

January 29, 2024

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

Re: Remediation Work Plan ConocoPhillips (Heritage COG Operating, LLC) West Brushy 8 Federal SWD #001 Release Unit Letter A, Section 08, Township 26 South, Range 29 East Eddy County, New Mexico Incident ID# nAB1619432451 2RP-3774

Ms. Hall,

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (ConocoPhillips) to evaluate a historical Heritage COG Operating, LLC (COG) release and subsequent remedial actions performed at the West Brushy 8 Federal SWD #001 release site (API No. 30-015-31675). The release footprint is located in Public Land Survey System (PLSS) Unit Letter A, Section 08, Township 26 South, Range 29 East, in Eddy County, New Mexico (Site). The approximate release point coordinates are 32.063500°, -103.997560°, as shown on Figures 1 and 2. The release extent provided in prior reporting is located approximately 450 feet northeast of the coordinates provided in the initial spill report. The site is located on federal lands managed by the Bureau of Land Management (BLM). The release occurred from a COG flowline on a facility operated by a third party.

#### BACKGROUND

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, the release was discovered on July 3, 2016. The release was caused by a damaged poly flowline. This release occurred in the pasture alongside the road and consisted of approximately 25 bbls of produced water of which 0 bbls were recovered. The initial C-141 states that the dry weather and soil conditions made recovery of fluid difficult. The faulty portion of the line was cut out and replaced during the initial response actions. The approximate release extent is shown in Figure 3.

The NMOCD approved the initial C-141 on July 11, 2016, and subsequently assigned the release the Incident ID nAB1619432451 and the remediation permit (RP) number 2RP-3774. This incident is included in an Agreed Compliance Order-Releases (ACO-R) between Concho and the NMOCD signed on November 20 and 26, 2018, respectively. The initial C-141 form is included in Appendix A.

#### HISTORICAL FILE REVIEW

The NMOCD online imaging files associated with 2RP-3774 include a Sundry Notice of Intent (Form 3160-5) for remediation activities submitted by COG on July 8, 2016. NMOCD district II staff conducted a site inspection for the nAB1619432451 incident and documented their findings in a Site Inspection Photo Documentation Report dated July 12, 2016. Copies of the Sundry Notice and the NMOCD photo documentation report are included in Appendix B.

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Email correspondence discovered in the NMOCD online imaging files for an adjacent and overlapping release at the West Brushy 8 Federal SWD #001 (nAB1715742101/2RP-4240) included additional information regarding the nAB1619432451/2RP-3774 release. An email chain from February-March, 2017, between the NMOCD and BBC International, Inc. (BBC) indicates that BBC, on behalf of COG, submitted a remediation proposal for the nAB1619432451/2RP-3774 release that would also address an earlier release at the Site (nAB1529948530/2RP-3353). In regard to this remediation proposal and nAB1619432451/2RP-3774, Mr. Mike Bratcher of the NMOCD states in an email dated February 9, 2017:

"This release that BBC has submitted a remediation proposal on (2RP-3774) covered an earlier release at this site (2RP-3353), only this one covered a much larger area than the first one. The second attachment is what was submitted to OCD at the time, and it was COG's stance then, that the site could not be delineated or remediated due to the gas lines and flowlines that ran through the area. COG had requested a deferral. This may be a question for Cliff, but with the gas lines that have been identified on the plat, and the obvious dozen or so surface poly lines that run through the release area, is the proposed remediation going to be able to accomplish? If so, I suggest that once completed, the closure also include the first release, and possibly get them both closed."

In an email dated March 1, 2017, Mr. Cliff Brunson of BBC responded:

"We are still confirming that we will be able to accomplish the approved remediation by attempting to set a meeting with the line operators and verify that a two foot excavation mostly by hand will be acceptable to them and if so, then yes, we will incorporate the first release (2RP-3353) in the closure. I will keep you updated."

In an email dated June 13, 2017 regarding a subsequent release (nAB1715742101/2RP4240), Ms. Crystal Weaver of the NMOCD requested an update on the status of the nAB1619432451/2RP-3774 release. Included in an email approval of the delineation work plan for the nAB1715742101/2RP4240 on February 16, 2018, Ms. Weaver states:

"I measured on my map that this release has a proximity of 1400÷/- to the bank of the Pecos River and is on a steep elevational raise that appears to have a seamless downgrade starting from the boundary area of the release going to the river, because this release has sat for some time and because it has a sister release that has some overlap (2RP-3774) and that release has sat for even longer OCD would like to request a prompt submission of work plan be remitted for the older 2RP-3774 release (since one was never received) and requests that if practicable the two releases be remediated at the same time."

Follow-up email correspondence from Mike Bratcher of the NMOCD on February 22, 2018 included the following information:

"After consulting with Ms. Weaver and going over the previous releases at this site, this proposal (2RP-4240) is approved as submitted. Some of the data and information from the previous releases was not available to Ms. Weaver when she reviewed this proposal and was my fault. Since there are several releases to be addressed relative to this site, OCD notes the open RP numbers, and status, as follows:

- 2RP-3353 and 2RP-3774 releases cover basically the same area and have approved remediation proposals.
- 2RP-4094 has an approved remediation proposal.
- 2RP-4330 has an approved remediation proposal.
- 2RP-4240 now has an approved remediation proposal.

It is OCD's understanding that all the releases associated with this site, as listed above, will be addressed upon mobilization to the site, and that mobilization will occur in the very near future. Please advise once that has been scheduled. Also, please advise if this information is not as reflected in COG records.

In addition, for future reference, when performing vertical delineation and transitioning from conventional delineation to utilizing boring equipment, please attempt where possible, to obtain samples in a manner that does not leave gaps in the analytical data. OCD would prefer to see uniform data throughout the delineation process.

Federal sites will require like approval from BLM, if not previously obtained."

Copies of the available regulatory correspondence are included as Appendix B.

#### 2017 BBC SITE ASSESSMENT AND WORK PLAN APPROVAL

The approved remediation proposal for nAB1619432451/2RP-3774 and nAB1529948530/2RP-3353 that Mr. Bratcher refers to in this email from February 22, 2018, is not included in the NMOCD online incident files for either release incident, and ConocoPhillips was not able to locate a copy in a review of historical COG files. The submission of this remediation proposal is documented in the February 7, 2017 email from Mr. Cliff Brunson to Mr. Bratcher, but the proposal document included as an attachment to this email was not available in the copy of the email chain that Tetra Tech located. Tetra Tech contacted Mr. Brunson of BBC to request a copy of the file, but he was not able to provide a copy of the remediation proposal either. However, Mr. Brunson was able to provide laboratory analytical data associated with initial assessment activities performed at the Site in January 2017.

The January 2017 laboratory analytical report indicates that BBC personnel conducted release assessment activities on January 19-20, 2017. Soil samples were collected from twelve (12) locations within the release extent (SP1 through SP12) and four (4) locations along the perimeter of the release (East, West, South, and North Samples). The BBC sampling locations were provided in subsequent closure reporting for the release and are presented in Figure 3 of this report.

A total of forty-three (43) soil samples were collected from the sixteen (16) sampling locations and submitted to Cardinal Laboratories in Hobbs, New Mexico (Cardinal) for analysis. A copy of the laboratory analytical report is included in Appendix C.

Analytical results associated with samples collected during the 2017 BBC assessment activities are summarized in Table 1. Analytical results were above the reclamation limit for chloride (600 mg/kg) in surface (0-4 feet bgs) soils at eight (8) of the sampling locations (SP5 through SP12).

#### REMEDIAL ACTION, 2019 CLOSURE REPORT, AND NMOCD REJECTION

The West Brushy 8 Federal SWD #001 facility was subject to numerous releases in the period between 2015 and 2017. Based on available correspondence, BBC bundled several incidents into one remedial action. Post-assessment, BBC began the excavation of impacted soils in pasture. A Closure Report prepared by BBC states that excavation activities were completed in accordance with the approved work plans for each release. Areas of the release extent were reportedly excavated to 2-3 feet bgs in accordance with the approved remediation proposal. Photographs of the excavated and backfilled areas were included in the Closure Report. A copy of the Closure Report is included as Appendix D.

The figure provided in the Closure Report for Incident nAB1619432451 indicates that the majority of the release extent was excavated to 2 feet bgs. The area of SP9 was excavated to 3 feet bgs with a field titration sample to establish that a chloride concentration of 1,000 ppm was achieved. The areas characterized by sample locations SP1-SP2 and SP3-SP4 were below reclamation limits and did not require remedial action.

The Closure Report for four separate releases that occurred at the West Brushy 8 Federal SWD #001 Site, including Incident nAB1619432451, was submitted on January 22, 2019. The Closure Report was rejected by NMOCD for Incident nAB1619432451 on May 1, 2023 with the following comments:

- "Email correspondence provided by operator stated that an email dated 2/22/2018 an email from OCD personnel stated "2RP-3353 and 2RP-3774 releases cover basically the same area and have approved remediation proposals". Based on the information found under 2RP-3353 (NAB1529948530) closed was not approved in 2016.
- The closure report is not clear as to what activities occurred for remediation of this site.
- Submit a complete report though the OCD Permitting website by 8/1/2023.
- 2RP-3774 closed. Refer to incident #NAB1619432451 in all future communication."

Two extension requests have been approved for this release incident since the May 1, 2023 rejection was received. The final extension request, approved via email on October 31, 2023, extended the due date to January 30, 2024. Copies of the NMOCD correspondence are included in Appendix B.

#### SITE CHARACTERIZATION

The Site Characterization performed by BBC at the time of the assessment activities (and ensuing proposed work plans) for the other three (3) release incidents included in the 2019 BBC Closure Report established a depth to groundwater at 75 feet bgs based on the New Mexico Office of the State Engineer (NMOSE) reporting system. This Site Characterization was accepted when the work plans were approved.

Given the age of the release and the associated actions, a contemporized site characterization was performed and no sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, streams, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). The Site is in an area of medium karst potential. The Pecos River is located approximately 1,800 feet northwest of the Site. Two NMOSE stream bodies are located approximately 600 and 1,000 feet from the release areas, respectively.

There are no water wells listed in the NMOSE database located within approximately ½ mile (800 meters) of the site. According to data from two (2) wells listed in the NMOSE database located approximately 1.5 miles (2,400 meters) from the Site, groundwater was encountered at a minimum depth of 75 feet below ground surface (bgs). The Site characterization data is presented in Appendix E.

ConocoPhillips has initiated the permitting process to install a depth-to-water (DTW) boring in case the NMOCD and BLM determines that one is necessary to establish RRALs based on depth to groundwater in accordance with Table I of 19.15.29.12 NMAC.

#### **REGULATORY FRAMEWORK**

Based upon the lack of groundwater data within a ½ mile radius and the proximity to the Pecos River and stream bodies, in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, depth to groundwater, and in accordance with Table I of 19.15.29.12 NMAC, the recommended remedial action levels (RRALs) for the Site are as follows:

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Constituent	Site RRALs
Chloride	10,000 mg/kg
TPH	2,500 mg/kg
BTEX	50 mg/kg

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule* (19.15.29 NMAC) (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

Constituent	<b>Reclamation Requirements</b>
Chloride	600 mg/kg
ТРН	100 mg/kg

#### **EVALUATION OF REMEDIAL ACTION**

Following receipt of the Closure Report rejection, ConocoPhillips engaged Tetra Tech to review all available historical documentation for all release incidents associated with the West Brushy 8 Federal SWD #001 facility, and to perform visual site inspections of the numerous release incidents in order to ascertain the extent of the remedial actions taken by BBC. No associated laboratory analytical data or other evidence of confirmation sampling was discovered during the file review.

Tetra Tech personnel visited the release site in February and August 2023 in order to geolocate the photographs of excavated and backfilled areas included in the Closure Report and to determine current site conditions. Photographic documentation of the 2018 remedial activities and the 2023 site conditions is presented in Appendix F.

The remediated area reported by BBC in the 2019 Closure Report map for the nAB1619432451 release incident was corroborated by the photographs included in the Closure Report as well as observations made during the 2023 visual site inspections. Vegetative growth was observed in portions of the remediated extent, and no staining or other visible evidence of the release were present at the time of the site inspections. Portions of the remediated extent are located in areas of active oil and gas operations that are not intended for vegetative growth until final reclamation takes place. The remediated areas observed in the photographic documentation included with the 2019 BBC Closure Report are presented in Figure 4.

#### 2023-2024 ADDITIONAL ASSESSMENT ACTIVITIES

Tetra Tech conducted additional assessment sampling at the Site on behalf of ConocoPhillips in order to evaluate current soil concentrations and confirm the reported remedial actions taken at the nAB1619432451 release Site, as well as the two adjacent and overlapping historical releases (incident IDs nAB1715742101 and nAB1529948530). The nAB1619432451 release extent largely encompasses both of the other two historical release footprints. On September 21, 2023 Tetra Tech installed fifteen (15) hand auger borings (AH-23-1 through AH-23-15) to depths ranging from 1 to 4 feet bgs in a cross section pattern across the release extent of the overlapping nAB1715742101 incident.

Tetra Tech personnel returned to the Site on November 30, 2023 to install two (2) soil trenches (T-1 and T-5) in the northern drainage area in an attempt to vertically delineate the release in this area, as well as two (2) hand auger borings (AH-23-16 and AH-23-17) to further delineate the release horizontally. Due to the proximity of a buried Energy Transfer pipeline, the soil trenches were placed 25 feet east of the buried line and were not centered within the release extent.

In coordination with all third-party utility operators in the area, Tetra Tech personnel returned to the Site on January 4-5, 2024 to install an additional sixteen (16) soil trenches (T-24-1 through T-24-16) and four (4) hand auger borings (H-24-1 through H-24-4).

Tetra Tech personnel returned to the Site on January 10, 2024 to oversee the installation of six (6) borings with an air rotary drill rig. Boring locations were chosen based on all previous sampling results in order to vertically delineate soil impacts from the various historical releases.

All 2023-2024 sampling locations are presented along with the nAB1715742101 and nAB1529948530 release incident extents in Figure 5. Photographic documentation from the 2023-2024 assessment activities is included as Appendix F.

A total of ninety-seven (97) soil samples were collected from forty-five (45) sampling locations during the four (4) mobilizations and submitted to Cardinal under five (5) separate chain-of-custody and analysis requests to be analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8261B. A copy of the laboratory analytical reports and chain-of-custody documentation for the 2023-2024 sampling events are included in Appendix C.

#### SUMMARY OF SAMPLING RESULTS

Analytical results from the 2023-2024 soil assessment efforts are summarized in Table 2. The analytical results associated with the 0-1 foot bgs soil interval at trench location T-24-6 exceeded the reclamation limit of 100 mg/kg for TPH. There were no other TPH or BTEX results which exceeded the applicable reclamation limits or RRALs in any of the analyzed samples.

Chloride concentrations were detected in surface soils (0-4 feet bgs) at levels above the reclamation limit of 600 mg/kg at seventeen (17) of the sample locations. There were no analytical results associated with subsurface (greater than 4 feet bgs) soils which exceeded the chloride RRAL of 10,000 mg/kg.

The sampling locations which exceeded the reclamation limits were those associated with trench locations T-24-1 through T-24-7, T-24-10 through T-24-11, and T-24-13 through T-24-15. Horizontal and vertical delineation of the release extent using Table I of 19.15.29.12 NMAC constituents was achieved in accordance with 19.15.29.11(5) NMAC as a result of the 2023-2024 sampling events.

#### **REMEDIATION WORK PLAN**

Based on the site characterization, the collected analytical results, and the NMOCD rejection of the 2019 BBC Closure request, ConocoPhillips proposes to remove the impacted material as indicated in Figure 6. The proposed remedial action addresses the nAB1619432451 incident, which is the subject of this report, as well as the two adjacent and overlapping historical releases (incident IDs nAB1715742101 and nAB1529948530).

