3/10/2022		3.0	4.0	8400	<20	<30	<0.05	<0.30	Cardinal	H221017
G-07	3/10/2022	4.5			3480	<20	<30	<0.05	<0.30	Cardinal	H221017
G-08	3/10/2022		0.0	1.0	1280	<107.5	<117.5	<0.05	<0.30	Cardinal	H221017
G-08	3/10/2022		1.0	2.0	704	<20	<30	<0.05	<0.30	Cardinal	H221017
G-08	3/10/2022		2.0	4.0	2270	<20	<30	<0.05	<0.30	Cardinal	H221017
G-08	3/10/2022	4.5			704	<20	<30	<0.05	<0.30	Cardinal	H221017
G-08 SW	1/17/2022		0.0	1.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-08 SW	1/17/2022		1.0	2.0	32	<20	<30	<0.05	<0.3	Cardinal	H220181
G-08 SW	1/17/2022		2.0	3.0	240	<20	<30	<0.05	<0.3	Cardinal	H220181

03/30/2022

Table 1  
Summary of AnalyticalIncident #: nAPP2136430670  
AEP #: 20211229-1215-water  
Dagger State SWD #1

Sample ID	Date	Discrete Depth (Feet)	Top Depth (Feet)	Bottom Depth (Feet)	Chloride (mg/kg)	GRO+DRO (mg/kg)	TPH Ext. (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	Lab (Hall/Cardinal)	Lab #
NMOCD Closure Criteria											
0 - 4 feet & "not in-use"					600	--	2,500	10	50		
> 4 ft or "in-use"					20,000	1,000	2,500	10	50		
G-09	1/17/2022		0.0	1.0	880	<20	<30	<0.05	<0.3	Cardinal	H220181
G-09	1/17/2022		1.0	2.0	720	<20	<30	<0.05	<0.3	Cardinal	H220181
G-09	1/17/2022		2.0	3.0	1580	<20	<30	<0.05	<0.3	Cardinal	H220181
G-09	3/10/2022		3.0	4.0	2920	<20	<30	<0.05	<0.30	Cardinal	H221017
G-09	3/10/2022	4.5			880	<20	<30	<0.05	<0.30	Cardinal	H221017
G-10	3/10/2022		0.0	1.0	832	<20	<30	<0.05	<0.30	Cardinal	H221017
G-10	3/10/2022		1.0	2.0	48	<20	<30	<0.05	<0.30	Cardinal	H221017
G-10	3/10/2022		2.0	4.0	80	<20	<30	<0.05	<0.30	Cardinal	H221017
G-10	3/10/2022	4.5			304	<20	<30	<0.05	<0.30	Cardinal	H221017
G-11	3/10/2022		0.0	1.0	3600	<20	<30	<0.05	<0.30	Cardinal	H221017
G-11	3/10/2022		1.0	2.0	928	<20	<30	<0.05	<0.30	Cardinal	H221017
G-11	3/10/2022		2.0	4.0	112	<20	<30	<0.05	<0.30	Cardinal	H221017
G-11	3/10/2022	4.5			32	<20	<30	<0.05	<0.30	Cardinal	H221017
G-12	1/17/2022		0.0	1.0	2160	<20	<30	<0.05	<0.3	Cardinal	H220181
G-12	1/17/2022		1.0	2.0	320	<20	<30	<0.05	<0.3	Cardinal	H220181
G-12	1/17/2022		2.0	3.0	496	<20	<30	<0.05	<0.3	Cardinal	H220181
G-12 SW	1/17/2022		0.0	1.0	144	<20	<30	<0.05	<0.3	Cardinal	H220181
G-12 SW	1/17/2022		1.0	2.0	160	<20	<30	<0.05	<0.3	Cardinal	H220181
G-12 SW	1/17/2022		2.0	3.0	208	<20	<30	<0.05	<0.3	Cardinal	H220181

Sample ID	Latitude	Longitude
G-01	32.44991089	-103.60745326
G-01 East	32.44993608	-103.60739461
G-02	32.44992387	-103.60752343
G-03	32.44989042	-103.60751697
G-03 South	32.44986468	-103.60752505
G-04	32.44995002	-103.60761061
G-04 North	32.44998264	-103.60759853
G-05	32.44996089	-103.60765282
G-06	32.44999253	-103.60771950
G-06 NW	32.45002978	-103.60777729
G-07	32.44995053	-103.60770667
G-08	32.44991081	-103.60768838
G-08 SW	32.44988617	-103.60770806
G-09	32.44989548	-103.60763218
G-10	32.44989332	-103.60758304
G-11	32.44983996	-103.60761100
G-12	32.44981069	-103.60765487
G-12 SW	32.44977990	-103.60768567

# Appendix A

## Certificate of Analysis





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

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March 21, 2022

ANDREW PARKER

AMEREDEV

2901 VIA FORTUNA , SUITE 600

AUSTIN, TX 78746

RE: DAGGER STATE SWD

Enclosed are the results of analyses for samples received by the laboratory on 03/14/22 17:00.

