Souder, Miller & Associates♦201 S. Halagueno St.♦Carlsbad, NM 88220
(575) 689-8801

October 21, 2020

#5E29133-BG58

NMOCD District 1
1625 N. French Dr.
Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the White Dove 17 Federal Com 3H Release (1RP-5074), Lea County, New Mexico

To Whom It May Concern:

On behalf of Devon Energy Production Company, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the White Dove 17 Federal Com 3H site. The site is in Unit M, Section 17, Township 23S, Range 34E, Lea County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	White Dove 17 Federal Com 3H	Company	Devon Energy Production Company
API Number	30-025-43028	Location	32.298477, -103.497084
Tracking Number	1RP-5074		
Estimated Date of Release	5/08/2018	Date Reported to NMOCD	5/08/2018
Land Owner	Federal	Reported To	NMOCD, BLM
Source of Release	Overflow from frac-tanks.		
Released Volume	38 BBLS	Released Material	Produced Water
Recovered Volume	0 BBLS	Net Release	38 BBLS
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	8/24/2020, 10/02/2020		

1.0 Background

On May 8, 2018, a release was discovered at the White Dove 17 Federal Com 3H site due to an overflow from nearby frac-tanks as the derrick man was transferring brine mud to them. The result was a spill of 38 bbls of brine mud that was released onto the location. Initial response activities were conducted by the operator, and included source elimination and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The White Dove 17 Federal Com 3H is an active production facility located approximately 34 southwest of Hobbs, New Mexico on Federal (BLM) land at an elevation of approximately 3,482 feet above mean sea level (amsl).

Depth to Groundwater
Based upon New Mexico Office of the State Engineer (Appendix B), depth to groundwater in the area is estimated to be 268 feet below grade surface (bgs).

Wellhead Protection Area
There are no known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

Distance to Nearest Significant Watercourse
The nearest significant watercourses are unnamed streams, wetlands, and playa located approximately 4,652 feet to the southeast.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the lack of supportable groundwater data, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

3.0 Release Characterization and Remediation Activities

On August 24, 2020, SMA personnel performed site delineation activities at the White Dove 17 Federal Com 3H site. SMA collected soil samples around the release site and throughout the presumed release area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp.

A total of fifteen sample locations (L1 – L5, S1 – S6, SW1 – SW4) were investigated using a hand-auger, from surface level to depths of 1-foot bgs. A total of nineteen samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Results indicated that the area around samples S1 – S6 were impacted; all other locations were below NMOCD Closure Criteria.

On October 2, 2020, SMA returned to the site to guide the excavation of contaminated soil. SMA guided the excavation activities by collecting soil samples for field screening. Samples were screened for chloride and hydrocarbons using the methods above. The walls and base were excavated until field

screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on September 30, 2020 that closure samples were expected to be collected in two (2) business days.

On October 2, 2020, SMA collected confirmation samples from the walls and base of the excavation, which measured approximately 21-feet by 75-feet by 1.5-foot. Confirmation samples were comprised of five-point composites of the base (CS1 – CS9) and walls (SW1 – SW4).

A total of thirteen samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech in Farmington, New Mexico (Appendix D).

Figure 3 shows the site and initial sample locations, Figure 3A shows the extent of the final excavation and closure sample locations. All field screening and laboratory results are summarized in Table 3. Field notes are included in Appendix C, and photos are included in appendix E.

4.0 Site Recommendations

As demonstrated in Table 3, all closure samples meet the Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC. Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at Northern Delaware Basin Landfill near Jal, NM, an NMOCD-permitted disposal facility.

SMA recommends no further action and requests closure of Incident Number 1RP-5074.

5.0 Scope and Limitations

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

If there are any questions regarding this report, please contact either Ashley Maxwell at 575-689-8801 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

Ashley Maxwell
Project Scientist

Shawna Chubbuck
Senior Scientist

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 10/20/2020
United States Geological Survey
https://waterdata.usgs.gov/nwis/

ATTACHMENTS:

Figures:

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

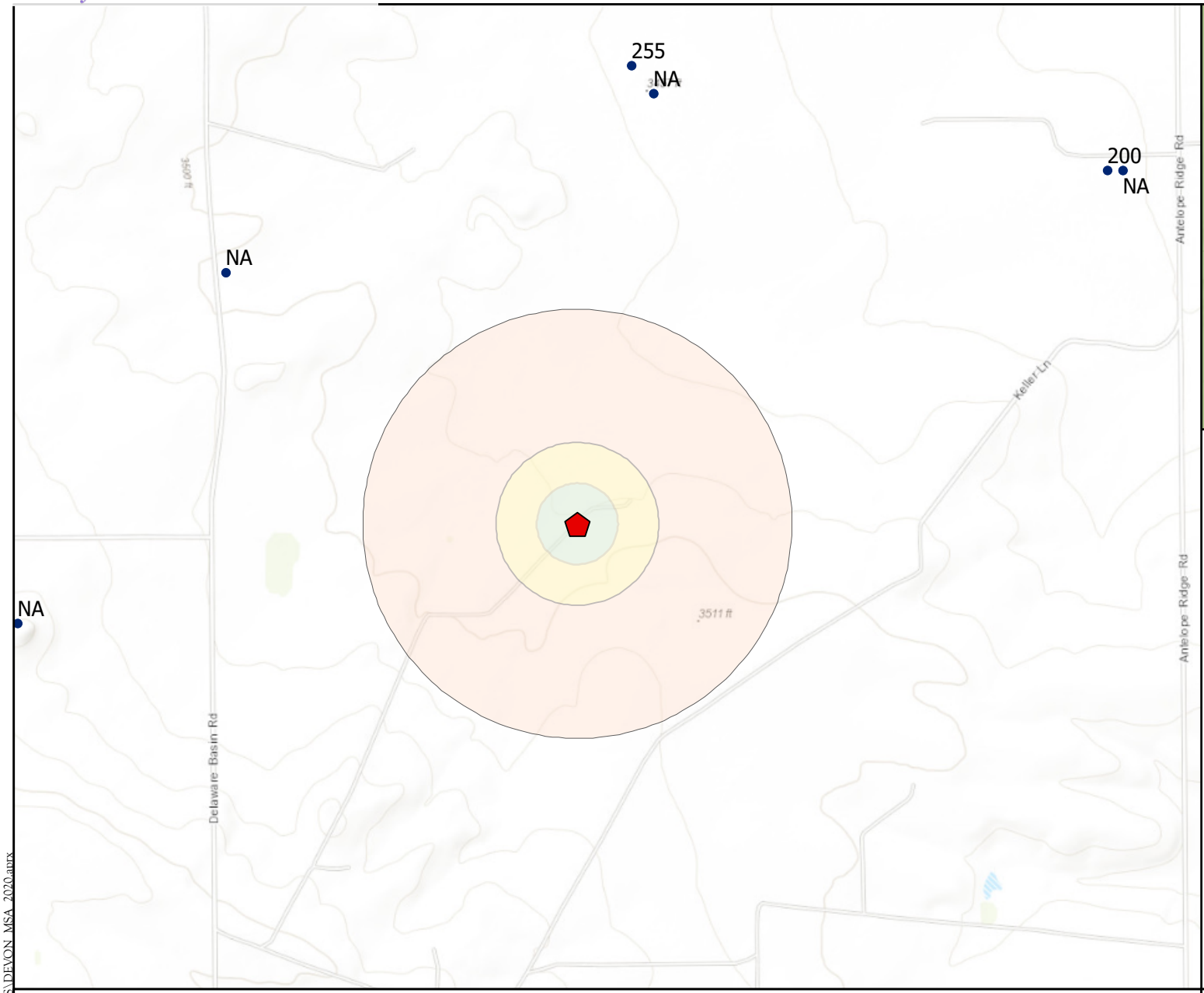
Tables:

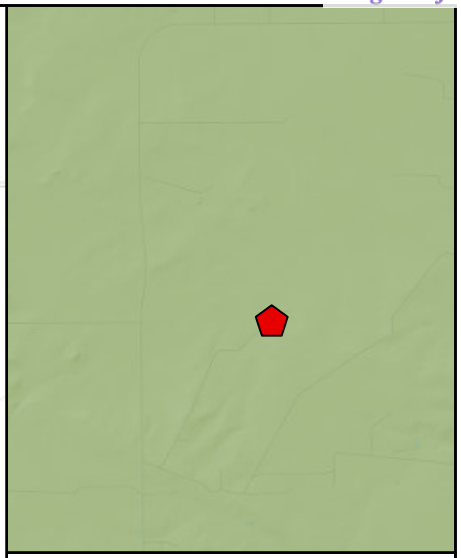
Table 2: NMOCD Closure Criteria Justification
Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C141
Appendix B: NMOSE Wells Report
Appendix C: Sampling Protocol and Field Notes
Appendix D: Laboratory Analytical Reports
Appendix E: Photo Log

FIGURES





Buffer Distance
- .5 Mile
- 1000 Feet
- 500 Feet
- OSE Depth to GW
- USGS GW Well
- Point of Release

Karst Potential
- Critical
- High
- Medium
- Low

N

0 500 1,000 2,000 3,000
Feet

Site Map
White Dove 17 Fed Com #2/#3- Devon Energy Production Company
32.2980797, -103.4962835 Lea County, New Mexico

Figure 1

P:\5-Devon MSA 2020 (5E29133)\GIS\DEVON_MSA_2020.aprx
Date Saved: 9/1/2020

Revisions
By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

Drawn Sebastian Orozco
Date 9/2/2020
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains

Buffer Distance
- 300 Feet
- 200 Feet
- 100 Feet
- Springs & Seeps
- Streams & Canals
- Rivers
- Flowlines SENM
- NM Wetlands
- Lakes & Playas
- FEMA Flood Zones 2011
- Point of Release

N

0 270 540 1,080 1,620

Feet

Surface Water Protection Map
White Dove 17 Federal Com 3H- Devon Energy
UL: M S: 17 T: 23S R: 34E, Lea County, New Mexico

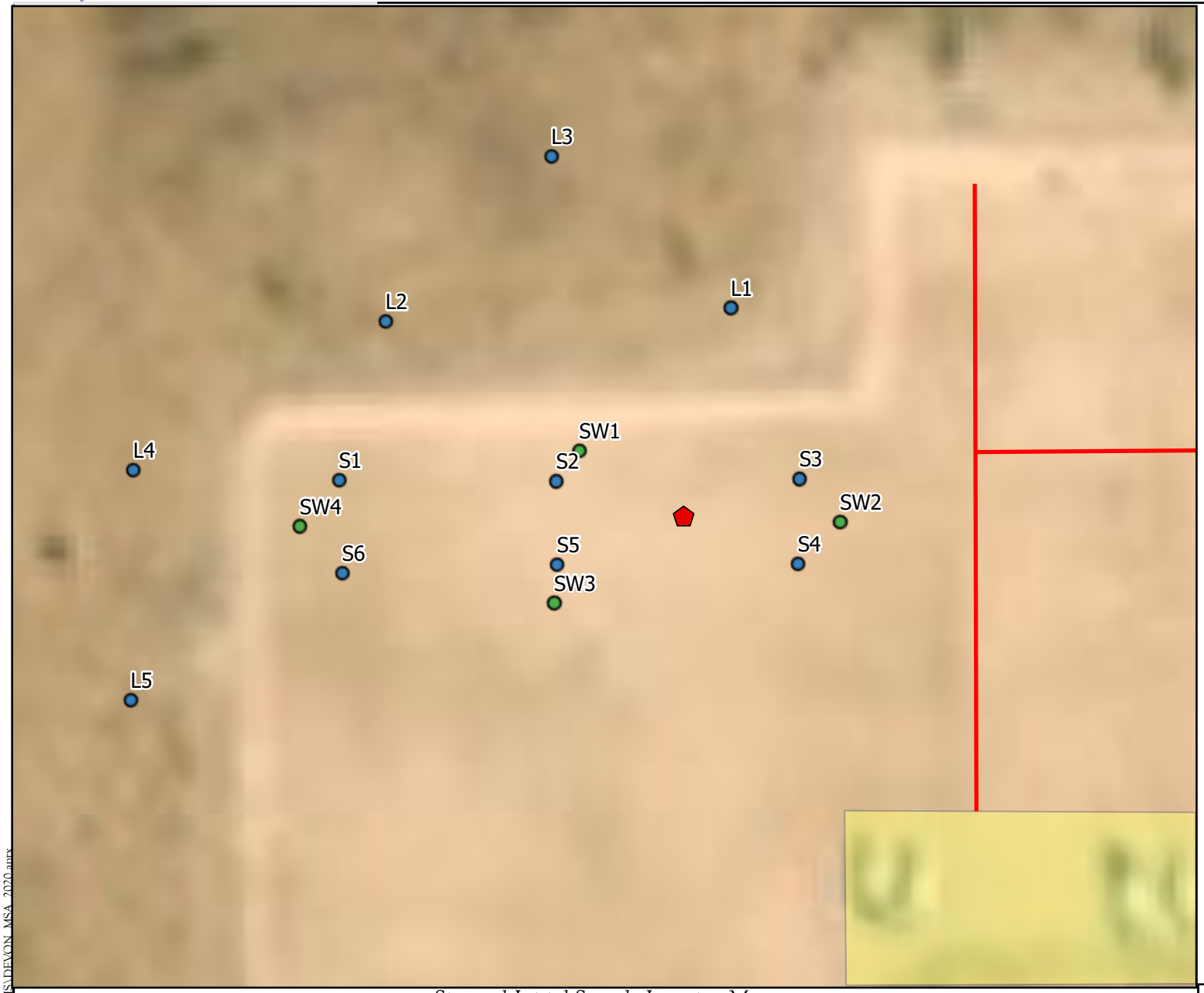
Figure 2

P:\5-Devon MSA 2020 (5E29133)\GIS\DEVON_MSA_2020.aprx
Date Saved: 10/15/2020

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn P.R. Smith
Date 10/15/2020
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains



Legend:

- Pipelines
- Equipment
- Initial Side Wall Samples
- Initial Soil Sample
- Point of Release