Impacted soils will be excavated to a maximum depth of 1 foot below surface grade in the areas characterized by sample locations T-24-6, T-24-10, T-24-13, T-24-14, and T-24-15 or until a representative sample from the excavation floor is below the applicable reclamation limit or RRAL for chloride. Impacted soils will be excavated to a maximum depth of 4 feet below surface grade in the areas characterized by sample locations T-24-5, T-24-7, T-24-11, and T-24-16.

Heavy equipment (backhoe and trackhoe) will be utilized to excavate areas outside the immediate vicinity of pressurized lines and will come no more than 4 feet from any pressurized lines. Impacted soils within the vicinity of the surface and subsurface lines will be removed to the maximum extent practicable using non-aggressive excavation methods.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. In accordance with subsection D of 19.15.29.12 NMAC, the responsible party will notify the appropriate division district office prior to conducting confirmation sampling. Confirmation bottom and sidewall samples representative of no more than 400 square feet will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. Once results are received, the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 1,920 cubic yards.

#### SITE RECLAMATION AND RESTORATION PLAN

Once acceptable confirmation sample results are received, the excavation area will then be backfilled with clean topsoil to surface grade. The backfilled areas within pasture areas will be seeded to aid in revegetation. Based on the location of the Site, the seed mixture for LPC Sand/Shinnery Sites will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the BLM will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate. The BLM seed mixture details and corresponding pounds pure live seed per acre are included in Appendix G.

#### CONCLUSION

Based on the results of the additional release delineation activities, ConocoPhillips will remediate impacted areas to 4 feet bgs, as indicated in Figure 6. Horizontal and vertical delineation of the release extent using Table I of 19.15.29.12 NMAC constituents was achieved in accordance with 19.15.29.11(5) NMAC as a result of the 2023-2024 sampling events.

The proposed remediation activities will be conducted within 90 days of acceptance of the proposed plan. Concurrent approval of the proposal remedial action will be obtained from the BLM and the lease holder prior to commencement of the proposed actions. If you have any questions concerning the additional assessment activities for the Site or the proposed remediation work plan, please call me at (512) 338-2861.

Sincerely, **Tetra Tech, Inc.** 

Samantha K. Abbott, P.G Project Manager

cc: Mr. Ike Tavarez – ConocoPhillips

Christian M. Llull, P.G. Program Manager

ConocoPhillips

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#### LIST OF ATTACHMENTS

#### Figures:

- Figure 1 Overview Map
- Figure 2 Topographic Map
- Figure 3 Approximate Release Extent and Site Assessment (BBC)
- Figure 4 Remediation Extents (BBC)
- Figure 5 Additional Delineation (TT 2023-2024)
- Figure 6 Proposed Remediation Extent

#### Tables:

Table 1 – Summary of Analytical Results – 2017 BBC Soil Assessment

Table 2 – Summary of Analytical Results – 2023-2024 TT Soil Assessment

#### Appendices:

Appendix A – C-141 Forms

Appendix B – Regulatory Correspondence

Appendix C – Laboratory Analytical Data

Appendix D – BBC Closure Report (2019)

Appendix E – Site Characterization Data

Appendix F – Photographic Documentation

Appendix G – BLM Seed Mixture

# FIGURES

#### Received by OCD: 1/29/2024 12:23:08 PM







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	CONOCOPHILLIPS	PROJECT NO .:	212C-MD-02997A
TETRA TECH	NAB1619432451	DATE:	JANUARY 23, 2024
	(32.063500°, -103.997560°) EDDY COUNTY. NEW MEXICO	DESIGNED BY:	LMV
www.tetratech.com 901 West Wall Street, Suite 100	WEST BRUSHY 8 FEDERAL SWD #1	Figur	re No.
Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	ADDITIONAL DELINEATION (TT 2023-2024)		5





- **Borehole Location**
- Hand Auger Location
- Trench Location
- Power Pole

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Approximate Release Extent (nAB1529948530)

Approximate Release Extent (nAB1715742101)

Hand Dig Area

BGS: Below Ground Surface Source: Bing Maps.		Fe	eet
A Start	A CALLER AND A CONTRACT OF A CONTRACT.	all the second	K. M.
	CONOCOPHILLIPS	PROJECT NO .:	212C-MD-02997A
TL TETRA TECH		DATE:	JANUARY 23, 2024
	(32.063500°, -103.997560°) EDDY COUNTY, NEW MEXICO	DESIGNED BY:	LMV
www.tetratech.com 901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559 Fax: (432) 682-3946	WEST BRUSHY 8 FEDERAL SWD #1 PROPOSED REMEDIATION EXTENT	Figu	ure No. <b>6</b>

- Proposed Excavation 1' bgs
- Proposed Excavation 4' bgs =
- + Barbedwire Fence
- ----- Concrete Barrier
- Drainage
- Earth Berm

- **Buried Line**
- El Paso Natural Gas Water Line Buried
- Half-pipe in place under road
- **Overhead Electrical Line**
- Pipe Rack From PRETS
- Polyline
- Surface Polyline

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# TABLES

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### TABLE 1 SUMMARY OF ANALYTICAL RESULTS 2017 BBC SOIL ASSESSMENT- nAB1619432451 CONOCOPHILLIPS West Brushy 8 SWD #001 EDDY COUNTY, NM

Sample Depth Chloride Sample ID Sample Date Benzene Toluene mg/kg mg/kg mg/kg Q ft. bgs Q Q 272 N/A N/A Surface 1/19/2017 SP1 N/A N/A 1 48 224 N/A N/A Surface SP2 1/19/2017 N/A N/A 1 16 N/A N/A Surface 16 SP3 1/19/2017 48 QR-03 N/A N/A 1 N/A Surface 80 N/A SP4 1/19/2017 16 N/A N/A 1 14,600 Surface N/A N/A SP5 1/19/2017 608 N/A N/A 1 2 96 N/A N/A Surface 10,400 N/A N/A 2,360 N/A N/A 1 SP6 1/19/2017 704 N/A N/A 2 <16.0 N/A N/A 3 9,800 N/A Surface N/A 2,920 <0.050 <0.050 1 SP7 1/20/2017 592 N/A N/A 2 <16.0 N/A 3 N/A Surface 6,480 N/A N/A 368 N/A N/A 1 1/20/2017 SP8 2,560 N/A N/A 2 32 N/A N/A 3 5,440 1 N/A N/A 7,040 N/A N/A 2 SP9 1/20/2017 4 *960* N/A N/A N/A <16.0 N/A 5 11,600 <0.050 <0.050 1 4,000 N/A N/A 2 SP10 1/20/2017 352 N/A N/A 3 288 N/A N/A 4 5,600 N/A Surface N/A SP11 1/20/2017 352 N/A N/A 1 N/A 352 N/A 2 6,660 N/A N/A 1 6,930 N/A N/A 2 SP12 1/20/2017 N/A 3 480 N/A N/A N/A 80 4 5 112 N/A N/A North Sample 1/20/2017 1 112 N/A N/A East Sample 1/20/2017 1 112 N/A N/A West Sample 1/20/2017 N/A 48 N/A 1 South Sample 1/20/2017 1 80 N/A N/A

NOTES:

ft. Feet bgs Below ground surface

mg/kg Milligrams per kilogram

- TPH Total Petroleum Hydrocarbons
- GRO Gasoline range organics
- DRO Diesel range organics
- 1 Method SM4500Cl-B
- 2 Method 8021B
- 3 Method 8015M
- N/A Not Analyzed for Constituent

Bold and italicized values indicate exceedance of proposed RRALs and Reclamation Requirements.

<u>Qualifiers</u>

QR-03

The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

BTEX <sup>2</sup>	2								Т	PH <sup>3</sup>		
Ethylbenz	2020	Total Xyle	2200	Total B	EV	GRO		DRO		EXT DF	0	Total TPH
Ethylbenz	lene	ΤΟταί Χγι	enes	TOLATE		C <sub>6</sub> - C <sub>1</sub>	10	> C <sub>10</sub> - 0	2 <sub>28</sub>	> C <sub>28</sub> - (	C <sub>36</sub>	(GRO+DRO+EXT DRO)
mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
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N/A		N/A		N/A		N/A		N/A		N/A		N/A
<0.050		<0.150		<0.300		<10.0		14.9		N/A		14.9
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
<0.050		<0.150		<0.300		<10.0		<10.0		N/A		<10.0
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A
N/A		N/A		N/A		N/A		N/A		N/A		N/A



## TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023-2024 ADDITIONAL SOIL ASSESSMENT nAB1715742101 AND nAB1619432451 AND nAB1529948530 CONOCOPHILLIPS WEST BRUSHY 8 FEDERAL SWD #001 EDDY COUNTY, NM

			Field Sci	reening						BTEX <sup>2</sup>									TPH <sup>3</sup>			
		Sample Depth	Resu	ults	Chloride	Down		Talua		<b>Ethulkoweene</b>	Total Vul		Tatal DT		GRO		DRO		EXT D	80		Total TPH
			ExStik	Titration		Benz	ene	Toluer	he	Ethylbenzene	Total Xyl	enes	Total BTI	EX.	C <sub>6</sub> - C <sub>10</sub>		> C <sub>10</sub> - C	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO)	(GRO+DRO+EXT DRO)
Sample ID	Sample Date	ft. bgs	рр	m	mg/kg (	ב mg/kg	Q	mg/kg	Q	mg/kg Q	mg/kg	Q	mg/kg	Q	mg/kg	Q n	ng/kg	Q	mg/kg	Q	mg/kg	mg/kg
		Reclamation Limit for Soils 0-4' bgs:		-	<u>600 mg/kg</u>	<u>10 m</u>	<u>g/kg</u>						<u>50 mg/k</u>	<u>a</u>								<u>100 mg/kg</u>
		RRAL for Soils >4' bgs (GW 50-100 ft):		-	<u>10,000 mg/kg</u>	<u>10 ma</u>	<u>ı/kg</u>						<u>50 mg/k</u>	<u>q</u>							<u>1,000 mg/kg</u>	<u>2,500 mg/kg</u>
AH-23-1	9/21/2023	0-1	392	-	48	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		19.1		-	19.1
AH-23-2	9/21/2023	0-1	2230	-	2,400	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		2-3	2690	-	2,080	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0		27.5		<10.0		27.5	27.5
T-1	11/30/2023	0-1	627	-	304	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		3-4	2,080	-	1,630	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
T-24-1	1/4/2024	5-6	1,130	-	928	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		6-7	1,110		1,020	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		7-8	-	500	512	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
BH-24-1	1/10/2024	8-9	1,130	600	912	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		9-10	1,080	400	1,090	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
AH-23-3	9/21/2023	0-1	267	-	48	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		0-1	4,670	-	4,120	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
T-24-2	1/4/2024	2-3	1,840	-	1,700	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
	1, 1, 2021	3-4	2,950	-	2,440	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		5-5.5	1,660	-	768	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
AH-23-4	9/21/2023	0-1	369	-	32	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
AH-23-5	9/21/2023	0-1	1560	-	928	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
AI1-23-3	5/21/2025	2-3	4950	-	3,760	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		3-4	3,940	-	4,080	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
T-24-3	1/4/2024	5-6	3,060	-	3,360	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
1-24-5	1/4/2024	6-7	2,420	-	2,400	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		7-7.5	1,670	-	1,140	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		8-9	1,620	900	976	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
BH-24-3	1/10/2024	9-10	1,550	600	768	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0		90.7		98.1		90.7	188.8
		10-11	958	400	656	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
AH-23-6	9/21/2023	0-1	284	-	80	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		0-1	1,950	-	1,090	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		2-3	1,990	-	1,550	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
T-24-4	1/4/2024	3-4	2,730	-	3,200	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
1-24-4	1/4/2024	5-6	2,420	-	2,240	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		6-7	2,210	-	1,150	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
		8-8.5	2,060	-	1,380	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
	1/10/2024	9-10	1,280	800	1,120	<0.050		<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
BH-24-4	1/10/2024	10-11	1,170	400	608	<0.050	1	<0.050		<0.050	<0.150		<0.300		<10.0	<	10.0		<10.0		-	<10.0
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## TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023-2024 ADDITIONAL SOIL ASSESSMENT nAB1715742101 AND nAB1619432451 AND nAB1529948530 CONOCOPHILLIPS WEST BRUSHY 8 FEDERAL SWD #001 EDDY COUNTY, NM

			Field Scr	reening						<b>BTEX</b> <sup>2</sup>						TPH <sup>3</sup>		
		Sample Depth	Resu	ults	Chlori	de	Damage		Talaana	Tabully and an	Tabal Valaria			GRO	DRO	EXT DRO		Total TPH
			ExStik	Titration			Benzen	ne	Toluene	Ethylbenzene	Total Xylene	es	Total BTEX	C <sub>6</sub> - C <sub>10</sub>	> C <sub>10</sub> - C <sub>28</sub>	> C <sub>28</sub> - C <sub>36</sub>	(GRO+DRO)	(GRO+DRO+EXT DRO)
Sample ID	Sample Date	ft. bgs	ррг	m	mg/kg	Q	mg/kg	Q	mg/kg Q	mg/kg Q	mg/kg	Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg	mg/kg
		Reclamation Limit for Soils 0-4' bgs:		-	<u>600 mg</u>	<u>ı/kq</u>	<u>10 mg/l</u>	'kg					<u>50 mg/kg</u>					<u>100 mg/kg</u>
		RRAL for Soils >4' bgs (GW 50-100 ft):		-	<u>10,000 m</u>	ng/kg	<u>10 mg/k</u>	<u>kg</u>					<u>50 mg/kg</u>				<u>1,000 mg/kg</u>	<u>2,500 mg/kg</u>
AH-23-7	9/21/2023	0-1	465	-	48		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		0-1	2530	-	2,000		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	43.1	<10.0	43.1	43.1
AH-23-8	9/21/2023	2-3	3420	-	2,400		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		3-4	4380	-	3,600		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-5	11/30/2023	0-1	-	-	176		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-9	9/21/2023	0-1	468	-	144		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-6	1/5/2024	0-1	-	-	144		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	211	<10.0	211	211
1-24-0	1/3/2024	1-2	404	-	48		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	11.2	<10.0	11.2	11.2
		0-1	4,520	-	2,000		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		2-3	-	-	4,280		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-7	1/5/2024	3-4	-	-	1,800		<0.050		<0.050	<0.050 GC-NC	0.271 G	C-NC1	<0.300	21.2	45.9	<10.0	67.1	67.1
		5-6	669	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		6-7	407	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-10	9/21/2023	0-1	580	-	320		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-11	9/21/2023	0-1	416	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
АП-23-11	9/21/2023	2-3	353	-	96		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-12	9/21/2023	0-1	792	-	240		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-13	9/21/2023	0-1	216	-	48		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
411 22 44	0/24/2022	0-1	198	-	16		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-14	9/21/2023	2-3	286	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-15	9/21/2023	0-1	392	-	64		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-16	11/30/2023	0-1	379	-	160		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
AH-23-17	11/30/2023	0-1	-	-	192		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		3-4	1,750	-	1,140	QM-07	<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-5	1/4/2024	5-6	1,770	-	736		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		6-7	1,040	-	800		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		0-1	1,510	-	496		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-8	1/5/2024	2-3	1,110	-	464		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		3-4	469	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		0-1	857	-	80		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-9	1/5/2024	2-3	415	-	80	1	<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
		0-1	1,140	-	640		<0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
T-24-10	1/5/2024	2-3	310	-	112		< 0.050		<0.050	<0.050	<0.150		<0.300	<10.0	<10.0	<10.0	-	<10.0
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## TABLE 2 SUMMARY OF ANALYTICAL RESULTS 2023-2024 ADDITIONAL SOIL ASSESSMENT nAB1715742101 AND nAB1619432451 AND nAB1529948530 CONOCOPHILLIPS WEST BRUSHY 8 FEDERAL SWD #001 EDDY COUNTY, NM