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

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 03 0-1' (H221017-01)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1600	16.0	03/17/2022	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	03/21/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/21/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 03 1-2' (H221017-02)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTX	<0.300	0.300	03/17/2022	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	240	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86		
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54		
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND						

Surrogate: 1-Chlorooctane 83.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 03 2-4' (H221017-03)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEx	<0.300	0.300	03/17/2022	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	176	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 75.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 03 4.5' (H221017-04)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	64.0	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 01 0-1' (H221017-05)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEx	<0.300	0.300	03/17/2022	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	9600	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 01 1-2' (H221017-06)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEx	<0.300	0.300	03/17/2022	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	2520	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 01 2-4' (H221017-07)**

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	03/17/2022	ND	1.99	99.7	2.00	0.675		
Toluene*	<0.050	0.050	03/17/2022	ND	2.00	99.9	2.00	0.196		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	100	2.00	0.554		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.21	104	6.00	0.835		
Total BTEx	<0.300	0.300	03/17/2022	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	176	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 01 4.5' (H221017-08)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	80.0	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 05 0-1' (H221017-09)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEx	<0.300	0.300	03/17/2022	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	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 05 1-2' (H221017-10)**

BTEx 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2022	ND	1.99	99.5	2.00	1.73	
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680	
Total BTEX	<0.300	0.300	03/17/2022	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	864	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 05 2-4' (H221017-11)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	7120	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 05 4.5' (H221017-12)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	4320	16.0	03/17/2022	ND	416	104	400	3.92	QM-07	

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	196	98.2	200	1.65		
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73		
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND						

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 06 0-1' (H221017-13)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73	
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680	
Total BTX	<0.300	0.300	03/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	7600	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 06 1-2' (H221017-14)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	832	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 06 2-4' (H221017-15)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 133 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 06 4.5' (H221017-16)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 07 3-4' (H221017-17)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	8400	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 07 4.5' (H221017-18)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3480	16.0	03/17/2022	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	03/17/2022	ND	196	98.2	200	1.65		
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	189	94.3	200	5.73		
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND						

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 08 0-1' (H221017-19)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1280	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86		
DRO >C10-C28*	97.7	10.0	03/18/2022	ND	191	95.4	200	7.54		
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND						

Surrogate: 1-Chlorooctane 68.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 79.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 08 1-2' (H221017-20)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEx	<0.300	0.300	03/17/2022	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	704	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 08 2-4' (H221017-21)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73	
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680	
Total BTX	<0.300	0.300	03/17/2022	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	2270	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 08 4.5' (H221017-22)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	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	704	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86		
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54		
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND						

Surrogate: 1-Chlorooctane 82.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 09 3-4' (H221017-23)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	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	2920	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 09 4.5' (H221017-24)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	880	16.0	03/17/2022	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	03/18/2022	ND	194	96.8	200	8.86		
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	191	95.4	200	7.54		
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND						

Surrogate: 1-Chlorooctane 81.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 10 0-1' (H221017-25)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	832	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 10 1-2' (H221017-26)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	48.0	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.6 % 59.5-142

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\*=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:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 10 2-4' (H221017-27)**

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	03/17/2022	ND	1.99	99.5	2.00	1.73		
Toluene*	<0.050	0.050	03/17/2022	ND	1.98	99.2	2.00	1.75		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	1.99	99.4	2.00	1.11		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.13	102	6.00	0.680		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 10 4.5' (H221017-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2022	ND	2.00	100	2.00	1.14		
Toluene*	<0.050	0.050	03/17/2022	ND	2.10	105	2.00	4.09		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	101	2.00	2.55		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.52	109	6.00	2.40		
Total BTEX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	304	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 11 0-1' (H221017-29)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2022	ND	2.00	100	2.00	1.14	
Toluene*	<0.050	0.050	03/17/2022	ND	2.10	105	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	101	2.00	2.55	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.52	109	6.00	2.40	
Total BTEX	<0.300	0.300	03/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	3600	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 11 1-2' (H221017-30)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2022	ND	2.00	100	2.00	1.14	
Toluene*	<0.050	0.050	03/17/2022	ND	2.10	105	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	101	2.00	2.55	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.52	109	6.00	2.40	
Total BTEX	<0.300	0.300	03/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	928	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 11 2-4' (H221017-31)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/17/2022	ND	2.00	100	2.00	1.14		
Toluene*	<0.050	0.050	03/17/2022	ND	2.10	105	2.00	4.09		
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	101	2.00	2.55		
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.52	109	6.00	2.40		
Total BTX	<0.300	0.300	03/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	112	16.0	03/17/2022	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	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

AMEREDEV  
 ANDREW PARKER  
 2901 VIA FORTUNA , SUITE 600  
 AUSTIN TX, 78746  
 Fax To:

Received:	03/14/2022	Sampling Date:	03/10/2022
Reported:	03/21/2022	Sampling Type:	Soil
Project Name:	DAGGER STATE SWD	Sampling Condition:	Cool & Intact
Project Number:	20211229 - 1215 - WATER	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: G - 11 4.5' (H221017-32)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2022	ND	2.00	100	2.00	1.14	
Toluene*	<0.050	0.050	03/17/2022	ND	2.10	105	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/17/2022	ND	2.01	101	2.00	2.55	
Total Xylenes*	<0.150	0.150	03/17/2022	ND	6.52	109	6.00	2.40	
Total BTEX	<0.300	0.300	03/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	03/17/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/17/2022	ND	202	101	200	7.93	
DRO >C10-C28*	<10.0	10.0	03/17/2022	ND	226	113	200	13.9	
EXT DRO >C28-C36	<10.0	10.0	03/17/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Ametec <b>Project Manager:</b> Andrew Parker <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> 20211229-1215-Water <b>Project Location:</b> Dwyer State SWD <b>Sample Name:</b> 5HCO8 SHERZ		<b>BILL TO</b> <b>P.O. #:</b> 20211229-1215-Water <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>																			
<b>FOR LAB USE ONLY</b>		<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		<b>PRESERV.</b> ACID/BASE: ICE / COOL OTHER:		<b>SAMPLING</b> DATE TIME		Chloride TPH (CRO + DRO + NRO) Benzene, BTX															
<b>Lab I.D.</b> H221017		<b>Sample I.D.</b>		(G)RAB OR (C)OMP.		# CONTAINERS		DATE TIME															
1 6-03 0-1FT 2 6-03 1-2FT 3 6-03 2-4FT 4 6-03 4-5FT 5 6-01 0-1FT 6 6-01 1-2FT 7 6-01 2-4FT 8 6-01 4-5FT 9 6-05 0-1FT 10 6-05 1-2FT																							
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<b>Relinquished By:</b> [Signature]		<b>Date:</b> 3-14-22 <b>Time:</b> 1700		<b>Received By:</b> [Signature]		<b>Date:</b> 3-14-22 <b>Time:</b> 1700		<b>REMARKS:</b>															
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> 24 <b>Corrected Temp. °C</b> 21		<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		<b>CHECKED BY:</b> (Initials)		<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> <b>Thermometer ID #</b> #113 <b>Correction Factor</b> +0.5°C		<b>Bacteria (only)</b> <input checked="" type="checkbox"/> <b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>													

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <u>Amercedev</u> <b>Project Manager:</b> <u>Andrew Parker</u> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> <u>2021/224-1215-Water</u> <b>Project Location:</b> <u>Dugger State SWD</u> <b>Sample Name:</b> <u>SHCOB SNE#2</u>		<b>BILL TO</b> <b>P.O. #:</b> <u>2021/224-1215-Water</u> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <b>Sample I.D.</b>		<b>MATRIX</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		<b>PRESERV</b> <b>SAMPLING</b> DATE TIME	
H221017 11 G-05 12 G-05 13 G-06 14 G-06 15 G-06 16 G-06 17 G-07 18 G-07 19 G-08 20 G-08		2-4 FT 4-5 FT 0-1 FT 1-2 FT 2-4 FT 4-5 FT 3-4 FT 4-5 FT 0-1 FT 1-2 FT		2/19/22 10:35 AM 10:40 AM 10:45 AM 10:46 AM 10:47 AM 10:48 AM 10:50 AM 10:51 AM 10:55 AM 10:56 AM	
Chloride TPH (GRO + PRO + MRO) Ben zene , BTEX					
Relinquished By: <u>[Signature]</u> Date: <u>3-14-22</u> Time: <u>1700</u> Received By: <u>[Signature]</u> Date: <u>3-14-22</u> Time: <u>1700</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:		REMARKS:	
Delivered By: (Circle One) UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Checked By: (Initials) Turnaround Time: <u>Standard</u> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: **Ametek**Project Manager: **Andrew Parker**

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project #:

Project Owner:

Project Name: **2021/224-1215-water**Project Location: **Onyiah 5th St SW**Sample Name: **SACOB SNEW**

BILL TO

P.O. # **2021/224-1215-4141**

Company:

Attn:

Address:

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
<b>H231017</b>									
21	G-08	2-4FT	6	X	X	374	2/22/21	10:55am	Chloride
22	G-08	4.5FT	1			11am			TPH (GRO + DRO + MRO)
23	G-09	3-4FT				11:05am			Ben Zene, BTEX
24	G-09	4.5FT				11:07am			
25	G-10	0-1FT				11:09am			
26	G-10	1-2FT				11:15am			
27	G-10	2-4FT				11:30am			
28	G-10	4.5FT				11:40am			
29	G-11	0-1FT				11:45am			
30	G-11	1-2FT				11:45am			

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes of damages.

Relinquished By:

Date: **3-14-22**Received By: **Jawara**Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date:

Received By:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>		<b>11:30</b>	Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/>	Observed Temp. °C
							Corrected Temp. °C

FORM-000 REV 0

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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**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 94610

CONDITIONS

Operator: ADVANCE ENERGY PARTNERS HAT MESA, LLC 11490 Westheimer Rd., Ste 950 Houston, TX 77077	OGRID: 372417
	Action Number: 94610
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when conducting P&A.	5/4/2022