N

0 5 10 20 30

Feet

Site and Initial Sample Location Map
White Dove 17 Federal Com 3H - Devon Energy
UL: M S:17 T:23S R:34E, Lea County, New Mexico

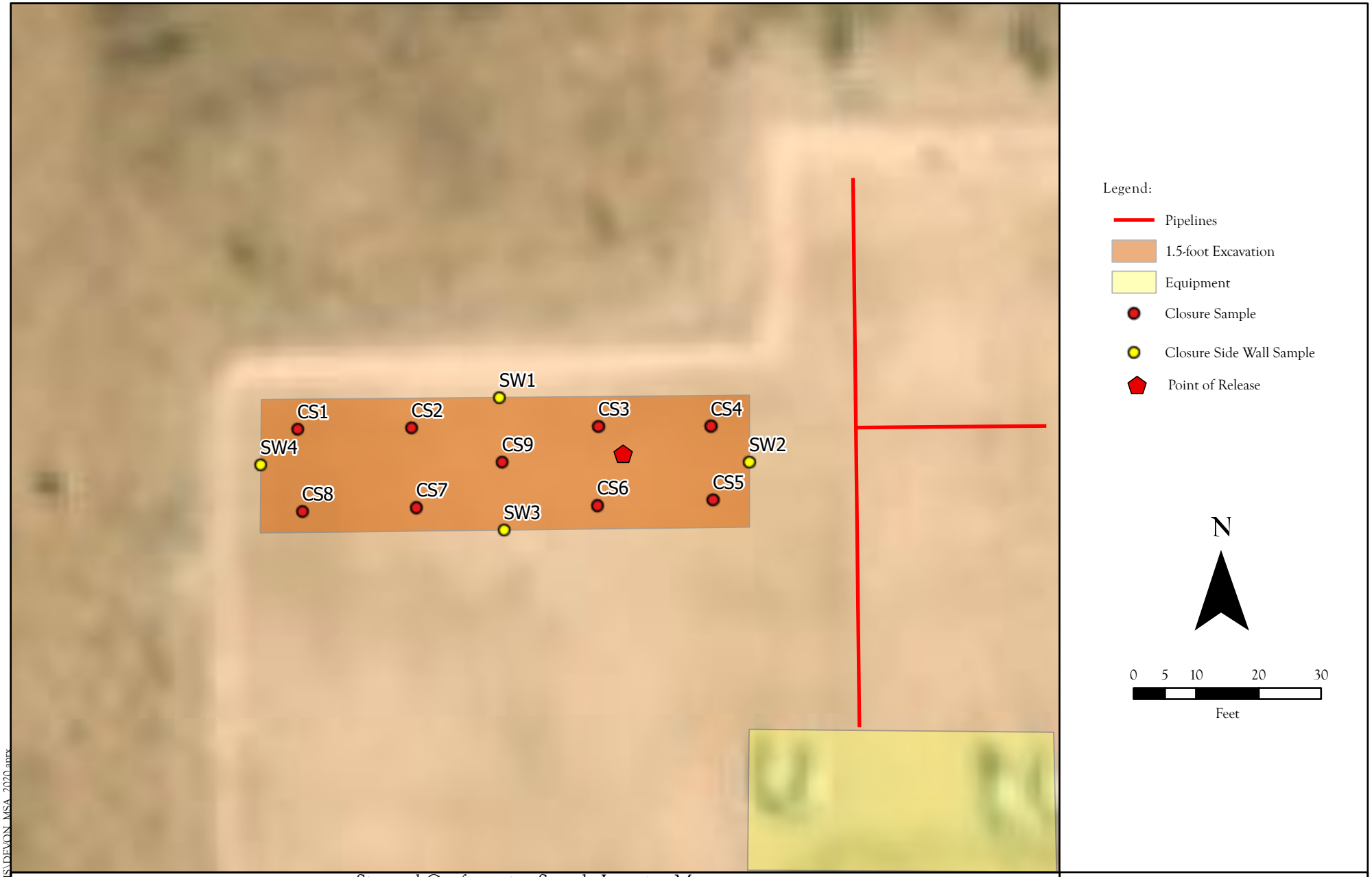
Figure 3

P:\5-Devon MSA 2020 (5E29133)\GIS\DEVON_MSA_2020.aprx
Date Saved: 10/20/2020

Revisions
By: Date: Descr:
By: Date: Descr:

Drawn P.R. Smith
Date 10/21/2020
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains



Site and Confirmation Sample Location Map
White Dove 17 Federal Com 3H - Devon Energy
UL: M S:17 T:23S R:34E, Lea County, New Mexico

Figure 3A

P:\5.Devon MSA 2020\(5F29133)\GIS\DEVON_MSA_2020.aprx
Date Saved: 10/20/2020

Revisions
By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

Drawn P.R. Smith
Date 10/21/2020
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689.7040
Serving the Southwest & Rocky Mountains

TABLES

Table 2:
NMOCD Closure Criteria

Devon Energy
White Dove 17 Federal Com 3H

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	268 (Estimate)	New Mexico Office of the State Engineer
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	N/A	NMOSE & USGS
Hortizontal Distance to Nearest Significant Watercourse (ft)	4652	NMOSE & USGS

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

SMA #

Table 3:
Sample Results

Devon Energy
White Dove 17 Fed Com 3H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Action Taken	Method 8021B		Method 8015D				Method 300.0
				BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
				mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria				50	10				100	600
L1	8/24/2020	Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	45.6
L2		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	20.7
L3		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
L4		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.3
L5		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
S1		Surface	Excavated	0.0497	<0.0250	<20.0	133	767	900	401
		1	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	113
S2		Surface	Excavated	<0.100	<0.0250	<20.0	50.2	155	205.2	1180
		1	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	113
S3		Surface	Excavated	<0.100	<0.0250	<20.0	141	178	319	771
		1	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	299
S4		Surface	Excavated	<0.100	<0.0250	<20.0	88.5	110	198.5	1080
		1	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	271
S5		Surface	Excavated	<0.100	<0.0250	<20.0	120	202	322	67.8
S6		Surface	Excavated	<0.100	<0.0250	<20.0	44.5	94.4	138.9	83.8
SW1		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4		Surface	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
Closure Samples										
CS1	10/2/2020	1.50	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS2				0.947	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS3				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS4				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS5				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS6				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS7				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS8				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS9				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW1		0-1.5		<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW2				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW3				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SW4				<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0

"--" = Not Analyzed
BG: Background sample

APPENDIX A
FORM C141

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

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

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company	Contact Luke Lundgren, Drilling Supervisor
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 405-552-4522
Facility Name White Dove 17 Federal Com 3H	Facility Type Oil

Surface Owner Federal	Mineral Owner Federal	API No. 30-025-43028

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	17	23S	34E					Lea

Latitude_32.298477_ **Longitude**_103.497084_ NAD83

NATURE OF RELEASE

Type of Release Brine mud	Volume of Release 38.83 bbls	Volume Recovered 0 bbls
Source of Release Tank Overflow	Date and Hour of Occurrence May 8, 2018 @ 9:00 PM MST	Date and Hour of Discovery May 8, 2018 @ 9:00 PM MST
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? NMOCD-Olivia Yu BLM-Shelly Tucker	
By Whom? Mike Shoemaker	Date and Hour May 9, 2018 @ 8:57 PM MST	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

RECEIVED
By Olivia Yu at 9:26 am, May 23, 2018

If a Watercourse was Impacted, Describe Fully.*
N/A

Describe Cause of Problem and Remedial Action Taken.*
The derrick man began transferring brine mud from the mud pits to the frac tanks. While transferring he left the area to complete another task and when he returned the tank had overflowed. The release traveled across the pad and went outside the earthen perimeter berm and stopped in between the pad and the access road.