			Field Scr	eening						BTEX <sup>2</sup>								TPH <sup>3</sup>			
		Sample Depth	Resu	lts	Chloric	de	Demons	Talaan		Calculture and a	Tatal Val			GRC	)	DRO		EXT DF	RO		Total TPH
			ExStik	Titration			Benzene	Toluen	9	Ethylbenzene	Total Xyl	enes	Total BTEX	C <sub>6</sub> - C	10	> C <sub>10</sub> - C	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(GRO+DRO)	(GRO+DRO+EXT DRO)
Sample ID	Sample Date	ft. bgs	ppr	n	mg/kg	Q	mg/kg Q	mg/kg	Q	mg/kg Q	mg/kg	Q	mg/kg Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	mg/kg
		Reclamation Limit for Soils 0-4' bgs:			<u>600 mg/</u>	<u>/kg</u>	<u>10 mg/kg</u>			-			<u>50 mg/kg</u>								<u>100 mg/kg</u>
		RRAL for Soils >4' bgs (GW 50-100 ft):			<u>10,000 m</u>	<u>q/kq</u>	<u>10 mg/kq</u>						<u>50 mg/kg</u>							<u>1,000 mg/kg</u>	<u>2,500 mg/kg</u>
		0-1	1,260	-	784		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T-24-11	1/5/2024	2-3	2,410	-	1,200		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		3-4	1,310	-	608		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		4-5	1,820	600	1,710		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
BH-24-11	1/10/2024	5-6	2,160	800	1,460		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		8-9	1,300	575	1,070		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T-24-12	1/5/2024	0-1	536	-	144		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T 24 12	1/5/2024	0-1	3,690	-	4,000		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T-24-13	1/5/2024	2-3	248	-	48		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T 24 44	4/5/2024	0-1	1,030	-	944		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0	QM-07	<10.0		<10.0		-	<10.0
T-24-14	1/5/2024	2-3	252	-	64		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T 24.45	4/5/2024	0-1	1500	-	1,470		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T-24-15	1/5/2024	1-2	1,050	-	304		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		2-3	873	300	272		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
DU 24.45	4/40/2024	3-4	1,230	350	416		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
BH-24-15	1/10/2024	5-6	1,040	200	288		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		6-7	898	200	352		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0	1	-	<10.0
		0-1	2,470	-	2,160		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
	. /= /=	2-3	3,730	-	3,240		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
T-24-16	1/5/2024	3-4	3,390	-	3,040		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		5-6	1,940	-	1,010		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0	1	-	<10.0
		6-7	1,890	800	1,090		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		7-8	2,040	600	1,010		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
B-24-16	1/10/2024	8-9	1,690	840	1,020		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		9-10	1,470	580	896		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
		14-15	1,580	400	1,100		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0	1	-	<10.0
H-24-1	1/5/2024	0-1	334	-	80		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
H-24-2	1/5/2024	0-1	1,760	-	416		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
H-24-3	1/5/2024	0-1	1,180	-	304		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
H-24-4	1/5/2024	0-1	310	-	96		<0.050	<0.050		<0.050	<0.150		<0.300	<10.0		<10.0		<10.0		-	<10.0
NOTES:					-					I		1									

NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

Method SM4500CI-B 1

Method 8021B 2

Method 8015M 3

Bold and italicized values indicate exceedance of proposed RRALs and/or Reclamation Requirements.

QUALIFIERS:

QM-07 The spike recovery was outside of lab established statistical control limits but still within method limits. Data is not adversley affected. GC-NC 8620 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND (not detected at or above the reporting limit).

GC-NC1 8620 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.

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# APPENDIX A C-141 Forms

### NM OIL CONSERVATION

ARTESTA DISTRICT

Page 22 of 247

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istrict I 525 N. French Dr., Hobbs, NM 88240 istrict II			New Mexi and Natural		JUL 0	8 2016	Form C-141 Revised August 8, 2011				
11 S. First St., Artesia, NM 88210 <u>istrict III</u> 300 Rio Brazos Road, Aztec, NM 87410 <u>istrict IV</u> 220 S. St. Francis Dr., Santa Fe, NM 87505	1220	South	vation Div St. Franci NM 8750	s Dr.	Submit RECE	Submit I Copy to appropriate District Office in <b>RECEIVED</b> ordance with 19.15.29 NMAC					
Rel	ease Notific				ction						
nAB1419432451			OPERAT	OR	$\bowtie$	Initial Rep	ort 🗌 Final Report				
Name of Company: COG Operating LLC			Contact: Rob								
Address: 600 West Illinois Avenue, Midla Facility Name: West Brushy 8 Federal SW			Telephone No. 432-230-0077       Facility Type: SWD								
·····											
Surface Owner: Federal	Mineral C	Owner: F	Federal		API No. 30-0	15-31675					
· · · · · · · · · · · · · · · · · · ·			N OF REL								
Unit Letter Section Township Range A 8 26S 29E	Feet from the 660		South Line	Fect from the 330	East/West East		County Eddy				
						<u> </u>					
La	titude 32.062524		•		82237						
CD 1	NAT	<b>URE</b>	OF RELE		····	1 5	1				
Type of Release: Produced Water			Volume of 1 25 bbis	Kelease:		olume Recove bbls	rea:				
Source of Release:			Date and He	our of Occurrenc	e: Da	ate and Hour c					
Poly Flowline Was Immediate Notice Given?			7/3/2016 un		7/:	/3/2016 12:00p	om				
	🛛 No 🔲 Not R	equired			lly Tucker –	– BLM					
			Date and Hour: 7/5/2016 10:31 AM								
Was a Watercourse Reached?				our: 7/5/2016 10 lume Impacting (		ourse.					
Was a Watercourse Reached?	*					ourse.					
By Whom? Amanda Trujillo Davis Was a Watercourse Reached? If a Watercourse was Impacted, Describe Fully Describe Cause of Problem and Remedial Action I'his release was caused by a damaged poly flow	.* on Taken.*	r and soil	If YES, Vol	lume Impacting (	the Waterco						
Was a Watercourse Reached?	on Taken.* wline. Dry weather sken.*	oncho wil	If YES, Vol	lume Impacting t hade recovery of	fluid difficu	ult.	ontamination from the				
Was a Watercourse Reached? [] Yes [2 If a Watercourse was Impacted, Describe Fully Describe Cause of Problem and Remedial Action This release was caused by a damaged poly flor Describe Area Affected and Cleanup Action Ta The impacted area is located in the pasture alor	* on Taken.* wline. Dry weather aken.* ngside the road. Co plan to the NMOC //e is true and comp and/or file certain nce of a C-141 repuly investigate and r	oncho wil CD for ap plete to the release no ort by the remediate	If YES, Vol If YES, Vol conditions m l have the spi pproval prior t ne best of my l otifications an e NMOCD ma e contaminatio	lume Impacting t hade recovery of Il site sampled to o any significant knowledge and u d perform correc arked as "Final R on that pose a thr	fluid difficu fluid difficu o delineate a t remediatio understand fl ctive actions teport" does reat to grour	ult. any possible co on work. hat pursuant to s for releases v s not relieve th nd water, surfa	o NMOCD rules and which may endanger e operator of liability we water, human health				
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Incident ID

District RP Facility ID Application ID

### 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?	(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 <b>not</b> 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.

orm C-141	12:23:08 PM State of New Mexico	Incident ID
nge 4	Oil Conservation Division	District RP
		Facility ID
		Application ID
regulations all operators are rec public health or the environmen failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: Signature:	quired to report and/or file certain release notifications nt. The acceptance of a C-141 report by the OCD does and remediate contamination that pose a threat to gro C-141 report does not relieve the operator of responsi Title:	hy knowledge and understand that pursuant to OCD rules and and perform corrective actions for releases which may endanger is not relieve the operator of liability should their operations have undwater, surface water, human health or the environment. In bility for compliance with any other federal, state, or local laws
	Teleph	none:
OCD Only		

Received by OCD: 1/29/2024 12:23:08 PM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

### **Remediation Plan**

<b><u>Remediation Plan Checklist</u></b> : Each of the following items must be included in the plan.		
<ul> <li>Detailed description of proposed remediation technique</li> <li>Scaled sitemap with GPS coordinates showing delineation poin</li> <li>Estimated volume of material to be remediated</li> <li>Closure criteria is to Table 1 specifications subject to 19.15.29.</li> <li>Proposed schedule for remediation (note if remediation plan times)</li> </ul>	12(C)(4) NMAC	
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health, the environment, or groundwater.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	Title:	
Signature: _ /4 75	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
Approved Approved with Attached Conditions of	Approval Denied Deferral Approved	
Signature:	Date:	

## APPENDIX B Regulatory Correspondence

### 7/12/2016

### NMOCD District II Staff

Site Inspection

Photo Documentation

COG Operating

West Brushy 8 Fed SWD #1

Poly Flowline Release

30-015-31675

2RP-3774






























# Bratcher, Mike, EMNRD

From:	Bratcher, Mike, EMNRD
Sent:	Wednesday, March 1, 2017 11:52 AM
То:	'Cliff Brunson'; 'Robert Grubbs'
Cc:	Weaver, Crystal, EMNRD; Becky Haskell; Ken Swinney
Subject:	RE: COG - West Brushy 8 Federal SWD #1 (2RP-3774) - Remediation Plan

Thanks Cliff.

Mike Bratcher NMOCD District 2 811 South First Street Artesia NM 88210 575-748-1283 Ext 108 mike.bratcher@state.nm.us

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com] Sent: Wednesday, March 1, 2017 10:49 AM To: Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us>; 'Robert Grubbs' < RGrubbs@concho.com> Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Becky Haskell <rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com> Subject: RE: COG - West Brushy 8 Federal SWD #1 (2RP-3774) - Remediation Plan

Mike,

We are still confirming that we will be able to accomplish the approved remediation by attempting to set a meeting with the line operators and verify that a two foot excavation mostly by hand will be acceptable to them and if so, then yes, we will incorporate the first release (2RP-3353) in the closure. I will keep you updated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President **BBC** International. Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



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From: Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]
Sent: Thursday, February 9, 2017 10:34 AM
To: Robert Grubbs (<u>RGrubbs@concho.com</u>) <<u>RGrubbs@concho.com</u>>; <u>cbrunson@bbcinternational.com</u>
Cc: Weaver, Crystal, EMNRD <<u>Crystal.Weaver@state.nm.us</u>>
Subject: FW: COG - West Brushy 8 Federal SWD #1 (2RP-3774) - Remediation Plan

Robert,

This release that BBC has submitted a remediation proposal on (2RP-3774) covered an earlier release at this site (2RP-3353), only this one covered a much larger area than the first one. The second attachment is what was submitted to OCD at the time, and it was COG's stance then, that the site could not be delineated or remediated due to the gas lines and flowlines that ran through the area. COG had requested a deferral. This may be a question for Cliff, but with the gas lines that have been identified on the plat, and the obvious dozen or so surface poly lines that run through the release area, is the proposed remediation going to be able to accomplish? If so, I suggest that once completed, the closure also include the first release, and possible get them both closed.

Thanks,

Mike Bratcher NMOCD District 2 811 South First Street Artesia NM 88210 575-748-1283 Ext 108 mike.bratcher@state.nm.us

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Tuesday, February 7, 2017 2:30 PM
To: Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>
Cc: Weaver, Crystal, EMNRD <<u>Crystal.Weaver@state.nm.us</u>>; 'Rebecca Haskell' <<u>RHaskell@concho.com</u>>; Ken Swinney
<<u>kswinney@bbcinternational.com</u>>; Jennifer Gilkey <<u>jgilkey@bbcinternational.com</u>>; Kathy Purvis
<<u>kathy@bbcinternational.com</u>>
Subject: COG - West Brushy 8 Federal SWD #1 (2RP-3774) - Remediation Plan

Mike,

This e-mail is to confirm our discussion concerning the remediation plan for the COG West Brushy 8 Federal SWD #1 release. I have attached the information packet that we used in our discussion with a cover page describing the remediation plan that we agreed upon.

If you would please reply via e-mail with your concurrence on this plan, it would be greatly appreciated.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: <u>cbrunson@bbcinternational.com</u>



\*\*\*\*\*\*

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\*\*\*\*\*\*

From:	Weaver, Crystal, EMNRD
To:	Cliff Brunson; Bratcher, Mike, EMNRD; Shelly Tucker
Cc:	Becky Haskell; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: COG West Brushy 8 Federal SWD #1 (2RP-4240) - Delineation Workplan
Date:	Friday, February 16, 2018 3:45:00 PM

Rebecca/Cliff,

Due to the amount of time this work plan has sat in OCD's que I will go ahead and approve it, however, delineation on this is not complete and it will need to be completed during the excavation process.

- In the area of the spill that is demarked as the pink area (according to the site map in the work plan) recommended action proposed by BBC is 4ft excavation and a liner placed, however, sampling for all of that area only goes down to either a max of 3ft depth in some places (SP-6 & SP-7) and 4ft depth in other places (SP-4 & SP-5) and then has follow up delineation effort via soil boring that starts at 8ft depth (SB-1 & SB-2). Now I understand that there is a road along the pink demarked area but if able to delineate why was a gap made in the data? OCD factors vertical cumulations of chlorides in the soil column when determining where liner placement will be ideal to set if indeed a liner is the most appropriate measure that can be taken for remediation. So without a full delineation liner placement can not be determined. Please collect delineation data near the SB-1 and SB-2 areas, starting SB-1 at 5ft and SB-2 at 4ft. thru the 8ft interval. Upon receipt of data for delineation completion please contact OCD and mention that the project has an urgent need for liner placement determination in order to be able to backfill.
- I measured on my map that this release has a proximity of 1400+/- to the bank of the Pecos River and is on a steep elevational raise that appears to have a seamless downgrade starting from the boundary area of the release going to the river, because this release has sat for some time and because it has a sister release that has some overlap (2RP-3774) and that release has sat for even longer OCD would like to request a prompt submission of work plan be remitted for the older 2RP-3774 release (since one was never received) and requests that if practicable the two releases be remediated at the same time.
- The site ranking is never stated out right in this work plan but it can be inferred. So based on data OCD has referenced we will concur with the inferred ranking of 10 based on depth to ground water data cited in the work plan and cross checked by OCD. Since site ranking is not applicable for target delineation and clean up levels on chlorides, chlorides will need to be remediated (if practicable) and delineated to 600ppm or less both vertically and horizontally.
- Confirmation side wall lab tested samples will be required for all excavated areas.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

If you have any questions or concerns, and for notification, please contact Mike Bratcher and/or myself in the District II Office.

# **Crystal Weaver**

Environmental Specialist OCD – Artesia District II 811 S. 1<sup>st</sup> Street Artesia, NM 88210 Office: 575-748-1283 ext. 101 Cell: 575-840-5963 Fax: 575-748-9720

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Wednesday, November 22, 2017 4:21 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker <stucker@blm.gov>
Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Becky Haskell
<rhaskell@concho.com>; Ken Swinney <kswinney@bbcinternational.com>; Jennifer Gilkey
<jgilkey@bbcinternational.com>; Kathy Purvis <kathy@bbcinternational.com>
Subject: COG West Brushy 8 Federal SWD #1 (2RP-4240) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the COG West Brushy 8 Federal SWD #1 (2RP-4240). COG is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



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# Bratcher, Mike, EMNRD

From:	Bratcher, Mike, EMNRD
Sent:	Thursday, February 22, 2018 10:20 AM
То:	Cliff Brunson; Shelly Tucker
Cc:	Weaver, Crystal, EMNRD; Becky Haskell; Ken Swinney; Jennifer Gilkey; Kathy Purvis
Subject:	RE: COG West Brushy 8 Federal SWD #1 (2RP-4240) - Delineation Workplan

RE: COG \* West Brushy 8 Fed SWD 1 \* 2RP-4240 \* DOR: 5/27/2017

# Greetings all,

After consulting with Ms. Weaver and going over the previous releases at this site, this proposal (2RP-4240) is approved as submitted. Some of the data and information from the previous releases was not available to Ms. Weaver when she reviewed this proposal, and was my fault. Since there are several releases to be addressed relative to this site, OCD notes the open RP numbers, and status, as follows:

- 2RP-3353 and 2RP-3774 releases cover basically the same area, and have approved remediation proposals.
- 2RP-4094 has an approved remediation proposal.
- 2RP-4330 has an approved remediation proposal.
- 2RP-4240 now has an approved remediation proposal.

It is OCD's understanding that all the releases associated with this site, as listed above, will be addressed upon mobilization to the site, and that mobilization will occur in the very near future. Please advise once that has been scheduled. Also, please advise if this information is not as reflected in COG records.

In addition, for future reference, when performing vertical delineation and transitioning from conventional delineation to utilizing boring equipment, please attempt where possible, to obtain samples in a manner that does not leave gaps in the analytical data. OCD would prefer to see uniform data throughout the delineation process.

Federal sites will require like approval from BLM, if not previously obtained.

Thank you,

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Cliff Brunson [mailto:cbrunson@bbcinternational.com]
Sent: Wednesday, November 22, 2017 4:21 PM
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Shelly Tucker <stucker@blm.gov>

Cc: Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Becky Haskell <rhaskell@concho.com>; Ken Swinney
<kswinney@bbcinternational.com>; Jennifer Gilkey <jgilkey@bbcinternational.com>; Kathy Purvis
<kathy@bbcinternational.com>
Subject: COG West Brushy 8 Federal SWD #1 (2RP-4240) - Delineation Workplan

Mike and Shelly,

Please find the attached Delineation Workplan and remediation proposal for the COG West Brushy 8 Federal SWD #1 (2RP-4240). COG is requesting that you review this plan and is looking forward to both the OCD's and BLM's approval.

If you have any questions, please let me know.

Thanks, Cliff

Cliff P. Brunson, CEI, CRS President BBC International, Inc. World-Wide Environmental Specialists Mailing Address: P. O. Box 805 Hobbs, NM 88241-0805 USA Shipping Address: 1324 W. Marland St. Hobbs, NM 88240 USA Phone: (575) 397-6388 Fax: (575) 397-0397 E-Mail: cbrunson@bbcinternational.com



\*\*\*\*\*\*\*\*\*\*\*\*

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Released to Imaging: 1/31/2024 8:37:52 AM

From:	Cantu Garcia, Moises H
То:	Abbott, Sam; Chavira, Lisbeth; Llull, Christian
Subject:	Fwd: [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 206724
Date:	Wednesday, May 3, 2023 4:21:27 PM

**CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments.

Hello all

Please see note below

Thank you very much

Get Outlook for iOS

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

**Sent:** Monday, May 1, 2023 3:15 PM

To: Cantu Garcia, Moises H < Moises.H.CantuGarcia@conocophillips.com>

**Subject:** [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application,

Application ID: 206724

**CAUTION**: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Moises Cantu for COG OPERATING LLC),

The OCD has rejected the submitted *Internal Manual Incident File Supporting Documentation (ENV)* (IM-BNF), for incident ID (n#) nAB1619432451, for the following reasons:

- Email correspondence provided by operator stated that an email dated 2/22/2018 an email from OCD personnel stated "2RP-3353 and 2RP-3774 releases cover basically the same area and have approved remediation proposals". Based on the information found under 2RP-3353 (NAB1529948530) closed was not approved in 2016.
- The closure report is not clear as to what activites occurred for remediation of this site.
- Submit a complete report though the OCD Permitting website by 8/1/2023.
- 2RP-3774 closed. Refer to incident #NAB1619432451 in all future communication.

The rejected IM-BNF can be found in the OCD Online: Permitting - Action Status, under the Application ID: 206724.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional IM-BNF.

Thank you, Brittany Hall Projects Environmental Specialist - A 505-517-5333 Brittany.Hall@emnrd.nm.gov

# New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive Santa Fe, NM 87505

From:	Hall, Brittany, EMNRD
То:	Abbott, Sam
Cc:	Llull, Christian, Chavira, Lisbeth
Subject:	RE: [EXTERNAL] Extension Request - nAB1529948530, nAB1702748717 ,nAB1715742101, nAB1619432451
Date:	Friday, September 15, 2023 2:24:50 PM
Attachments:	image001.png image002.png image003.png image004.png image005.png

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Ms. Abbott,

Thank you for the information. OCD will grant an extension until <u>October 30, 2023</u>, for all four releases (**nAB1529948530**, **nAB1702748717**, **nAB1715742101**, **nAB1619432451**).

Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project files.

Thank you,

**Brittany Hall** • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | Brittany.Hall@emnrd.nm.gov http://www.emnrd.nm.gov/ocd/

From: Abbott, Sam <Sam.Abbott@tetratech.com>
Sent: Friday, September 15, 2023 12:18 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetratech.com>; Chavira, Lisbeth
<LISBETH.CHAVIRA@tetratech.com>
Subject: RE: [EXTERNAL] Extension Request - Application ID 206727 (nAB1529948530)

Ms. Hall,

The remedial action performed by BBC was grouped over four individual release footprints and the closure report was aggregated into one combined deliverable. Although BBC did complete remedial action over several different portions of the footprint, it has been difficult to discern which portions of each individual release extent was acted upon based on the provided figures, which were not drawn to scale, and the photographs, which did not differentiate between release areas.

Considerable time and effort has been spent to review all available documentation for each of the four release incidents, including work plans and regulatory correspondence; and decipher exactly which areas were worked on by BBC as documented in the rejected closure report, while attempting to designate areas in the field with areas identified in the figures and photographs. The site is an extremely busy and active area with numerous subsurface and surface hazards which has also hampered project progress. Tetra Tech has photographic

documentation of multiple site visits conducted in 2023, which are provided here.

Tetra Tech is committed to provide a quality deliverable to the NMOCD in an attempt to close these incidents, however, the difficulties inherent with the noted matters require more time and effort.

Sam

Samantha Abbott, PG | Project Manager Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetratech.com

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From: Hall, Brittany, EMNRD <<u>Brittany.Hall@emnrd.nm.gov</u>>
Sent: Thursday, September 14, 2023 3:21 PM
To: Abbott, Sam <<u>Sam.Abbott@tetratech.com</u>>
Cc: Llull, Christian <<u>Christian.Llull@tetratech.com</u>>; Chavira, Lisbeth
<<u>LISBETH.CHAVIRA@tetratech.com</u>>
Subject: RE: [EXTERNAL] Extension Request - Application ID 206727 (nAB1529948530)

From: Abbott, Sam <<u>Sam.Abbott@tetratech.com</u>>
Sent: Tuesday, September 12, 2023 4:26 PM
To: Hall, Brittany, EMNRD <<u>Brittany.Hall@emnrd.nm.gov</u>>
Cc: Llull, Christian <<u>Christian.Llull@tetratech.com</u>>; Chavira, Lisbeth
<<u>LISBETH.CHAVIRA@tetratech.com</u>>

**Subject:** [EXTERNAL] Extension Request - Application ID 206727 (nAB1529948530)

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Ms. Hall:

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until October 30, 2023) to complete reporting for the West Brushy 8 Federal SWD #001 Release site (**nAB1529948530**).

The original closure report completed by BBC was denied by OCD for the following reasons:

• Closure/deferral was rejected for this release in 2016 based on the location of the release and the release not being fully delineated. There are numerous releases that have occurred at this site and have not been closed. If there was overlap of the releases, the approved workplans will need to be provided as stated in this closure report. Submit a complete report through the OCD Permitting website by 8/1/2023. 2RP-3353 closed. Refer to inident #NAB1529948530 in all future correspondence.

The release incident is located in the vicinity of an active battery in an area congested with active surface and subsurface lines. Given the complexities of this site, including numerous surface and subsurface utilities within the release footprint, this incident is now being handled by the risk management and remediation group at ConocoPhillips. Additionally, because the rejected closure report comprised four release incidents, interpreting the remedial actions associated with the individual release incidents has taken a higher level of effort than anticipated.

In addition to a thorough file review, ConocoPhillips has completed a site visit to evaluate current conditions and identify safety hazards present in the incident release area. The revised report will be submitted to the OCD within the requested timeframe.

Please let me know if you have any questions or concerns.

Thank you, Sam

Samantha Abbott, PG | Project Manager Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetratech.com

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?	

From:	Hall, Brittany, EMNRD
То:	<u>Abbott, Sam</u>
Cc:	Llull, Christian; Chavira, Lisbeth
Subject:	RE: [EXTERNAL] Extension Request - Application ID 206724 (nAB1619432451)
Date:	Tuesday, October 31, 2023 11:14:18 AM
Attachments:	image001.png
	image002.png
	image003.png
	image004.png
	image005.png

# **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments.

Ms. Abbott,

The extension request for **nAB1619432451** is approved. This will be the last extension approved for these circumstances. The new due date is January 30, 2024.

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

Thank you,

**Brittany Hall** • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.517.5333 | <u>Brittany.Hall@emnrd.nm.gov</u> http://www.emnrd.nm.gov/ocd/

From: Abbott, Sam <Sam.Abbott@tetratech.com>
Sent: Monday, October 30, 2023 2:11 PM
To: Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov>
Cc: Llull, Christian <Christian.Llull@tetratech.com>; Chavira, Lisbeth
<LISBETH.CHAVIRA@tetratech.com>
Subject: [EXTERNAL] Extension Request - Application ID 206724 (nAB1619432451)

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Ms. Hall:

On behalf of ConocoPhillips, Tetra Tech is requesting an additional 90-day extension (until January 30, 2023) to complete reporting for the West Brushy 8 Federal SWD #001 Release site (**nAB1619432451**).

The original closure report completed by BBC was denied by OCD for the following reasons:

• Email correspondence provided by operator stated that an email dated 2/22/2018 an email from OCD personnel stated "2RP-3353 and 2RP-3774 releases cover basically the same area and have approved remediation proposals". Based on the information found under 2RP-3353

(NAB1529948530) closed was not approved in 2016. The closure report is not clear as to what activites occurred for remediation of this site. Submit a complete report though the OCD Permitting website by 8/1/2023. 2RP-3774 closed. Refer to incident #NAB1619432451 in all future communication.

The release incident is located in the vicinity of an active battery in an area congested with active surface and subsurface lines. Given the complexities of this site, including numerous surface and subsurface utilities within the release footprint, this incident is now being handled by the risk management and remediation group at ConocoPhillips. Additionally, because the rejected closure report comprised four release incidents, interpreting the remedial actions associated with the individual release incidents has taken a higher level of effort than anticipated.

The remedial action performed by BBC was grouped over four individual release footprints and the closure report was aggregated into one combined deliverable. Although BBC did complete remedial action over several different portions of the footprint, it has been difficult to discern which portions of each individual release extent was acted upon based on the provided figures, which were not drawn to scale, and the photographs, which did not differentiate between release areas.

Considerable time and effort has been spent to review all available documentation for each of the four release incidents, including work plans and regulatory correspondence; and decipher exactly which areas were worked on by BBC as documented in the rejected closure report, while attempting to designate areas in the field with areas identified in the figures and photographs. The site is an extremely busy and active area with numerous subsurface and surface hazards which has also hampered project progress. Tetra Tech has photographic documentation of multiple site visits conducted in 2023, which are provided here.

Additionally, Tetra Tech has completed additional assessment activities in the northern portion of the release site (which overlaps with a separate release incident nAB1715742101, addressed in a separate email) in September 2023. Based on the results of this sampling event, additional work is required to complete delineation of the release and to compile all findings in a report for submittal.

Revised closure reports will be submitted today for the two remaining open incidents associated with this site (nAB1529948530 and nAB1702748717).

Please let me know if you have any questions or concerns.

Thank you, Sam

Samantha Abbott, PG | Project Manager Direct Mobile +1 (512) 739-7874 | Business +1 (512) 338-1667 | Sam.Abbott@tetratech.com

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# APPENDIX C Laboratory Analytical Data



January 30, 2017

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: WEST BRUSHY 8 FEDERAL SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/23/17 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	01/23/2017	Sampling Date:	01/19/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 1 @ SURFACE (H700154-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/25/2017	ND	432	108	400	0.00	

## Sample ID: SP 1 @ 1' (H700154-02)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/25/2017	ND	432	108	400	0.00	

#### Sample ID: SP 2 @ SURFACE (H700154-03)

Chloride, SM4500Cl-B	00Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/25/2017	ND	432	108	400	0.00	

## Sample ID: SP 2 @ 1' (H700154-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/25/2017	ND	432	108	400	0.00	

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	01/23/2017	Sampling Date:	01/19/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 3 @ SURFACE (H700154-05)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/25/2017	ND	432	108	400	0.00	

## Sample ID: SP 3 @ 1' (H700154-06)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/25/2017	ND	400	100	400	3.92	QR-03	

#### Sample ID: SP 4 @ SURFACE (H700154-07)

Chloride, SM4500Cl-B	B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 4 @ 1' (H700154-08)

Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 5 @ SURFACE (H700154-09)

Chloride, SM4500Cl-B	CI-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	01/25/2017	ND	400	100	400	3.92	

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241 Fax To: (575) 397-0397

Received:	01/23/2017	Sampling Date:	01/19/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 5 @ 1' (H700154-10)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/25/2017	ND	400	100	400	3.92	

# Sample ID: SP 5 @ 2' (H700154-11)

Chloride, SM4500CI-B	Chloride, SM4500Cl-B mg/kg				Analyzed By: HM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 6 @ SURFACE (H700154-12)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 6 @ 1' (H700154-13)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 6 @ 2' (H700154-14)

Chloride, SM4500Cl-B	e, SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	01/25/2017	ND	400	100	400	3.92	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 6 @ 3' (H700154-15)

Chloride, SM4500Cl-B	mg	/kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	400	100	400	3.92	

# Sample ID: SP 7 @ SURFACE (H700154-16)

Chloride, SM4500Cl-B	Analyze	Analyzed By: HM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9800	16.0	01/25/2017	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 7 @ 1' (H700154-17)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2920	16.0	01/25/2017	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	14.9	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	87.3 9	% 35-147	7						
	90.5 9	% 28-171							

## Sample ID: SP 7 @ 2' (H700154-18)

Chloride, SM4500Cl-B	loride, SM4500Cl-B mg/kg			Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	01/25/2017	ND	400	100	400	3.92	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 7 @ 3' (H700154-19)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/25/2017	ND	400	100	400	3.92	

# Sample ID: SP 8 @ SURFACE (H700154-20)

Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 8 @ 1' (H700154-21)

Chloride, SM4500Cl-B mg/kg			Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/25/2017	ND	400	100	400	3.92	

#### Sample ID: SP 8 @ 2' (H700154-22)

Chloride, SM4500Cl-B	B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	01/26/2017	ND	400	100	400	3.92	

#### Sample ID: SP 8 @ 3' (H700154-23)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/26/2017	ND	400	100	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 9 @ 1' (H700154-24)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5440	16.0	01/26/2017	ND	400	100	400	3.92	

# Sample ID: SP 9 @ 2' (H700154-25)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7040	16.0	01/26/2017	ND	400	100	400	3.92	

### Sample ID: SP 9 @ 4' (H700154-26)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	01/26/2017	ND	416	104	400	0.00	QM-07

#### Sample ID: SP 9 @ 5' (H700154-27)

Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/26/2017	ND	416	104	400	0.00	

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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 10 @ 1' (H700154-28)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	01/27/2017	ND	2.13	107	2.00	0.189	
Toluene*	<0.050	0.050	01/27/2017	ND	2.11	106	2.00	0.288	
Ethylbenzene*	<0.050	0.050	01/27/2017	ND	2.16	108	2.00	0.00954	
Total Xylenes*	<0.150	0.150	01/27/2017	ND	6.14	102	6.00	0.0936	
Total BTEX	<0.300	0.300	01/27/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	11600	16.0	01/26/2017	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10	<10.0	10.0	01/25/2017	ND	178	89.1	200	10.2	
DRO >C10-C28	<10.0	10.0	01/25/2017	ND	188	93.9	200	2.21	
Surrogate: 1-Chlorooctane	84.4	% 35-147	7						