Describe Area Affected and Cleanup Action Taken.*
Approximately 38.83 bbls of brine mud was released onto the location. No fluid was recovered as it immediately soaked into the ground surface. An environmental contractor will be contacted to assist with delineation and remediation efforts.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Michael Shoemaker	OIL CONSERVATION DIVISION Approved by Environmental Specialist: oy	
Printed Name: Michael Shoemaker		
Title: Environmental Professional	Approval Date: 5/23/2018	Expiration Date:
E-mail Address: mike.shoemaker@dvn.com	Conditions of Approval: see attached directive	Attached ☑
Date: 05/22/18 Phone: 575.748.3371		

* Attach Additional Sheets If Necessary

1RP-5074 nOY1814334286

pOY1814334555

White Dove 17 Federal Com 3H

38.83 bbls brine mud

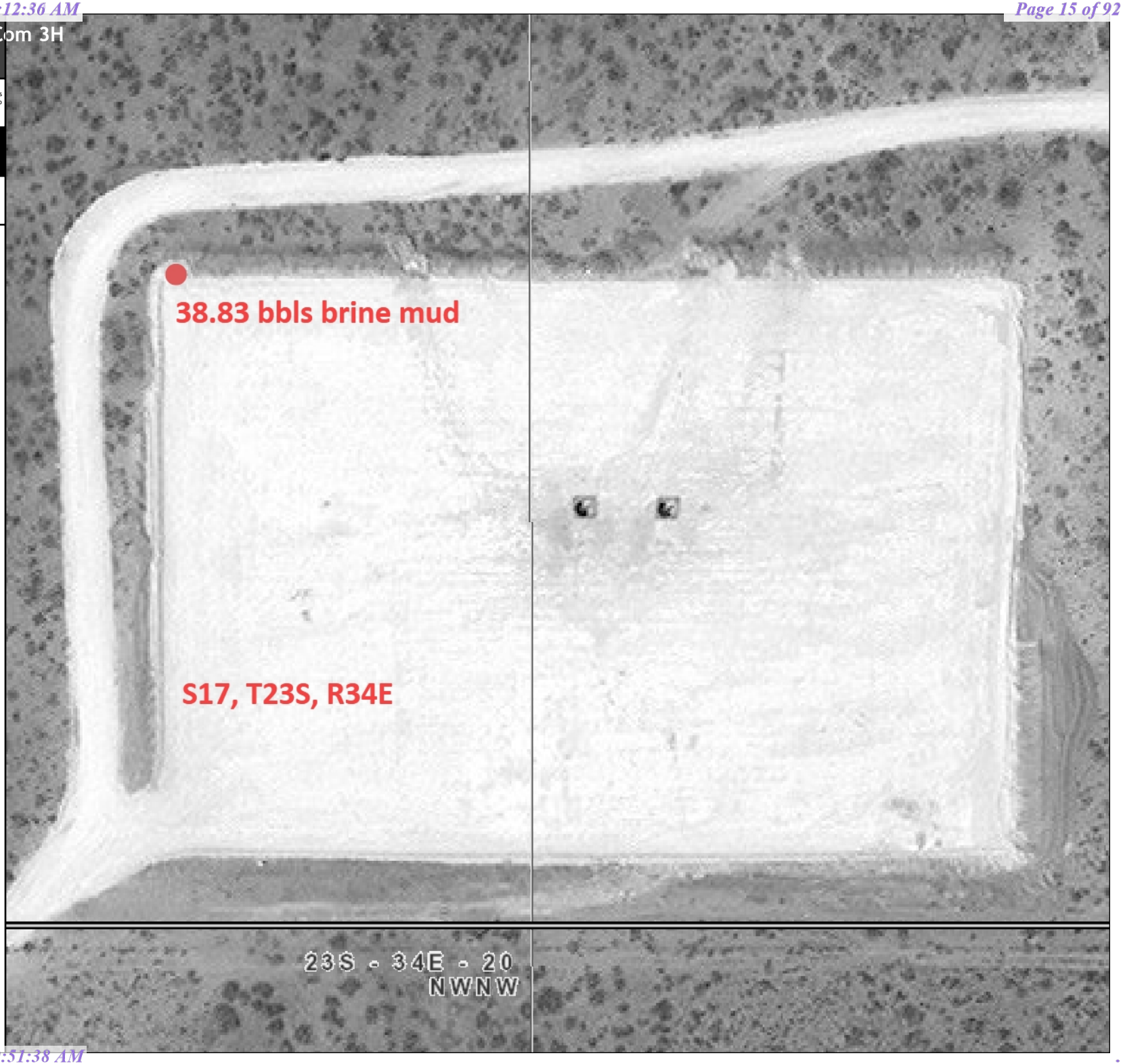
devon

This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Mike Shoemaker
Map is current as of: 22-May-2018

N

Miles
0 0.00 0.01 0.02 1:889



From: Shoemaker, Mike
To: Yu, Olivia, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Fulks, Brett
Subject: White Dove 17 Federal Com 3H (API #30-025-43028)
Date: Wednesday, May 9, 2018 8:57:10 PM
Attachments: image001.png

Good Evening,

Devon had the following release occur at 9:00 PM MST on 05/08/18. The incident is described below.

1. White Dove 17 Federal Com 3H (API #30-025-43028)
    a. The derrick man began transferring brine mud from the mud pits to the frac tanks. While transferring he left the area to complete another task and when he returned the tank had overflowed. The release traveled across the pad and went outside the earthen perimeter berm and stopped in between the pad and the access road. Approximately 38.83 bbls of brine water was released onto the location. No fluid was recovered as it immediately soaked into the ground surface.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile

State of New Mexico
Oil Conservation Division

Incident ID	NOY1814334286
District RP	1RP-5074
Facility ID	
Application ID	POY1814334555

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	268 (Estimate) (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141 State of New Mexico
Page 4 Oil Conservation Division

Incident ID	NOY1814334286
District RP	1RP-5074
Facility ID	
Application ID	POY1814334555

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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 10/23/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: _____ Date: _____

Incident ID	NOY1814334286
District RP	1RP-5074
Facility ID	
Application ID	POY1814334555

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: Tom Bynum Title: EHS Consultant

Signature: Tom Bynum Date: 10/23/2020

email: tom.bynum@dvn.com Telephone: 575-748-2663

OCD Only

Received by: Chad Hensley Date: 04/21/2021

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: Chad Hensley Date: 04/21/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