# Sample ID: SP 10 @ 2' (H700154-29)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	01/26/2017	ND	416	104	400	0.00	

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 10 @ 3' (H700154-30)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/26/2017	ND	416	104	400	0.00	

## Sample ID: SP 10 @ 4' (H700154-31)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 11 @ SURFACE (H700154-32)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 11 @ 1' (H700154-33)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 11 @ 2' (H700154-34)

Chloride, SM4500Cl-B	mg	′kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/26/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: SP 12 @ 1' (H700154-35)

Chloride, SM4500Cl-B	mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	01/26/2017	ND	416	104	400	0.00	

# Sample ID: SP 12 @ 2' (H700154-36)

Chloride, SM4500CI-B	Analyze	Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6930	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 12 @ 4' (H700154-37)

Chloride, SM4500Cl-B	I-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: SP 12 @ 5' (H700154-38)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/26/2017	ND	416	104	400	0.00	

#### Sample ID: NORTH SAMPLE @ 1' (H700154-39)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/26/2017	ND	416	104	400	0.00	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	01/23/2017	Sampling Date:	01/20/2017
Reported:	01/30/2017	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FEDERAL SWD #1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

#### Sample ID: EAST SAMPLE @ 1' (H700154-40)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/26/2017	ND	416	104	400	0.00	

# Sample ID: WEST SAMPLE @ 1' (H700154-41)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/26/2017	ND	416	104	400	0.00	

# Sample ID: SOUTH SAMPLE @ 1' (H700154-42)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/26/2017	ND	416	104	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager


### **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by	<b>OCD: 1</b>	/29/2024	12:23:08	PM	
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carumar cannot accept verbal changes. Please fax written changes to 505-393-2476	Time: 50 JOU Sample Condition CH 5.22 Pres Pres No No No J	Date: Received By:	service. In or vent shall cardicate biable for incidental or consequential damages, including winked unless made in writing and received by Cardinal within 30 days after competion of the applicable affiliates or successors arising out of or related to the performance of services herewider by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinguishing and the applicable of the applicable of the performance of services herewider by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Relinguishing and the above stated reasons or otherwise.	Cardina's liability and client's exclusive remedy for any daim arising whether based in contract or fort, shall be	200	61 1		5 <		~				(G)RA # CON WAST SOIL DIL SLUD( DTHEF	B OR ( ITAINE NDWA EWATE BE R : BASE:	TER	MATRIX			ERAL SWD #1	106	5-397-0397	State: NM Zip: 88241 Attn:	Comp	P.O. #:	onal, Inc.	<b>RDINAL LABORATORIES</b> 101 East Marland, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476
476	CHECKED BY:	Phone Result:		/ 1/19/17 1:00 PM ✓			_		1/19/17 11:40 AM	-	-		1/10/17				PRESERV. SAMPLING			Zin:					ANALYSIS		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
																									REQUEST		ALYSIS REQUEST

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Page 14 of 18

Received by OCD: 1/29/2024 12:23:08 PM

| Product State:       NM       Zip:       83241       Attr::         397-6388       Fax #:       575-397-0397       Address:         Project Owner:       UO       city:       State:       Zip:         WEST BRUSHY 8 FEDERAL SWD #1       State:       Zip:       Phone #:       Zip:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:       Zip:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:       Zip:         Sample I.D.       OR (C)OMP.       MATRIX       Festerili       Samplicitie         SP6 @ 21       GIGIRAB OR (C)OMP.       Imme       C1       TIME         SP6 @ 21       GIGIRAB OR (C)OMP.       VI1917       1:20 PM       C1         SP6 @ 21       GIGIRAB OR (C)OMP.       VI1917       1:20 PM       C1         SP6 @ 21       GIGIRAB OR (C)OMP.       VI1917       1:20 PM       C1         SP7 @ 21       GI       VI1917       1:20 PM       VI19017       1:20 PM       VI19017       1:20 PM       VI19017       1:40 PM       VI19017 <t< th=""><th>BBC International, Inc.</th><th>BBC International, Inc. BILL TO ANALYSIS</th><th>: Cliff Brunson P.o. #:</th><th></th><th>State: NM Zin: 880/1</th><th>575-397-6388 5 575-505 505-</th><th>5/5-397-0307 Fax #: 575-397-0397</th><th>06</th><th>WEST BRUSHY 8 FEDERAL SWD #1</th><th>EDDV COUNTY AT State:</th><th>Phone #:</th><th>JEFF ORNELAS</th><th>JEIT UNNELAO</th><th>MATRIX PRESERV.</th><th>RS<br/>TER</th><th>Sample I.D.</th><th>CI</th><th>SP5 @ 2'</th><th>SP6 @ SURFACE 61 1 119/17</th><th>SP6 @ 1' 6 1 1/20/17 9:00 AM</th><th>SP6 @ 2' 61 V 1/20/17 9:15 AM</th><th>SP6 @ 3'</th><th>SP7 @ SURFACE 6 1 120/17</th><th>GI V 1/20/17 10:15 AM V V</th><th></th><th></th><th></th><th>Index         SP7 @ 3'         Index         Index</th><th>the and the metal of the mount paid in writing and received by Cardinal writing after the amount paid use whatsoever shall be deemed waived unless made in writing and received by Cardinal writin 30 days after entrand damages, including writiout limitation, business interruptions, loss of use, or loss of profits incurred by di service beaunder beaunder</th><th>The services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or between services.</th><th>Image:       Cardinal's liability and Clearts exclusive remedy for any claim anxing whether based in contract or tort, shall be liable for incidental activity whether based in contract or tort, shall be liable for incidental or consequential damages, including without limitation, business made in whiting and ceevined by Cardinal within 30 days after competition of the applicable or successors arising out of or related to the performance of services hereunde by Cardinal, negardless of whether such claim is based upon any of the above shalled reasons or otherwise.         Indirection       Date:       Date:       Phone Result:       Yes       No.       Add'l Phone #:         Image:       Time*       Time*       Received By:       Receiv</th><th>SP7 @ 3'       1/20/17       10:23 AM       Including and clearly and an any other cause whatsoever shale be deemed wived unless made in writing and received by Cardinal within 30 days after completion of the applicable and or related to the performance of services hereuraler by Cardinal regardless of whether such claim is based upon any of the above stated reasons the arbitrary of the above stated reasons after completion of the applicable and of related to the performance of services hereuraler by Cardinal regardless of whether such claim is based upon any of the above stated reasons the sub-of arrives.         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Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or text, shall be limited to the amount paid by the client for the photoe for insglignee and any other cause whatsoever shall be deemed waived unless interruptions, loss of use, or loss of profits incurred by client or the applicable include to the amount paid by the client for the applicable include to the applicable of the applica</th><th>SP7 @ 3'       SIP @ 3'       Include an any offer cause whilesower statute dama sising whether based in contract or tort, shall be limited to the amount paid by the client for the phose for negligence and any offer cause whatsower shall be deemed waived unless interruptions, loss of profile income by the client for the phose for includent of consequential damages, including whole frame damages in whether start damages in the amount paid by the client for the applicable remedy by cardinal, instanties of whether start damages of profile income by client of the applicable and of or reliated to the performance of services hereunder by Cardinal, meantless of whether start damages and profile income by client. It is subsidiares.       Phone Result:       Yes       No         Date       Date       Date       Date       Received By:       Phone Result:       Yes       No         Date       Date       Date       Received By:       Received By:       Phone Result:       Yes       No         Date       Date       Time       Sample Condition       CHECKED BY:       Phone Result:       Yes       No         Circle One       Sample Condition       CHECKED BY:       Sample Condition       CHECKED BY:       Sample Condition       CHECKED BY:</th><th>SP7 @ 3       SP7 @ 3       1/20/17       10:33 AM       1/20/17       10:33 AM       1         Billy and Damages. 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  | 575-397-6388 5 575-505 505-  | 5/5-397-0307 Fax #: 575-397-0397  | 06  | WEST BRUSHY 8 FEDERAL SWD #1  
   
   
  | EDDV COUNTY AT State:   | Phone #:   
   
   | JEFF ORNELAS   | JEIT UNNELAO   | MATRIX PRESERV.  | RS<br>TER   | Sample I.D.  | CI  
   | SP5 @ 2'  
  | SP6 @ SURFACE 61 1 119/17  | SP6 @ 1' 6 1 1/20/17 9:00 AM  | SP6 @ 2' 61 V 1/20/17 9:15 AM  | SP6 @ 3'  | SP7 @ SURFACE 6 1 120/17   
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    No         Image:       Darle:       Received By:       Fax Result:       Yes       No         Image:       Darle:       Received By:       Fax Result:       Yes       No         Image:       Received By:       Fax Result:       Yes       No | SP7 @ 3'       SP7 @ 3'       N       N       N         10mages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or text, shall be limited to the amount paid by the client for the photoe for insglignee and any other cause whatsoever shall be deemed waived unless interruptions, loss of use, or loss of profits incurred by client or the applicable include to the amount paid by the client for the applicable include to the applicable of the applica | SP7 @ 3'       SIP @ 3'       Include an any offer cause whilesower statute dama sising whether based in contract or tort, shall be limited to the amount paid by the client for the phose for negligence and any offer cause whatsower shall be deemed waived unless interruptions, loss of profile income by the client for the phose for includent of consequential damages, including whole frame damages in whether start damages in the amount paid by the client for the applicable remedy by cardinal, instanties of whether start damages of profile income by client of the applicable and of or reliated to the performance of services hereunder by Cardinal, meantless of whether start damages and profile income by client. It is subsidiares.       Phone Result:       Yes       No         Date       Date       Date       Date       Received By:       Phone Result:       Yes       No         Date       Date       Date       Received By:       Received By:       Phone Result:       Yes       No         Date       Date       Time       Sample Condition       CHECKED BY:       Phone Result:       Yes       No         Circle One       Sample Condition       CHECKED BY:       Sample Condition       CHECKED BY:       Sample Condition       CHECKED BY: | SP7 @ 3       SP7 @ 3       1/20/17       10:33 AM       1/20/17       10:33 AM       1         Billy and Damages. Cardina's liability and client's tensely for any client area remedy and received by cardinal within 30 days after completion of the applicable static and for redental or consequential damages, including without limitation, business interruptions, loss of use, or isos of profise incrude by the client for the applicable area within writing and received by Cardinal writin 30 days after completion of the applicable static or restated to the applicable including writing and received by Cardinal writin 30 days after completion of the applicable area of a services hereunder by Cardinal, reparties of writing and received by Cardinal writin 30 days after completion of the applicable area of a services hereunder by Cardinal, reparties of writing and received by:       Date       Participart       Participart |
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  | Box 805         State: NM         Zip:         Sompany:         Company:         Company: <th< td=""><td>IBD/0000         State:         NM         Zip:         PO/E           397-6338         Fax #:         575-397-0397         Address:           Image: Sample LD.         Project Owner:         Image: Sample LD.         Image: Sample LD.           Sep6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.           SP7 @:         1         Image: Sample LD.           SP7 @:         1         Image: Sample LD.         Image: Sample LD.<!--</td--><td>I. Box 805         State: NM         Zip:         Company:         <thcompany:< th="">         &lt;</thcompany:<></td><td>State:         NM         zp:         88241         Ath::         CUDX           WEST BRUSHY 8         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           I:         EDDY COUNTY, M         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           JEFF ORNELAS         FRISHER ORNELAS         MATRX         PRESERV         SMPL ING           SP6 @         2'         GIP A D R (C) OMP.         Fitte:         Time         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME         SP7         DATE         TIME         DATE         TIME         C I         TPHH         SP7         DATE         TIME         C I         TPHH         SP7         SP7<!--</td--><td>397-6388         Fax #:         575-397-0397         Adm:         Tumor           WEST BRUSHY 8 FEDERAL SWD #1         State:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Sinte:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Project Owner:         Op         Project Owner:         <td< td=""><td>Project Owner:     Address:       WEST BRUSHY 8 FEDERAL SWD #1     State:     Zip:       ar:     EDDY COUNTY, NM     None#:     None#:       JEFF ORNELAS     Fax #:     Zip:       system:     Fax #:     Zip:       Sample I.D.     In COMPARE     Fax #:       SP6 @ 2'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP7 @ SURFACE     Gip Containers     Gip Containers       SP7 @ 10     SURFACE     Gip Containers     Gip Containers       SP7 @ 20     3'     Gip Containers     Gip Containers       SP7 @ 20     1     Jip Jip Jip Jip Jip Jip Jip Jip Jip Jip</td><td>Project Owner:       O       City:         nr:       EDDY COUNTY, NM       None #:       June #:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:         Sample I.D.       Reserved       Fax #:       Fax #:         SPF @ 2'       GO CONTAINERS       Fax #:       Fax #:         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP7 @ SURFACE       GI I       GO CONTAINERS       III IIIIII 1       12011 1       12001 1         SP7 @ 3       GI I       GI I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>WEST BRUSHY 8 FEDERAL SWD#1     State:     Zip:       n:     EDDY COUNTY, NM     Phone #:       JEFF ORNELAS     Fax #:       Sample I.D.     Rome #:       System     Fax #:       System     GROUNDWATER       System     GROUND WATER       System     GROUND WATER       System     GROU</td><td>Image: EDDY COUNTY, NM         Istate:         Image: Edite         <thimage: edite<="" th=""> <thimage: edi<="" td=""><td>Image: FORMELAS     Phone #:<br/>Eax #:<br/>Fax #:       JEFF ORNELAS     Fax #:<br/>Fax #</td><td>JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue<td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td><td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td><td>Sample I.D.         Band of (f)           SP5 @ 2'         G GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J
J J J J J J J</td><td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td><td>SP5 @ 2'       Control of Control of</td><td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       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Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td></td></thimage:></thimage:></td></td<></td></td></td></th<> | IBD/0000         State:         NM         Zip:         PO/E           397-6338         Fax #:         575-397-0397         Address:           Image: Sample LD.         Project Owner:         Image: Sample LD.         Image: Sample LD.           Sep6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.         Image: Sample LD.           SP6 @:         1         Image: Sample LD.           SP7 @:         1         Image: Sample LD.           SP7 @:         1         Image: Sample LD.         Image: Sample LD. </td <td>I. Box 805         State: NM         Zip:         Company:         <thcompany:< th="">         &lt;</thcompany:<></td> <td>State:         NM         zp:         88241  
      Ath::         CUDX           WEST BRUSHY 8         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           I:         EDDY COUNTY, M         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           JEFF ORNELAS         FRISHER ORNELAS         MATRX         PRESERV         SMPL ING           SP6 @         2'         GIP A D R (C) OMP.         Fitte:         Time         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME         SP7         DATE         TIME         DATE         TIME         C I         TPHH         SP7         DATE         TIME         C I         TPHH         SP7         SP7<!--</td--><td>397-6388         Fax #:         575-397-0397         Adm:         Tumor           WEST BRUSHY 8 FEDERAL SWD #1         State:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Sinte:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Project Owner:         Op         Project Owner:         <td< td=""><td>Project Owner:     Address:       WEST BRUSHY 8 FEDERAL SWD #1     State:     Zip:       ar:     EDDY COUNTY, NM     None#:     None#:       JEFF ORNELAS     Fax #:     Zip:       system:     Fax #:     Zip:       Sample I.D.     In COMPARE     Fax #:       SP6 @ 2'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP7 @ SURFACE     Gip Containers     Gip Containers       SP7 @ 10     SURFACE     Gip Containers     Gip Containers       SP7 @ 20     3'     Gip Containers     Gip Containers       SP7 @ 20     1     Jip Jip Jip Jip Jip Jip Jip Jip Jip Jip</td><td>Project Owner:       O       City:         nr:       EDDY COUNTY, NM       None #:       June #:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:         Sample I.D.       Reserved       Fax #:       Fax #:         SPF @ 2'       GO CONTAINERS       Fax #:       Fax #:         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP7 @ SURFACE       GI I       GO CONTAINERS       III IIIIII 1       12011 1       12001 1         SP7 @ 3       GI I       GI I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>WEST BRUSHY 8 FEDERAL SWD#1     State:     Zip:       n:     EDDY COUNTY, NM     Phone #:       JEFF ORNELAS     Fax #:       Sample I.D.     Rome #:       System     Fax #:       System     GROUNDWATER       System     GROUND WATER       System     GROUND WATER       System     GROU</td><td>Image: EDDY COUNTY, NM         Istate:         Image: Edite         <thimage: edite<="" th=""> <thimage: edi<="" td=""><td>Image: FORMELAS     Phone #:<br/>Eax #:<br/>Fax #:       JEFF ORNELAS     Fax #:<br/>Fax #</td><td>JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue<td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td><td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td><td>Sample I.D.         Band of (f)           SP5 @ 2'         G GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J J J J J J J J</td><td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td><td>SP5 @ 2'       Control of Control of</td><td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by
the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       Image: Cardinal's including whouldinal's including whoulding whoulding whoul images.<td>SP7 @ 3'       21       120117       10:44 PM       120117       10:44 PM       120117       10:44 PM       120117       10:57 AM       10:57 AM</td><td>SP8 @ SURFACE       Image: Cardinal's liability and client's exclusive tensely for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the formation and any other cause whatscover shall be deemed waived unless match nowing and received by Cardinal within 30 days after completion of the applicable and of reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above staled be incurred by client. It is subsidiaries.         Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td></td></thimage:></thimage:></td></td<></td></td> | I. Box 805         State: NM         Zip:         Company:         Company: <thcompany:< th="">         &lt;</thcompany:<> | State:         NM         zp:         88241         Ath::         CUDX           WEST BRUSHY 8         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           I:         EDDY COUNTY, M         FEDERAL SWU #1         Istate:         Zip:         Phone #:         Zip:           JEFF ORNELAS         FRISHER ORNELAS         MATRX         PRESERV         SMPL ING           SP6 @         2'         GIP A D R (C) OMP.         Fitte:         Time         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME           SP6 @         2'         GIP A D R (C) OMP.         GIP A D R (C) OMP.         DATE         TIME         DATE         TIME         SP7         DATE         TIME         DATE         TIME         C I         TPHH         SP7         DATE         TIME         C I         TPHH         SP7         SP7 </td <td>397-6388         Fax #:         575-397-0397         Adm:         Tumor           WEST BRUSHY 8 FEDERAL SWD #1         State:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Sinte:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Project Owner:         Op         Project Owner:         <td< td=""><td>Project Owner:     Address:       WEST BRUSHY 8 FEDERAL SWD #1     State:     Zip:       ar:     EDDY COUNTY, NM     None#:     None#:       JEFF ORNELAS     Fax #:     Zip:       system:     Fax #:     Zip:       Sample I.D.     In COMPARE     Fax #:       SP6 @ 2'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP7 @ SURFACE     Gip Containers     Gip Containers       SP7 @ 10     SURFACE     Gip Containers     Gip Containers       SP7 @ 20     3'     Gip Containers     Gip Containers       SP7 @ 20     1     Jip Jip Jip Jip Jip Jip Jip Jip Jip Jip</td><td>Project Owner:       O       City:         nr:       EDDY COUNTY, NM       None #:       June #:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:         Sample I.D.       Reserved       Fax #:       Fax #:         SPF @ 2'       GO CONTAINERS       Fax #:       Fax #:         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP7 @ SURFACE       GI I       GO CONTAINERS       III IIIIII 1       12011 1       12001 1         SP7 @ 3       GI I       GI I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>WEST BRUSHY 8 FEDERAL SWD#1     State:     Zip:       n:     EDDY COUNTY, NM     Phone #:       JEFF ORNELAS     Fax #:       Sample I.D.     Rome #:       System     Fax #:       System     GROUNDWATER       System     GROUND WATER       System     GROUND WATER       System     GROU</td><td>Image: EDDY COUNTY, NM         Istate:         Image: Edite         <thimage: edite<="" th=""> <thimage: edi<="" td=""><td>Image: FORMELAS     Phone #:<br/>Eax #:<br/>Fax #:       JEFF ORNELAS     Fax #:<br/>Fax #</td><td>JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue<td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td><td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td><td>Sample I.D.         Band of (f)           SP5 @ 2'         G
GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J J J J J J J J</td><td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td><td>SP5 @ 2'       Control of Control of</td><td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       Image: Cardinal's including whouldinal's including whoulding whoulding whoul images.<td>SP7 @ 3'       21       120117       10:44 PM       120117       10:44 PM       120117       10:44 PM       120117       10:57 AM       10:57 AM</td><td>SP8 @ SURFACE       Image: Cardinal's liability and client's exclusive tensely for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the formation and any other cause whatscover shall be deemed waived unless match nowing and received by Cardinal within 30 days after completion of the applicable and of reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above staled be incurred by client. It is subsidiaries.         Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td></td></thimage:></thimage:></td></td<></td> | 397-6388         Fax #:         575-397-0397         Adm:         Tumor           WEST BRUSHY 8 FEDERAL SWD #1         State:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Sinte:         Zip:         Project Owner:         Op           JEFF ORNELAS         Fax #:         Project Owner:         Op         Project Owner:         Project Owner: <td< td=""><td>Project Owner:     Address:       WEST BRUSHY 8 FEDERAL SWD #1     State:     Zip:       ar:     EDDY COUNTY, NM     None#:     None#:       JEFF ORNELAS     Fax #:     Zip:       system:     Fax #:     Zip:       Sample I.D.     In COMPARE     Fax #:       SP6 @ 2'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP7 @ SURFACE     Gip Containers     Gip Containers       SP7 @ 10     SURFACE     Gip Containers     Gip Containers     
 SP7 @ 20     3'     Gip Containers     Gip Containers       SP7 @ 20     1     Jip Jip Jip Jip Jip Jip Jip Jip Jip Jip</td><td>Project Owner:       O       City:         nr:       EDDY COUNTY, NM       None #:       June #:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:         Sample I.D.       Reserved       Fax #:       Fax #:         SPF @ 2'       GO CONTAINERS       Fax #:       Fax #:         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP7 @ SURFACE       GI I       GO CONTAINERS       III IIIIII 1       12011 1       12001 1         SP7 @ 3       GI I       GI I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>WEST BRUSHY 8 FEDERAL SWD#1     State:     Zip:       n:     EDDY COUNTY, NM     Phone #:       JEFF ORNELAS     Fax #:       Sample I.D.     Rome #:       System     Fax #:       System     GROUNDWATER       System     GROUND WATER       System     GROUND WATER       System     GROU</td><td>Image: EDDY COUNTY, NM         Istate:         Image: Edite         <thimage: edite<="" th=""> <thimage: edi<="" td=""><td>Image: FORMELAS     Phone #:<br/>Eax #:<br/>Fax #:       JEFF ORNELAS     Fax #:<br/>Fax #</td><td>JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue<td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td><td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td><td>Sample I.D.         Band of (f)           SP5 @ 2'         G GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J J J J J J J J</td><td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td><td>SP5 @ 2'       Control of Control of</td><td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       Image: Cardinal's including whouldinal's including whoulding whoulding whoul images.<td>SP7 @ 3'       21       120117       10:44 PM       120117       10:44 PM       120117       10:44 PM       120117       10:57 AM       10:57 AM</td><td>SP8 @ SURFACE       Image: Cardinal's liability and client's exclusive tensely for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the formation and any other cause whatscover shall be deemed waived unless match nowing and received by Cardinal within 30 days after completion of the applicable and of reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above staled be incurred by client. It is subsidiaries.         Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business
interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td></td></thimage:></thimage:></td></td<> | Project Owner:     Address:       WEST BRUSHY 8 FEDERAL SWD #1     State:     Zip:       ar:     EDDY COUNTY, NM     None#:     None#:       JEFF ORNELAS     Fax #:     Zip:       system:     Fax #:     Zip:       Sample I.D.     In COMPARE     Fax #:       SP6 @ 2'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP6 @ 1'     Gip Containers     Gip Containers       SP7 @ SURFACE     Gip Containers     Gip Containers       SP7 @ 10     SURFACE     Gip Containers     Gip Containers       SP7 @ 20     3'     Gip Containers     Gip Containers       SP7 @ 20     1     Jip | Project Owner:       O       City:         nr:       EDDY COUNTY, NM       None #:       June #:         JEFF ORNELAS       Fax #:       Fax #:       Fax #:         Sample I.D.       Reserved       Fax #:       Fax #:         SPF @ 2'       GO CONTAINERS       Fax #:       Fax #:         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP6 @ 2'       GO CONTAINERS       GO CONTAINERS       DATE       TIME         SP7 @ SURFACE       GI I       GO CONTAINERS       III IIIIII 1       12011 1       12001 1         SP7 @ 3       GI I       GI I       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | WEST BRUSHY 8 FEDERAL SWD#1     State:     Zip:       n:     EDDY COUNTY, NM     Phone #:       JEFF ORNELAS     Fax #:       Sample I.D.     Rome #:       System     Fax #:       System     GROUNDWATER       System     GROUND WATER       System     GROUND WATER       System     GROU | Image: EDDY COUNTY, NM         Istate:         Image: Edite         Image: Edite <thimage: edite<="" th=""> <thimage: edi<="" td=""><td>Image: FORMELAS     Phone #:<br/>Eax #:<br/>Fax #:       JEFF ORNELAS     Fax #:<br/>Fax #</td><td>JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue<td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td><td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td><td>Sample I.D.         Band of (f)           SP5 @ 2'         G GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J J J J J J J J</td><td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td><td>SP5 @ 2'       Control of Control of</td><td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion
      &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       Image: Cardinal's including whouldinal's including whoulding whoulding whoul images.<td>SP7 @ 3'       21       120117       10:44 PM       120117       10:44 PM       120117       10:44 PM       120117       10:57 AM       10:57 AM</td><td>SP8 @ SURFACE       Image: Cardinal's liability and client's exclusive tensely for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the formation and any other cause whatscover shall be deemed waived unless match nowing and received by Cardinal within 30 days after completion of the applicable and of reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above staled be incurred by client. It is subsidiaries.         Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td></td></thimage:></thimage:> | Image: FORMELAS     Phone #:<br>Eax #:<br>Fax #:       JEFF ORNELAS     Fax #:<br>Fax # | JEFF ORNELAS         Far.#:           Sample I.D.         Intrux         PRESERV         SAMPLING           SP5 @ 2         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue           SP6 @ 11         G) AB OR (C) OMP.         G) AB OR (C) OMP.         Intrue         Intrue <td>Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td> <td>Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I</td> <td>Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th</td> <td>Sample I.D.         Band of (f)           SP5 @ 2'         G GROUNDEWATE           SP6 @ SURFACE         G GROUNDEWATE           SP6 @ 1'         G GROUNDEWATE           SP6 @ 2'         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ SURFACE         G GROUNDEWATE           SP7 @ 2'         G J G CONTAINE           SP7 @ 2'         G J J J J J J J J J J J J J J J J J J J</td> <td>SP5 @ 2'       G = A = B = A = A = A = A = A = A = A = A</td> <td>SP5 @ 2'       Control of Control of</td> <td>SP6 @ SURFACE       11/19/17       14/0 PM       2         SP6 @ 1'       S       1       1/20/17       9:00 AM       2         SP6 @ 3'       S       1/20/17       9:00 AM       2       1/20/17       9:00 AM       2         SP7 @ SURFACE       S       1       1/20/17       9:30 AM       2       2       1/20/17       10:31 AM       2       2       2       1/20/17       10:31 AM       2       2       2       2       1/20/17       10:31 AM       2       2       2       2       2       2       1/20/17       10:31 AM       2       <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       10       10       10       10       10       10       10       10       10       10      
10       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile incurred by the client.       Image: Cardinal's including whoul imakion, business interruptions, loss of use, or loss of profile.         Interruption       Received By:       Received By:       Image: Cardinal's including whoul images, including whoul images.       Image: Cardinal's including whouldinal's including whoulding whoulding whoul images.<td>SP7 @ 3'       21       120117       10:44 PM       120117       10:44 PM       120117       10:44 PM       120117       10:57 AM       10:57 AM</td><td>SP8 @ SURFACE       Image: Cardinal's liability and client's exclusive tensely for any claim artising whether based in contract or tort, shall be limited to the amount paid by the client for the formation and any other cause whatscover shall be deemed waived unless match nowing and received by Cardinal within 30 days after completion of the applicable and of reliated to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above staled be incurred by client. It is subsidiaries.         Date       Date       Received By:       Phone Result:       Yes       No         (Circle One)       Time:       Sample Condition       CheckED BY:       Phone Result:       Yes       No         Bus - Other:       # 75       5,729       Condition       CheckED BY:       Phone Result:       Yes       No</td><td>a new ways, variance is an any other results exclusive remedy for any claim arising without limitation, basis interruptions, basis of use, or loss of promotion of the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state of each result in the applicable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of problem incurved by claim is based upon any of the above state resons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above stated reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, regardless of weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         and of related to the performance of services thereunder by Cardinal, weather such claim is based upon any of the above state reasons or otherwise.         (Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<></td> | Sample I.D.       MATRX       PRESERV       SAMPLING         SP5 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP6 @ 2'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 1'       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.       (G)RAB OR (C)OMP.         SP7 @ 2'       (G) I       (G)RAB OR (C)OMP.       (ID)III 100 PM       (ID)III 1100 PM       (ID)IIII 1100 PM       (ID)IIII 1100 PM       (ID)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Sample I.D.     MARX     PRESERV     SAMPLING       SP5 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ SURFACE     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     TIME     TIME       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP6 @ 2'     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.     G(G)RAB OR (C)OMP.       SP7 @ 2'     G(G) I     G(G) RAB OR (C)OMP.     G(G) I I I I I I I I I I I I I I I I I I I | Sample I.D.       Sample I.D.         SP5 @ 2'       GIRAB OR (C) OMP         SP6 @ SURFACE       GIRAB OR (C) OMP         SP6 @ 1'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP6 @ 2'       GIRAB OR (C) OMP         SP7 @ 1'       GIRAB OR (C) OMP         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP7 @ 2'       H       J         SP8 @ SURFACE       J       J         Nongone and the development and the output of the state to th | Sample I.D.         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  2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2       2 <td< td=""><td>SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10&lt;</td><td>SP6 @ 2'       SIRE       <thsire< th="">       SIRE</thsire<></td><td>SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1</td><td>SP7       ©       SURFACE       G       I       Inclusion       &lt;</td><td>SP7       Q       1       Inclusion       Inclusion<td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. 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(Circle One)       Time;         Bus - Other:       Theorem of the top of</td><td>Time: Solution     Received By:     Fine: Result:     Yes     No       Circle One)     Time: Solution     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Received By:     Fine: Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"&gt;Colspan="2"&gt;Colspan="2"     Fine Result:     Yes     No       Bus - Other:     # 75     5, 20     Sample Condition     CHECKED BY:     Colspan="2"     No     No     No     No     No</td><td>Image: Non-State     Time: Non-State     Control of the state     Fax Result:     Two state       Date:     Date:     Date:     Received By:     Non-State     Remarks:       Circle One)     Time:     5     Sample Condition     CHECKED BY:     Remarks:       Bus - Other:     H     TS     5, 20     Press Press     Cool Intact:     Initials</td><td>Circle One) Time: 50 Auto By:<br/>(Circle One) Time: 50 Auto Auto Auto Auto Auto Auto Auto Auto</td><td>Circle One) Time: 50 JULL JULL<br/>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5,20 Cool Intact<br/>Cool Intact<br/>Cool Intact<br/>No No No</td><td>(Circle One) Sample Condition C<br/>Bus - Other: # 75 5, 20 Cool Intact<br/>No No No No</td><td>Bus - Other: #75 5,20 Cool Intact</td><td></td><td></td></td></td></td<> | SP6 @ 1'       9       1       9       12017       9       90 AM       12017       9       9       9       9       9       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       9       9       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10       12017       10< | SP6 @ 2'       SIRE       SIRE <thsire< th="">       SIRE</thsire<> | SP6 @ 3'       12017       9:30 AM       12017       9:30 AM       12017         SP7 @ 1'       9       1       12017       9:50 AM       12017       9:50 AM       12017         SP7 @ 2'       9       1       12017       10:50 AM       12017       10:15 AM       12017       10:15 AM       12017       10:15 AM       1   
   1       1       1       1       1       1       1       1       1       1       1       1       1 | SP7       ©       SURFACE       G       I       Inclusion       < | SP7       Q       1       Inclusion       Inclusion <td>SP7 @ 2'       SP8 @ SURFACE       1/20/17       10:33 AM       Images         10anages. Cardinats liability and clients exclusive remedy for any claim ansary whitter based in contract or text, shall be minuted to the amount paid by the client for the first of the performance of services harewater by Cardinal white 30 days after completion of the application of the application. business interruptions, loss of use, or loss of profile incurred by Cardinal white 30 days after completion of the application.         and of or related to the performance of services harewater by Cardinal makein, regardless of whether such claim is based upon any of the above stated reasons or otherwise.       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### Page 75 of 247

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### RDINAL LABORATORIES (505) 393-2326 FAX (505) 393-2476 101 East Marland, Hobbs, NM 88240

# <u>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</u> $\beta^{\alpha}$

Page 16 of 18

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Project Manager: Cliff Brunson

P.O. #:

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BBC International, Inc.