APPENDIX B
NMOSE WELLS REPORT

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00556 POD1		CP	LE	4	4	3	08	23S	34E	641762	3576206	1746	497	255	242
C 04353 POD1		CUB	ED	4	2	2	24	23S	33E	639474	3574098	2137	603	330	273
CP 01730 POD1		CP	LE	2	2	1	16	23S	34E	643549	3575824	2390	594	200	394
CP 01760 POD1		CP	LE	3	1	2	16	23S	34E	643627	3575897	2496	767	290	477

Average Depth to Water: **268 feet**
Minimum Depth: **200 feet**
Maximum Depth: **330 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 641579.66 **Northing (Y):** 3574469.199 **Radius:** 2500

APPENDIX C
SAMPLING PROTOCOL
&
FIELD NOTES

Souder, Miller & Associates ♦ 201 S. Halagueno ♦ Carlsbad, NM 88220
(575) 689-8801

Sampling Protocol

Representatives from SMA chose the Judgmental Sampling Method as described in EPA's Final Sampling Guidance for SW-846, 2002 to adequately quantify contaminant concentrations on Cotton Draw Unit #294H Location. The utility of this particular method functions on the sufficient knowledge of the contaminant, which we possess. This design is also useful when identifying the composition of a release, which we have documented. In addition, this sampling design was chosen for this project because of the locations uniform soil type, and the several operational considerations (such as the liner within the battery and the construction of a new facility) that precluded the implementation of a different statistical design.

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis. A total of eight (8) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

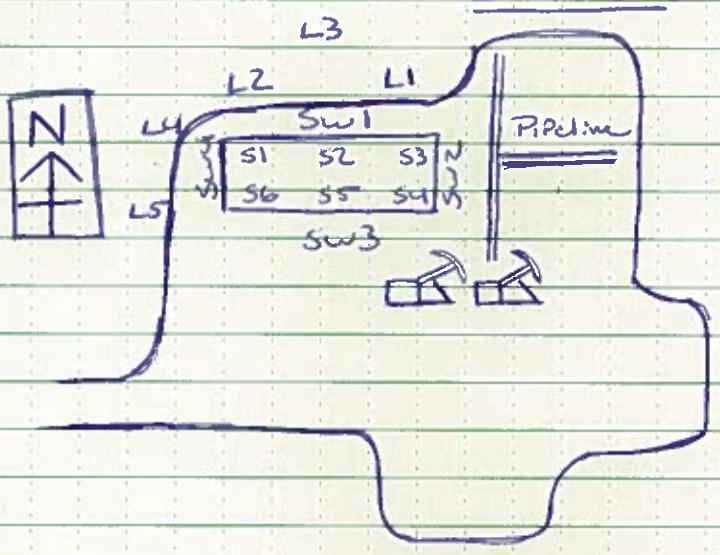
COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

White Dove 17
Federal Com 2H/3H
8/24/20

Samples were taken at White Dove 17 Federal Com 2H/3H in order to delineate spills that occured in 2018. Pasture samples tested clean of chlorides + TPH. Attention was focused on northwest corner of pad to further isolate area of spill. A total of six sample locations were investigated with a rock-bar and hand auger from surface level to depths of 1-foot bgs. Surface samples tested high for chloride and TPH contamination, but were found to test at an acceptable NMOCD criteria. Pasture samples L1-L5 will be used to show that the pasture location has not been compromised. Samples S1-S6 will be used to show vertical delineation, and Sw1-Sw4 are used to show horizontal delineation.

Soil Types: Pasture: Fine-grained silty sand with limited organic material.

On-Pad: First few inches of pad soil are a poorly-sorted limestone gravel mix. Soil becomes more sandy and well-sorted at 1'.

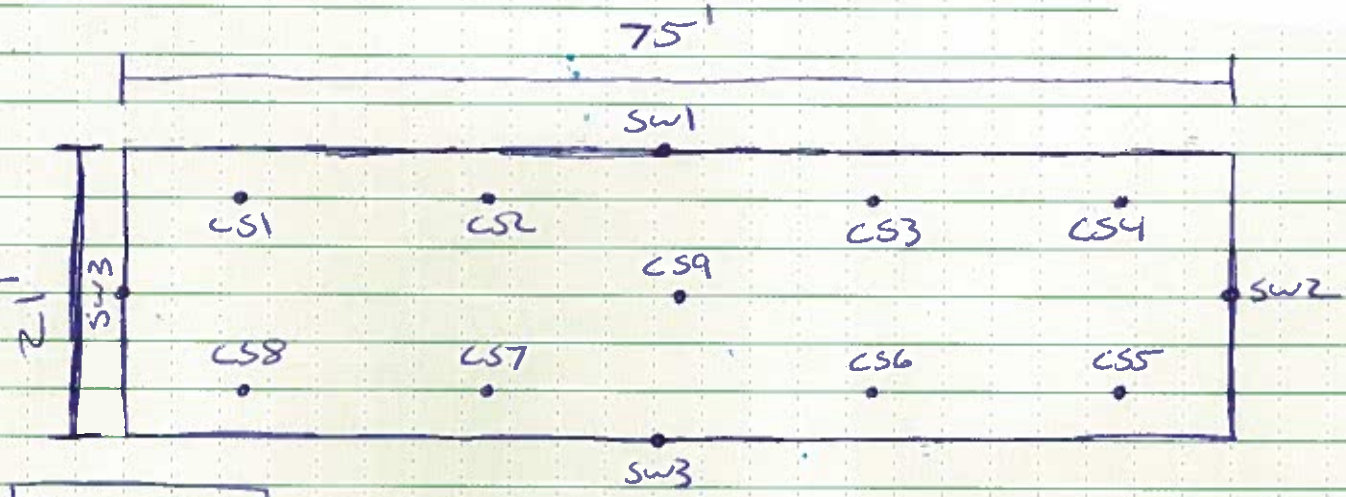


White Dove 17
Federal Com 2H/3H
10/21/20

Excavation:

Arrived at 9am and met with MMX crew to discuss excavation. Used white marking Paint to display area of excavation around initial Sample locations S1-S6. Did not start dig until 9:30am in order to wait for OCD. They did not arrive, So excavation began. Provided manifests for crew to dispose of Contaminated Soil at Northern Delaware Basin Landfill.

Total excavation measured at 21' x 75' x 1.5'. A total of nine Confirmation Samples were taken at the base of pit, while (4) four Sidewalls Confirmation Samples were taken. Cleared away detritus left over from excavation before Samples were collected



Soil type: First few inches are poorly Sorted limestone gravel. 1' and beyond were fine grained and well Sorted reddish brown Sand.

N

CS1 - CS9 = Collected @ 1.5' bgs

SW1 - SW4 = Collected @ 0-1.5 bgs

APPENDIX D

LABORATORY ANALYTICAL REPORTS

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Souder Miller Associates - Carlsbad

Samples Received: 8/26/2020

Job Number: 19026-0001

Work Order: P008088

Project Name/Location: White Dove 17 Fed Com #2 &3

Report Reviewed By: Date: 9/1/20

Walter Hinchman, Laboratory Director

NELAP ACCREDITED TNI LABORATORY

Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.
Envirotech, Inc, holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc, holds the Texas TNI certification T104704557-19-2 for the data reported.