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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State:     Zip:       Phone #:     GROUNDWATER       WASTEWATER     SOIL       OIL     SLUDGE       OIL     SLUDGE       OTHER :     ACID/BASE:       ICE / COOL     ICE / COOL       1/20/17     2:57 PM       1/20/17     3:18 PM       1/20/17     3:52 PM       1/20/17     4:10 PM	SP10@4'           SP11@SP11@SURFACE           SP12@2'           SP12@2'           SP12@5'           SP12@5'	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM 1/20/17 2:57 PM 1/20/17 3:18 PM 1/20/17 3:29 PM 1/20/17 3:52 PM 1/20/17 4:10 PM	
# CONTAINERS       GROUNDWATER       MATRIX       Phone #:       OIL       OIL       SOIL       OIL       SOIL       OIL       SLUDGE       OTHER :       ACID/BASE:       ICE / COOL       OTHER :       ICE / COOL       INTRE       INTRE <td>SP10         Q           SP11         Q           SP11         Q           SP12         Q</td> <td>OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM 1/20/17 2:57 PM 1/20/17 3:18 PM 1/20/17 3:52 PM 1/20/17 4:10 PM</td> <td></td>	SP10         Q           SP11         Q           SP11         Q           SP12         Q	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM 1/20/17 2:57 PM 1/20/17 3:18 PM 1/20/17 3:52 PM 1/20/17 4:10 PM	
# CONTAINERS       GROUNDWATER       MATRIX       Phone #:       OIL       OIL       SOIL       OIL       SUDDGE       OTHER :       ACID/BASE:       ICE / COOL       OTHER :       ICE / COOL       OTHER :       ICE / COOL       OTHER :       ICE / COOL       ICE / CO	SP10         Q           SP11         Q           SP11         Q           SP11         Q           SP12         Q           I         I           SOIL         OIL	OTHER : ACID/BASE: ICE / COOL OTHER : ICE / COOL ICE / COOL OTHER : ICE / COOL ICE / COOL	
# CONTAINERS       GROUNDWATER       MATRIX       Phone #:       OIL       DATE       ICE / COOL       OTHER :       IZO/17       Z45 PM       IZO/17       Z120/17       Z120/17       Z18 PM       IZO/17       Z18 PM       IZO/17       Z18 PM       IZO/17       I	SP11 @ SP12 @ 1' GROL WAST SOIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM 1/20/17 2:45 PM 1/20/17 3:18 PM	
# CONTAINERS       GROUNDWATER       WASTEWATER       SOIL       OIL       SLUDGE       OTHER :       ACID/BASE:       ICE / COOL       OTHER :       ICE / COOL	SP11 @ SURFACE SP11 @ SURFACE SP11 @ 1' SP11 @ 2' SP11 @ 2' SOIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM 1/20/17 2:57 PM 1/20/17 3:18 PM	
# CONTAINERS GROUNDWATER GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : ICE / COOL OTHER : ICE / COOL II20/17 2:57 PM	SP10 @ 4 SP11 @ SURFACE GROU WAST SOIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM	
# CONTAINERS GROUNDWATER GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : ICE /	SP10 @ 4 GROL WAST SOIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER : 1/20/17 2:45 PM	
# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME	SP10 (G)RA # CON GROU WAST SOIL OIL	OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME	
# CONTAINERS GROUNDWATER GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER : ACID/BASE: CE / COOL DTHER : DATE TIME TIME	(G)R4 # CON GROL WAST SOIL DIL	DTHER : ACID/BASE: CE / COOL DTHER : DTHER : DTHER :	
State: Zi Phone #: Fax #: MATRIX PRESERV	AB OR (C)OM NTAINERS JNDWATER EWATER		
State: Phone #: Fax #:	Ρ.		
State: Phone #:		Fax #:	
State:		Phone #:	
Project Owner: 06 City:	Project #: Project Owner:	City:	
Fax #: 575-397-0397 Address:	5/5-39/-6388 Fax #: 575-397	Address:	
State: NM Zip: 88241 Attn:	bbs State: NM Zip:	Attn: Attn:	
Company: AS	Address: P.O. Box 805	Company: AAS	
P.O. #	Project Manager: Cliff Brunson	#	
	Secondary Marile: BBC International, Inc.	BILL TO	

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ARDINAL LABORATORIES

-Released to Imag	ging: 1/31/2024 8:.	37:52 AM

T Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476	Sampler - UPS - Bus - Other:     Sampler     Cool     Intact     (Initials)       Image: No in the second state     Initials     Initials	Time: Circle Angles Time: Time: SO	REMARKS:	Yes INO	ent shall Can ssors arising	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount rack but the client for the second for th				V 1/20/17 5:34 PM V	* # V S O S O A	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL DIL SLUDGE DTHER : CE / COOL DTHER :	Fax #:	10	MEST DDirect Von Concernent (1)6 City:	Phone #: 3/3-39/-5388 Fax #: 575-397-0397 Address:	EZE DOZ DODO State: NM Zip: 88241	Unson P.O. #:	ional, Inc.	DINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 505) 393-2326 FAX (505) 393-2476
			□ No	] Yes	Die .															CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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September 27, 2023

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WEST BRUSHY 8 FED SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 12:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 1 (0-1') (H235170-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	222	111	200	0.390	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	216	108	200	1.43	
EXT DRO >C28-C36	19.1	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 2 (0-1') (H235170-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	81.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 2 (2'-3') (H235170-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	27.5	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 3 (0-1') (H235170-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 4 (0-1') (H235170-05)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 5 (0-1') (H235170-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 5 (2'-3') (H235170-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3760	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	84.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 6 (0-1') (H235170-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 :	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	77.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.8	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 7 (0-1') (H235170-09)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 8 (0-1') (H235170-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	43.1	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	81.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 8 (2'-3') (H235170-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	83.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 8 (3'-4') (H235170-12)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	82.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.3	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 9 (0-1') (H235170-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 10 (0-1') (H235170-14)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	82.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 11 (0-1') (H235170-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	82.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 11 (2'-3') (H235170-16)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.5	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 12 (0-1') (H235170-17)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/25/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	79.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.1	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 13 (0-1') (H235170-18)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	83.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 14 (0-1') (H235170-19)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	82.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 14 (2'-3') (H235170-20)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.83	91.5	2.00	4.83	
Toluene*	<0.050	0.050	09/25/2023	ND	1.90	95.0	2.00	5.33	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	1.89	94.4	2.00	4.88	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	5.76	96.1	6.00	3.49	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	84.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.1	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	09/22/2023	Sampling Date:	09/21/2023
Reported:	09/27/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP EDDY COUNTY, NM		

### Sample ID: AH - 23 - 15 (0-1') (H235170-21)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/25/2023	ND	1.95	97.5	2.00	4.14	
Toluene*	<0.050	0.050	09/25/2023	ND	2.05	102	2.00	5.37	
Ethylbenzene*	<0.050	0.050	09/25/2023	ND	2.20	110	2.00	4.94	
Total Xylenes*	<0.150	0.150	09/25/2023	ND	6.00	100	6.00	5.19	
Total BTEX	<0.300	0.300	09/25/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/25/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/23/2023	ND	202	101	200	0.877	
DRO >C10-C28*	<10.0	10.0	09/23/2023	ND	205	103	200	0.746	
EXT DRO >C28-C36	<10.0	10.0	09/23/2023	ND					
Surrogate: 1-Chlorooctane	85.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.0	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### Received by OCD: 1/29/2024 12:23:08 PM

#140 Flandard Date Changed put custome 9/27/2 #140 Rush Date Changed put custome 9/27/2 Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	Ved-By: Sample Condition CHECKED BY: Cool Intact (Initials) Thermometer ID Correction Factor	Image: March
emailed. Please provide Email address: Saun, abort Abort Abort.	eemed waived unless made in writing and received by Cardinal within 30 days after completion of the approximation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, rainal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. <b>Received By:</b> All Results are	and Damages. Calcular a sustry and can be determined by the cause whatsoever can be able for incidental or consequental damages. Cardinal be lable for incidental or consequental damages. Find out of or related to the performance of services here By: Date: By: Time:
	°	$\begin{array}{c c} & & & \\ &$
		- AH-23-1 (0-1) - AH-23-2 (0-1) - AH-23-2 (0-1) - AH-23-2 (0-1)
Chloride	LUDGE THER : CID/BASE: EE / COOL THER : THER :	A35770 Lab I.D. Sample I.D.
<u>215 M</u>	MATRIX PRESERV SAMPLING 8021	e: Want
500	Address: Exmant Phillips City: H State: Zip:	Phone #: Fax #: Project #: AJAC-MD-01997AProject Owner: Colucco Project Name: West Birushy & Fed SWD:
	Hwy Shite 2310 Ip: 78750	In capital of Texa
ANALYSIS REQUEST	BILL TO	(575) 393-2326 FAX (575) 393-2476
	5	101 East Marland, Hobbs, NM 88240

Page 102 of 247

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## oratories CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

City: Project Manager: Project Location: Project Name: Project #: 2 2C-MD-Phone #: Address: 89 Company Name: Sampler Name: analyses. All vialing service. In no event shall Ca Relinquished By: Relinquished By: LEASE NOTE: FOR LAB USE ONLY Sampler - UPS -Delivered By: (Circle One) 23 CK Lab I.D. Austin A 5 000 2 JC Y 2 Wes. Bus - Other: 101 East Marland, Hobbs, NM 88240 Edvar (575) 393-2326 FAX (575) 393-2476 War etra Jan Jun ap ta Sample I.D 1 02997 Birushy Ramos BUNTY een of dolo at Observed Temp. °C Corrected Temp Project Owner: Cousco Puillips Texpas Fax #: 9-22-23 Time: 1, 1/1-State: Time: Date: Date: 2 + Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com Feen 12:47 Zip: thur ô SWI (G)RAB OR (C)OMP à Received By: **Heceived By:** # CONTAINERS ~ 78750 Duite GROUNDWATER Cool Intact Yes Yes No No No WASTEWATER Sample Condition MATRIX SOIL 23(0 OIL write Building SLUDGE P.O. #: City: Company: Fax #: State: loss of use OTHER : Phone #: Address: E Mula Attn: Same ACID/BASE PRESERV or loss of profits ICE / COOL CHECKED BY: BILL OTHER (Initials) P Zip: DATE 10 SAMPLING × 51:1184 00-0 lient, its Turnaround Time: All Results are emailed. Thermometer ID #140 Correction Factor 0°C REMARKS: \* Sample Date Verbal 2:30 2:15 TIME 1:00 .30 1:30 00; Result: of the 8021 B X V 801 5N × Yes Please provide Email address: Standard Rush 4500 X lovi des O No ANALYSIS Add'l Phone #: am, abloct Cool Intact Bacteria (only) Sample Condition chaused REQUEST Observed Temp. °C Corrected Temp. °C ratech, com per custo ° q 100/100 0 Ù 2 P

FORM-006 R 3.4 07/11/23

### Page 103 of 247

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Page 25 of 26

### Project Manager: Sam Sampler Name: Project Location: Eddy Project Name: WES Project #: W2C-MD-Phone #: city: Austin Address: 89M Company Name: Relinquished By: Relinguished By: analyses. All claims service. In no event shall Cardinal be 1935120 Sampler - UPS - Bus - Other: FOR LAB USE ONLY Delivered By: (Circle One) EASE NOTE: Lab I.D. FORM-006 R 3.4 07/11/23 2 (575) 393-2326 FAX (575) 393-2476 VOUN let Capi AH-23-15/0-1 Sample I.D. Ramos 12a BICKSMY 029991A Project Owner: County 10 ort Lean or Observed Temp. °C Corrected Temp. Fax #: Time: Date: Time: Date: State: Texas + 00 Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com 22-23 コンド 1eg shall be dee ô thay Zip: 78750 2 (G)RAB OR (C)OMP Conoco Phillips 2 M -2°-Received By: Received By: # CONTAINERS Im Suite GROUNDWATER Cool Intact Yes Yes 林 WASTEWATER Sample Condition MATRIX SOIL 2310 OIL SLUDGE City: Company: Fax #: State: loss of use, or Address: Ennari Attn: Sam P.O. #: OTHER Phone #: ACID/BASE: PRESERV ICE / COOL × CHECKED BY: loss of BILL OTHER (Initials) Zip: SU/D profits within 30 days after tetra Abbott DATE 10 N/33:3:30 SAMPLING red by client, its subsidiaries, paid by the All Results are emailed. Please provide Email address: Thermometer ID #140 Correction Factor 0°C Turnaround Time: tech REMARKS: ¥ Sample Verbal Result: TIME tion of the applicable 2 80 B × Ves 65 × Standard Rush 4500 X Salm, ON D

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS

REQUEST

Page 26 of 26

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27 3 Date change

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Bacteria (only) Sample Condition Cool Intact Observed Temp.