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Sample Summary

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
L1-Surface	P008088-01A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
L2-Surface	P008088-02A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
L3-Surface	P008088-03A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
L4-Surface	P008088-04A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
L5-Surface	P008088-05A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S1-Surface	P008088-06A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S1-1'	P008088-07A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S2-Surface	P008088-08A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S2-1'	P008088-09A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S3- Surface	P008088-10A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S3-1	P008088-11A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S4-Surface	P008088-12A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S4-1'	P008088-13A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S5-Surface	P008088-14A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
S6-Surface	P008088-15A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
SW1	P008088-16A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
SW2	P008088-17A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
SW3	P008088-18A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.
SW4	P008088-19A	Soil	08/24/20	08/26/20	Glass Jar, 4 oz.

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

L1-Surface
P008088-01 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*99.4 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*87.4 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane	*99.2 %*	*50-200*		*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**45.6**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

L2-Surface
P008088-02 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*98.3 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*86.5 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane	*98.5 %*	*50-200*		*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**20.7**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

L3-Surface
P008088-03 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*98.8 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*87.8 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane	*102 %*	*50-200*		*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	ND	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

L4-Surface
P008088-04 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane		*98.7 %*	*50-200*	*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**67.3**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

L5-Surface
P008088-05 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane		*103 %*	*50-200*	*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	ND	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S1-Surface
P008088-06 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	**0.0497**	0.0250	1	08/27/20	08/31/20		
Total Xylenes	**0.0497**	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**133**	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	**767**	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane		*102 %*	*50-200*	*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**401**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S1-1'
P008088-07 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.2 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane		*104 %*	*50-200*	*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**113**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S2-Surface
P008088-08 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*98.9 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*88.2 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**50.2**	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	**155**	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane	*106 %*	*50-200*		*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**1180**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S2-1'
P008088-09 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.8 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/28/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/28/20		
Surrogate: n-Nonane		*94.9 %*	*50-200*	*08/27/20*	*08/28/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**113**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S3- Surface
P008088-10 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**141**	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	**178**	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*101 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**771**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S3-1
P008088-11 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*97.5 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*87.3 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane	*108 %*	*50-200*		*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**299**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S4-Surface
P008088-12 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*98.6 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*88.6 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**88.5**	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	**110**	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane	*102 %*	*50-200*		*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**1080**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S4-1'
P008088-13 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID	*94.8 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	*88.8 %*	*50-150*		*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane	*95.5 %*	*50-200*		*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**271**	20.0	1	08/27/20	08/28/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S5-Surface
P008088-14 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**120**	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	**202**	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*106 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**67.8**	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

S6-Surface
P008088-15 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	**44.5**	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	**94.4**	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*104 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**83.8**	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

SW1
P008088-16 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.2 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*112 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	ND	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

SW2
P008088-17 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.5 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*106 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	ND	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

SW3
P008088-18 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	08/31/20		
Toluene	ND	0.0250	1	08/27/20	08/31/20		
Ethylbenzene	ND	0.0250	1	08/27/20	08/31/20		
p,m-Xylene	ND	0.0500	1	08/27/20	08/31/20		
o-Xylene	ND	0.0250	1	08/27/20	08/31/20		
Total Xylenes	ND	0.0250	1	08/27/20	08/31/20		
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	08/31/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*50-150*	*08/27/20*	*08/31/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*105 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	**36.2**	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

SW4

P008088-19 (Solid)

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg				Batch:	2035031
Benzene	ND	0.0250	1	08/27/20	09/01/20		
Toluene	ND	0.0250	1	08/27/20	09/01/20		
Ethylbenzene	ND	0.0250	1	08/27/20	09/01/20		
p,m-Xylene	ND	0.0500	1	08/27/20	09/01/20		
o-Xylene	ND	0.0250	1	08/27/20	09/01/20		
Total Xylenes	ND	0.0250	1	08/27/20	09/01/20		
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*50-150*	*08/27/20*	*09/01/20*		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg				Batch:	2035031
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/20	09/01/20		
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*50-150*	*08/27/20*	*09/01/20*		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg				Batch:	2035035
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/20	08/29/20		
Oil Range Organics (C28-C40)	ND	50.0	1	08/27/20	08/29/20		
Surrogate: n-Nonane		*112 %*	*50-200*	*08/27/20*	*08/29/20*		
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Batch:	2035032
Chloride	ND	20.0	1	08/27/20	08/29/20		

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Volatile Organics by EPA 8021B - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035031-BLK1)									Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.9*	*50-150*			
LCS (2035031-BS1)									Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Benzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.13	0.0250	5.00		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.28*		*8.00*		*103*	*50-150*			
Matrix Spike (2035031-MS1)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Benzene	5.36	0.0250	5.00	ND	107	54-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
Ethylbenzene	5.35	0.0250	5.00	ND	107	61-133			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
o-Xylene	5.40	0.0250	5.00	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*50-150*			
Matrix Spike Dup (2035031-MSD1)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Benzene	4.92	0.0250	5.00	ND	98.5	54-133	8.48	20	
Toluene	4.92	0.0250	5.00	ND	98.3	61-130	9.10	20	
Ethylbenzene	4.89	0.0250	5.00	ND	97.9	61-133	8.95	20	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	9.56	20	
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131	8.92	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	9.35	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*50-150*			

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Nonhalogenated Organics by EPA 8015D - GRO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035031-BLK1)									Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.1*	*50-150*			
LCS (2035031-BS2)									Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.8*	*50-150*			
Matrix Spike (2035031-MS2)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*50-150*			
Matrix Spike Dup (2035031-MSD2)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/31/20 1
Gasoline Range Organics (C6-C10)	41.3	20.0	50.0	ND	82.6	70-130	9.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.00*		*8.00*		*87.6*	*50-150*			

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Nonhalogenated Organics by EPA 8015D - DRO/ORO - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035035-BLK1)									Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			
LCS (2035035-BS1)									Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Diesel Range Organics (C10-C28)	495	25.0	500		99.0	38-132			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*50-200*			
Matrix Spike (2035035-MS1)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Diesel Range Organics (C10-C28)	473	25.0	500	ND	94.7	38-132			
Surrogate: n-Nonane	*48.5*		*50.0*		*97.0*	*50-200*			
Matrix Spike Dup (2035035-MSD1)				**Source: P008088-01**					Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Diesel Range Organics (C10-C28)	472	25.0	500	ND	94.4	38-132	0.281	20	
Surrogate: n-Nonane	*53.8*		*50.0*		*108*	*50-200*			

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Anions by EPA 300.0/9056A - Quality Control

Analyte	Result	Reporting Limit	Spike Level	Source Result	REC	REC Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2035032-BLK1)									Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Chloride	ND	20.0							
LCS (2035032-BS1)									Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2035032-MS1)					**Source: P008088-01**				Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Chloride	309	20.0	250	45.6	105	80-120			
Matrix Spike Dup (2035032-MSD1)					**Source: P008088-01**				Prepared: 08/27/20 1 Analyzed: 08/28/20 1
Chloride	308	20.0	250	45.6	105	80-120	0.276	20	

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

envirotech
Analytical Laboratory

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed Com #2 &3	
201 S Halagueno St.	Project Number:	19026-0001	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	09/01/20 14:47

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 2

Client:	SMA
Project:	White Dove 17 Fed Com #223
Project Manager:	Ashley Maxwell
Address:	201 S. Halagueno St.
City, State, Zip	Carlsbad, NM 88220
Phone:	(619) 721-4813
Email:	Sebastian.Orozco@Seidermiller.com
Report due by:	

Bill To

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

Lab Use Only

Lab WO# P008088 | Job Number 19026-0001

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM (X) | CO | UT | AZ | TX | OK

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
12:00	8/24/20	Soil	1-4oz	L1 - Surface	1			X			X	X		
12:05				L2 - Surface	2									
12:10				L3 - Surface	3									
12:15				L4 - Surface	4									
12:20				L5 - Surface	5									
12:30				S1 - Surface	6									
12:43				S1 - 1'	7									
12:35				S2 - Surface	8									
12:50				S2 - 1'	9									
12:40				S3 - Surface	10									

Additional Instructions: Bill to Devon

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sebastian O.	8/25/20	1309		8.25.2020	1309
	8.25.2020	1636		8/26/20	11:00

Lab Use Only — Received on ice: Y / N — T1 — T2 — T3 — AVG Temp °C 4.0

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

Client: SMA	Bill To
Project: White Dove 17 Fed Com #223	Attention:
Project Manager: Ashley Maxwell	Address:
Address: 201 S. Halagueno St.	City, State, Zip
City, State, Zip Carlsbad, NM 88220	Phone:
Phone: (619) 721-4813	Email:
Email: Sebastian.Orozco@Souldermiller.com	
Report due by:	

Lab Use Only		TAT		EPA Program		
Lab WO# P008088	Job Number 19026-0001	1D	3D	RCRA	CWA	SDWA

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

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
12:55	8/24/20	Soil	1-4oz	S3-1	11			X			X	X		
1:00	"	"	"	S4-Surface	12			"			"	"		
1:05	"	"	"	S4-1'	13			"			"	"		
1:10	"	"	"	S5-Surface	14			"			"	"		
1:15	"	"	"	S6-Surface	15			"			"	"		
1:20	"	"	"	SW1	16			"			"	"		
1:30	"	"	"	SW2	17			"			"	"		
1:35	"	"	"	SW3	18			"			"	"		
1:38	"	"	"	SW4	19			"			"	"		
								"			"	"		

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Sebastian O.	8/25/20	1309		8-25-2020	1309
	8/25/2020	1636			

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

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

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

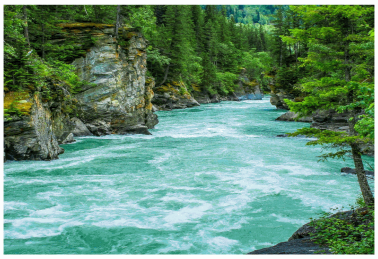
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this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

envirotech Analytical Laboratory
5796 US Highway 64 Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Report to:

Ashley Maxwell

201 S Halagueno St.
Carlsbad, NM 88220



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name:	White Dove 17 Fed 2H + 3H
Work Order:	E010019
Job Number:	01058-0007
Received:	10/6/2020

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/12/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM009792018-1 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/12/20

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220

Project Name: White Dove 17 Fed 2H + 3H
Workorder: E010019
Date Received: 10/6/2020 9:35:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/6/2020 9:35:00AM, under the Project Name: White Dove 17 Fed 2H + 3H.

The analytical test results summarized in this report with the Project Name: White Dove 17 Fed 2H + 3H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Lopez
Laboratory Administrator
Office: 505-632-1881
rlopez@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page 1

Cover Page 2

Table of Contents 3

Sample Summary 4

Sample Data 5

- CS1 5
- CS2 6
- CS3 7
- CS4 8
- CS5 9
- CS6 10
- CS7 11
- CS8 12
- CS9 13
- SW1 14
- SW2 15
- SW3 16
- SW4 17

QC Summary Data 18

- QC - Volatile Organics by EPA 8021B 18
- QC - Nonhalogenated Organics by EPA 8015D - GRO 19
- QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO 20
- QC - Anions by EPA 300.0/9056A 21

Definitions and Notes 22

Chain of Custody etc. 23

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/20 13:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E010019-01A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS2	E010019-02A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS3	E010019-03A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS4	E010019-04A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS5	E010019-05A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS6	E010019-06A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS7	E010019-07A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS8	E010019-08A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
CS9	E010019-09A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
SW1	E010019-10A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
SW2	E010019-11A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
SW3	E010019-12A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.
SW4	E010019-13A	Soil	10/02/20	10/06/20	Glass Jar, 4 oz.

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS1

E010019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/08/20	
Toluene	ND	0.0250	1	10/07/20	10/08/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/08/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/08/20	
o-Xylene	ND	0.0250	1	10/07/20	10/08/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/08/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/07/20*	*10/08/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/08/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.1 %*	*70-130*	*10/07/20*	*10/08/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*94.2 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS2

E010019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	**0.0804**	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	**0.0300**	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	**0.0810**	0.0500	1	10/07/20	10/09/20	
o-Xylene	**0.0321**	0.0250	1	10/07/20	10/09/20	
Total Xylenes	**0.113**	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS3

E010019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.0 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS4

E010019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*94.8 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS5

E010019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.9 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*87.9 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS6

E010019-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*98.7 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*101 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/08/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS7

E010019-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*93.2 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS8

E010019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.0 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*94.9 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

CS9

E010019-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*95.0 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.6 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

SW1

E010019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/08/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/08/20	
Surrogate: n-Nonane		*115 %*	*50-200*	*10/08/20*	*10/08/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

SW2

E010019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.7 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/09/20	
Surrogate: n-Nonane		*94.4 %*	*50-200*	*10/08/20*	*10/09/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

SW3

E010019-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.5 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/09/20	
Surrogate: n-Nonane		*138 %*	*50-200*	*10/08/20*	*10/09/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

SW4

E010019-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Benzene	ND	0.0250	1	10/07/20	10/09/20	
Toluene	ND	0.0250	1	10/07/20	10/09/20	
Ethylbenzene	ND	0.0250	1	10/07/20	10/09/20	
p,m-Xylene	ND	0.0500	1	10/07/20	10/09/20	
o-Xylene	ND	0.0250	1	10/07/20	10/09/20	
Total Xylenes	ND	0.0250	1	10/07/20	10/09/20	
Surrogate: 4-Bromochlorobenzene-PID		*96.2 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RS			Batch: 2041018
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/07/20	10/09/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.1 %*	*70-130*	*10/07/20*	*10/09/20*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2041016
Diesel Range Organics (C10-C28)	ND	25.0	1	10/08/20	10/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/08/20	10/09/20	
Surrogate: n-Nonane		*92.6 %*	*50-200*	*10/08/20*	*10/09/20*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2041022
Chloride	ND	20.0	1	10/07/20	10/09/20	

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2041018-BLK1)									Prepared: 10/07/20 Analyzed: 10/08/20
Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.75*		*8.00*		*96.8*	*70-130*			
LCS (2041018-BS1)									Prepared: 10/07/20 Analyzed: 10/08/20
Benzene	5.43	0.0250	5.00		109	70-130			
Toluene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.67	0.0250	5.00		113	70-130			
p,m-Xylene	11.5	0.0500	10.0		115	70-130			
o-Xylene	5.76	0.0250	5.00		115	70-130			
Total Xylenes	17.2	0.0250	15.0		115	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.40*		*8.00*		*105*	*70-130*			
Matrix Spike (2041018-MS1)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/08/20
Benzene	4.72	0.0250	5.00	ND	94.5	54-133			
Toluene	4.97	0.0250	5.00	ND	99.4	61-130			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.52*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2041018-MSD1)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/09/20
Benzene	4.98	0.0250	5.00	ND	99.6	54-133	5.26	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	4.77	20	
Ethylbenzene	5.22	0.0250	5.00	ND	104	61-133	3.97	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	3.68	20	
o-Xylene	5.32	0.0250	5.00	ND	106	63-131	3.91	20	
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131	3.76	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.46*		*8.00*		*106*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2041018-BLK1)									Prepared: 10/07/20 Analyzed: 10/08/20
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.11*		*8.00*		*88.9*	*70-130*			
LCS (2041018-BS2)									Prepared: 10/07/20 Analyzed: 10/08/20
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.95*		*8.00*		*86.9*	*70-130*			
Matrix Spike (2041018-MS2)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/09/20
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.18*		*8.00*		*89.7*	*70-130*			
Matrix Spike Dup (2041018-MSD2)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/09/20
Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.7	70-130	2.06	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.09*		*8.00*		*88.7*	*70-130*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2041016-BLK1)									Prepared: 10/08/20 Analyzed: 10/08/20
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	*49.9*		*50.0*		*99.9*	*50-200*			
LCS (2041016-BS1)									Prepared: 10/08/20 Analyzed: 10/08/20
Diesel Range Organics (C10-C28)	445	25.0	500		89.1	38-132			
Surrogate: n-Nonane	*49.2*		*50.0*		*98.4*	*50-200*			
Matrix Spike (2041016-MS1)				**Source: E010019-01**					Prepared: 10/08/20 Analyzed: 10/08/20
Diesel Range Organics (C10-C28)	452	25.0	500	ND	90.3	38-132			
Surrogate: n-Nonane	*47.0*		*50.0*		*94.0*	*50-200*			
Matrix Spike Dup (2041016-MSD1)				**Source: E010019-01**					Prepared: 10/08/20 Analyzed: 10/08/20
Diesel Range Organics (C10-C28)	434	25.0	500	ND	86.8	38-132	3.97	20	
Surrogate: n-Nonane	*46.2*		*50.0*		*92.5*	*50-200*			

QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	**Reported:**
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/2020 1:30:39PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2041022-BLK1)									Prepared: 10/07/20 Analyzed: 10/09/20
Chloride	ND	20.0							
LCS (2041022-BS1)									Prepared: 10/07/20 Analyzed: 10/08/20
Chloride	243	20.0	250		97.0	90-110			
Matrix Spike (2041022-MS1)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/08/20
Chloride	249	20.0	250	ND	99.7	80-120			
Matrix Spike Dup (2041022-MSD1)				**Source: E010019-01**					Prepared: 10/07/20 Analyzed: 10/08/20
Chloride	250	20.0	250	ND	99.9	80-120	0.244	20	

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

Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	White Dove 17 Fed 2H + 3H	
201 S Halagueno St.	Project Number:	01058-0007	**Reported:**
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	10/12/20 13:30

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

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

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

Project Information | Chain of Custody | Page 1 of 2

Client:	SMA - Carlsbad
Project:	White Dove 17 Fed 2H+3H
Project Manager:	Ashley Maxwell
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Lupe Carrasco
Address:	
City, State, Zip	
Phone:	575-725-0787
Email:	Lupe.Carrasco@dvn.com

Lab Use Only

Lab WO#	Job Number
E010019	31058'0007

TAT: 1D | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
9:05	10/2	Soil	1-4oz	CS1	1													NM X; TX
9:10	"	"	"	CS2	2													
9:15	"	"	"	CS3	3													
9:20	"	"	"	CS4	4													
9:25	"	"	"	CS5	5													
9:30	"	"	"	CS6	6													
9:35	"	"	"	CS7	7													
9:40	"	"	"	CS8	8													
9:45	"	"	"	CS9	9													
9:50	"	"	"	SW1	10													

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
TR Smith	10/5/20	11:45		10.5.2020	1145
	10.5.2020	1640		10/6/20	9:35

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4.0

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Project Information | Chain of Custody | Page 2 of 2

Client:	SM A - Carlsbad
Project:	White Dove 17 Fed 2H + 3H
Project Manager:	Ashley Maxwell
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	Lupe. Corresco
Address:	
City, State, Zip	
Phone:	575-725-0787
Email:	Lupe. Corresco @Dvn.com

Lab Use Only

Lab WO#	Job Number
E010019	01058-0007

TAT

1D	3D

EPA Program

RCRA	CWA	SDWA

State

NM	CO	UT	AZ
X			
TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC - TX			Remarks
9:55	10/2	Soil	1-4oz	SW2	11									1				
10:00	"	"	"	SW3	12									"				
10:05	"	"	"	SW4	13									"				

Analysis and Method

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
PR Smith	10/5/20	16:45		10.5.2020	1145
	10.5.2020	1640		10/6/20	9:35

Lab Use Only

Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

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

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

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

envirotech Analytical Laboratory
5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone: (800) 362-1879
Ph: (505) 632-1881 Fx: (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/6/2020 3:19:53PM

Sample Receipt Checklist (SRC)

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	10/06/20 09:35	Work Order ID:	E010019
Phone:	(575) 200-5443	Date Logged In:	10/06/20 15:12	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	10/12/20 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Fed Ex
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

APPENDIX E
PHOTO LOG


NE
330
0
30
60
21°N (T) 32.29823, -103.49658 ±2 m 1041 m


0
30
60
90
33°N (T) 32.298235, -103.496581 ±1 m 1040 m
02 Oct 2020, 09:49:1


E
30
90
60°NE (T) 32.298235, -103.496581 ±1 m 1040 m
02 Oct 2020, 09:49:2


E
30
60
90
120
81°E (T) 32.298287, -103.496594 ±1 m 1034 m

E 30 60 90 120 E

79°E (T) 32.298256, -103.496526 ±2 m 1035 m


E
30
60
90
60°NE (T) 32.298276, -103.496483 ±1 m 1035 m


N
E
0
30
60
90
57°NE (T) 32.298252, -103.496518 ±3 m 1039 m


E
30
60
90
120
72°NE (T) 32.298284, -103.496474 ±8 m 1031 m


W
210
240
270
300
247°SW (T) 32.298317, -103.496314 ±2 m 1038 m


W
210
240
270
300
264°W (T) 32.298301, -103.496308 ±2 m 1037 m
02 Oct 2020, 12:24

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 10826

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
PIMA ENVIRONMENTAL SERVICES, L 1601 N. Turner Suite 500 Hobbs, NM88240	329999	10826	C-141

OCD Reviewer	Condition
chensley	None