Observed Temp. °C Corrected Temp. °C

Yes Yes

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tean Con

202

Add'l Phone #:

### Received by OCD: 1/29/2024 12:23:08 PM

ARDIN

101 East Marland, Hobbs, NM 88240

oratories



December 06, 2023

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WEST BRUSHY 8 FED SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 12/01/23 10:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	12/01/2023	Sampling Date:	11/30/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 1 (0-1') (H236457-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	121	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	207	104	200	5.34	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	194	97.0	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	93.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.3	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	12/01/2023	Sampling Date:	11/30/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 5 (0-1') (H236457-02)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/01/2023	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	207	104	200	5.34	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	194	97.0	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.4	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	12/01/2023	Sampling Date:	11/30/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: AH-23-16 (0-1') (H236457-03)

BTEX 8021B	mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/01/2023	ND	416	104	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	207	104	200	5.34	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	194	97.0	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	12/01/2023	Sampling Date:	11/30/2023
Reported:	12/06/2023	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Dionica Hinojos
Project Location:	COP- EDDY COUNTY, NM		

#### Sample ID: AH-23-17 (0-1') (H236457-04)

BTEX 8021B	mg,	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/04/2023	ND	2.02	101	2.00	1.52	
Toluene*	<0.050	0.050	12/04/2023	ND	2.00	100	2.00	0.386	
Ethylbenzene*	<0.050	0.050	12/04/2023	ND	2.00	99.9	2.00	0.250	
Total Xylenes*	<0.150	0.150	12/04/2023	ND	5.90	98.3	6.00	0.317	
Total BTEX	<0.300	0.300	12/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/01/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/01/2023	ND	207	104	200	5.34	
DRO >C10-C28*	<10.0	10.0	12/01/2023	ND	194	97.0	200	7.25	
EXT DRO >C28-C36	<10.0	10.0	12/01/2023	ND					
Surrogate: 1-Chlorooctane	95.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.1	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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DO	R
rat	D
Or	Z
PS	F

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-006 R 3.2 10/07/21

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

rection Factor -0.5°C OA

Ves Ves

Corrected Temp. "C

n of the applicable

service. In no



January 09, 2024

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WEST BRUSHY 8 FED SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/08/24 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T-24-1 (6'-7') (H240058-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	130	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

#### Sample ID: T-24-2 (5'-5.5') (H240058-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	122 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	115 9	6 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T-24-3 (7'-7.5') (H240058-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	126	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

#### Sample ID: T-24-4 (8'-8.5') (H240058-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	118 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 9	% 49.1-14	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T-24-5 (6'-7') (H240058-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	129 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/09/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T-24-16 (5'-6') (H240058-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	128 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122 9	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

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

Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

inquisitien by:	Neiiiiquisiieu by.	alinguished Dur		Relinquished By: Colton Bickerstaff	affialtes or successors arising out of or related to the performance of services hereunder by Cardinal, negaridiess of whether such claim is based upon any of the above state reasons or otherwise	recever while: Looking and Damages. Cardinals lability and client's writiskive remedy for any claim arising whether based in contract or bot, shall be limited to the amount paid by the client for the and event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of tase, or base to toolfs incurred for client in a and the device and the subscription of tase.					1-24-16 (5'-6')	5 1-24-5 (6-7)	<b>9</b> 1-24-4 (8'-8.5')	× *			1 T-24-1 (6-7)	Hartoss			Sampler Name: Colton Bickerstaff	Project Location: Eddy County, New Mexico	Project Name: West Brushy 8 Federal SWD #001	Project #: 212C-MD-02997A		tin	Address: 8911 Capital o Texas Hwy, Suite 2310	Project Manager: Sam Abbott	company Name: Letra Lech	(5
	Time:	Date:	OZ 8Quit	staff Date: 01/08/24	sformance of services hereunder by Cardinal, regar	id client's exclusive remedy for any claim arising whether ntal damages, including without limitation, business					3		5')	<u>(c</u>				Sample I.D.			taff	, New Mexico	ederal SWD #001	197A Project Owner:	_		Hwy, Suite 2310	× *		(575) 393-2326 FAX (575) 393-2476
		Received By:		Received By	dless of whet	based in contra interruptions, I					G 1	G 1	G 1	G 1	G 1	G	1	(G)RAB OR (C # CONTAINER		_						Zip:			2	-2476
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Received by OCD: 1/29/2024 12:23:08 PM

FORM-006 R 3.2 10/07/21

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

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# **CARDINAL** Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 120 of 247



January 11, 2024

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WEST BRUSHY 8 FED SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/08/24 8:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 1 (3'-4') (H240059-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1630	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 1 (5'-6') (H240059-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	110	48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 2 (0-1') (H240059-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4120	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 2 ( 2'-3' ) (H240059-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1700	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	122	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 2 (3'-4') (H240059-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 3 (3'-4') (H240059-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 3 (5'-6') (H240059-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3360	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	124	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 3 (6'-7') (H240059-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 4 (0-1') (H240059-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 4 (2'-3') (H240059-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 4 (3'-4') (H240059-11)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 4 (5'-6') (H240059-12)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	1.90	94.8	2.00	11.6	
Toluene*	<0.050	0.050	01/08/2024	ND	1.86	92.8	2.00	12.2	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	1.84	92.1	2.00	12.2	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	5.37	89.4	6.00	12.4	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	176	87.8	200	0.331	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	166	83.0	200	1.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 4 (6'-7') (H240059-13)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143 9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 5 (3'-4') (H240059-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	01/08/2024	ND	448	112	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/04/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 5 (5'-6') (H240059-15)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 6 (0-1') (H240059-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	211	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	155 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 6 (1'-2') (H240059-17)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	11.2	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 7 (0-1') (H240059-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	118 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 7 (2'-3') (H240059-19)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4280	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	88.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.2	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 7 (3'-4') (H240059-20)

BTEX 8021B	mg	/kg	Analyze	d By: JH					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	GC-NC
Total Xylenes*	0.271	0.150	01/08/2024	ND	6.11	102	6.00	8.63	GC-NC1
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	176	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.2	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	45.9	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	135	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	149	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 7 (5'-6') (H240059-21)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	112 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

# Sample ID: T - 24 - 7 (6'-7') (H240059-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	128	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144	% 49.1-14	8						

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#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

#### Sample ID: T - 24 - 8 (0-1') (H240059-23)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 8 (2'-3') (H240059-24)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	118	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 8 (3'-4') (H240059-25)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 9 (0-1') (H240059-26)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	124 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 \$	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 9 ( 2'-3' ) (H240059-27)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	72.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 10 (0-1') (H240059-28)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	126 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 10 (2'-3') (H240059-29)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	72.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 11 (0-1') (H240059-30)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	116 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 11 ( 2'-3' ) (H240059-31)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	129 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	148 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 11 (3'-4') (H240059-32)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.54	
Toluene*	<0.050	0.050	01/08/2024	ND	2.02	101	2.00	8.68	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.00	100	2.00	9.22	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.11	102	6.00	8.63	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	195	97.6	200	5.84	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	177	88.4	200	6.44	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	123 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 \$	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 12 (0-1') (H240059-33)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	204	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 9	% 49.1-14	8						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 13 (0-1') (H240059-34)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	204	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	111 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	134	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 13 ( 2'-3' ) (H240059-35)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	204	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	113 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	135 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 14 (0-1') (H240059-36)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	225	113	200	1.77	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	204	102	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	75.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 14 ( 2'-3' ) (H240059-37)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	QM-07
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	122 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	138 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 15 (0-1') (H240059-38)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 :	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1470	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	121	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 15 (1'-2') (H240059-39)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	125 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 16 (0-1') (H240059-40)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 9	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 16 (2'-3') (H240059-41)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3240	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	125 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	140 \$	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: T - 24 - 16 (3'-4') (H240059-42)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3040	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	78.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 1 (0-1') (H240059-43)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	128 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	144 9	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 2 (0-1') (H240059-44)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	119 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	131	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 3 (0-1') (H240059-45)

BTEX 8021B	mg	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/08/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/08/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/08/2024	ND					
Surrogate: 1-Chlorooctane	109	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123	% 49.1-14	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/08/2024	Sampling Date:	01/05/2024
Reported:	01/11/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Tamara Oldaker
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 4 (0-1') (H240059-46)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/08/2024	ND	2.06	103	2.00	9.26	
Toluene*	<0.050	0.050	01/08/2024	ND	2.14	107	2.00	5.09	
Ethylbenzene*	<0.050	0.050	01/08/2024	ND	2.26	113	2.00	3.91	
Total Xylenes*	<0.150	0.150	01/08/2024	ND	6.82	114	6.00	3.98	
Total BTEX	<0.300	0.300	01/08/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/08/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	221	111	200	7.98	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	222	111	200	5.51	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-05	The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

7       T-24.3 (5-6')         8       T-24.3 (6-7')         9       T-24.4 (0-1')         PLASE NOTE: Lively of Drawys Contract having and Daray and D	7         T-24-3 (5-6')           8         T-24-3 (6-7')           9         T-24-4 (0-1')           9         T-24-4 (0-1')           10         T-24-4 (2-3')           Reservence under de metores under and forder and derifs and	's exclusive re mages, includ	7 T-24-3 (5-6) 8 T-24-3 (6-7) 9 T-24-4 (0-1) 17-24-4 (0-1) 10 T-24-4 (2-3) SAME HOTE: Liably on Company. Cardinal's healthy and cherc's analysis run and shall contain the margine. Cardinal's healthy and cherc's analysis run particular the state of the state			7 T-24-3 (5'-6')		( 1-24-3 (J-4')	S 1-24-2 (5-4')	(C-2) 7-47-1 L	<b>D</b> 1-24-2 (0-1)	2 T-24-1 (0-0)	T 24 1 (5-4')	Sample I.D.	Lab I.D.	FOR LAB USE ONLY	Sampler Name: Colton Distances	Project I ocation: Eddy County & Federal SWD #001	Project Name Wat Project Project Name Wat Project Proj	0400 MD 00007	(512)565-0100	City: Austin	Address: 8911 Canifal o Texas Hunz Suite 2240	Project Manager: Cam Abbet	101 East Maria (575) 393-232 Company Name: Tetra Toch
may to any chain a winny a web. The year of the second lenders, region as hereunder by Cardinal, region Date: 01/08/24 Time Date:	of for any claim axiang weather gravitour limitation, business in horenunder by Cardinal, nagar Date: 01/08/24 Time 820	oly for any claim arising whether g without limitation, business i hereunder by Cardinal, regar	hether															#001	Project Owner:		State: IX	2	0040		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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D BY: Is)	Y		ated reasons or otherwise.	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	1/4/2024	DATE	SAM			Zip:		AIL	bott	Company: Tetra Tech		BILL TO	
Turnaround Time: Rush: NIA	REMARKS:	Werbal Result:         Yes         No         Add'I Phone #:           All/Results are emailed.         Please provide Email address:         Sam,Abbott@tetratech.com AND           Sobeth.Chavira@tetratech.com         AND	ms including those for negligence and any other									1		TIME	SAMPLING										
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**CARDINAL** Laboratories

1/5       T-24-5 (S-6)       G       1       X       1/42       1/42         1/6       T-24-6 (0-1)       G       1       X       1/42       1/42         1/7       T-24-6 (1-2)       G       1       X       1/42       1/42         1/7       T-24-6 (1-2)       G       1       X       1/42       1/42         1/8       T-24-7 (0-1)       G       1       X       1/42       1/42         1/8       T-24-7 (2-3)       G       1       X       1/42       1/42         7-244       T-24-7 (2-3)       G       1       X       1/42       1/42         7-10       G       1       X       1/42       1/42       1/42         7-244       T-24-7 (2-3)       G       1       X       1/42       1/42         7-10       G       1       X       1/42       1/42       1/42         7-10       G       1       X       1/42       1/42       1/42         7-10       G       1       X       1/42       1/42       1/42         8-11       Gamma       I       X       I       X       1/42       1/42 <t< th=""><th>15         T-24-5 (5'-6')           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-7 (0-1')           19         T-24-7 (2'-3')           20         T-24-7 (2'-3')           100         T-24-7 (3'-4')           100</th><th>15         T-24-5 (5'-6')           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-6 (1'-2')           18         T-24-7 (2'-3')           19         T-24-7 (2'-3')           10         T-24-7 (3'-4')           10         T-24-7 (3'-4')<!--</th--><th>15         T-24-5 (5'-6)           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-7 (0-1')           19         T-24-7 (2'-3)           19         T-24-7 (2'-3)           10         T-24-7 (3'-4)           10         T-24-7 (3'-4)</th><th>23012012</th><th>15 T-24-5 (5'-6) 16 T-24-6 (0-1') 17 T-24-6 (1'-2') 18 T-24-7 (0-1') 19 T-24-7 (2'-3')</th><th>/5 T-24-5 (5-6) /6 T-24-6 (0-1) /7 T-24-6 (1-2) /8 T-24-7 (0-1)</th><th>/<u>/</u> /<u>/</u> /7 T-24-6 (0-1')</th><th>15 T-24-5 (5'-6') 16 T-24-6 (0-1')</th><th>15 T-24-5 (5'-6')</th><th></th><th>_</th><th>13 T-24-4 (6'-7')</th><th>12 T-24-4 (5'-6')</th><th>1-24-4 (3'-4')</th><th>22</th><th>Lab I.D.</th><th>FOR LAB USE ONLY</th><th>rioject Location: Eddy County, New Mexico</th><th>Project Location File Control of Control of</th><th>Project #: 212C-MD-02997A</th><th></th><th></th><th>City: Austin</th><th>Address: 8911 Capital o Texas Hunt Suite 2240</th><th>Project Manager: Sam Abbott</th><th>101 East (575) 3</th><th></th></th></t<>	15         T-24-5 (5'-6')           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-7 (0-1')           19         T-24-7 (2'-3')           20         T-24-7 (2'-3')           100         T-24-7 (3'-4')           100	15         T-24-5 (5'-6')           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-6 (1'-2')           18         T-24-7 (2'-3')           19         T-24-7 (2'-3')           10         T-24-7 (3'-4')           10         T-24-7 (3'-4') </th <th>15         T-24-5 (5'-6)           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-7 (0-1')           19         T-24-7 (2'-3)           19         T-24-7 (2'-3)           10         T-24-7 (3'-4)           10         T-24-7 (3'-4)</th> <th>23012012</th> <th>15 T-24-5 (5'-6) 16 T-24-6 (0-1') 17 T-24-6 (1'-2') 18 T-24-7 (0-1') 19 T-24-7 (2'-3')</th> <th>/5 T-24-5 (5-6) /6 T-24-6 (0-1) /7 T-24-6 (1-2) /8 T-24-7 (0-1)</th> <th>/<u>/</u> /<u>/</u> /7 T-24-6 (0-1')</th> <th>15 T-24-5 (5'-6') 16 T-24-6 (0-1')</th> <th>15 T-24-5 (5'-6')</th> <th></th> <th>_</th> <th>13 T-24-4 (6'-7')</th> <th>12 T-24-4 (5'-6')</th> <th>1-24-4 (3'-4')</th> <th>22</th> <th>Lab I.D.</th> <th>FOR LAB USE ONLY</th> <th>rioject Location: Eddy County, New Mexico</th> <th>Project Location File Control of Control of</th> <th>Project #: 212C-MD-02997A</th> <th></th> <th></th> <th>City: Austin</th> <th>Address: 8911 Capital o Texas Hunt Suite 2240</th> <th>Project Manager: Sam Abbott</th> <th>101 East (575) 3</th> <th></th>	15         T-24-5 (5'-6)           16         T-24-6 (0-1')           17         T-24-6 (1'-2')           17         T-24-7 (0-1')           19         T-24-7 (2'-3)           19         T-24-7 (2'-3)           10         T-24-7 (3'-4)           10         T-24-7 (3'-4)	23012012	15 T-24-5 (5'-6) 16 T-24-6 (0-1') 17 T-24-6 (1'-2') 18 T-24-7 (0-1') 19 T-24-7 (2'-3')	/5 T-24-5 (5-6) /6 T-24-6 (0-1) /7 T-24-6 (1-2) /8 T-24-7 (0-1)	/ <u>/</u> / <u>/</u> /7 T-24-6 (0-1')	15 T-24-5 (5'-6') 16 T-24-6 (0-1')	15 T-24-5 (5'-6')		_	13 T-24-4 (6'-7')	12 T-24-4 (5'-6')	1-24-4 (3'-4')	22	Lab I.D.	FOR LAB USE ONLY	rioject Location: Eddy County, New Mexico	Project Location File Control of	Project #: 212C-MD-02997A			City: Austin	Address: 8911 Capital o Texas Hunt Suite 2240	Project Manager: Sam Abbott	101 East (575) 3	
as including without including without of services horewardsr by Carabina, high Date: 01/08/24 Timy & Zb Date: Time:	et including without installing video es, including without installing, baseline of services instantical for Date: 01/08/24 Timy F. 20	cluste remely for any claim arking wheth es, including without limitation, busines of services hereunder by Cardinal, reg Date: 01/08/24	cclusive remedy for any claim arising wheth es. including without limitation, busines												le I.D.			Mexico	al SWD #001	Project Owner:	Fax #:	State:		Suite 2240		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	
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Bacteria (only) s Observed Temp. "C		I No Ise provid			×	X	×	Х	Х	X	Х	Х	×	0	Chloride SM4	50	00C	I-E	3		-	_	_	-			F-CUS
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2014			OC LINEAR DAY	ultin 20		1	+	+	$\dagger$	+	+	+	-	-						-	-	-		-			IEST

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			Sampler - UPS - Bus - Other:	Daliwood Der Come	williquisticu by.	Relinquished By:	Control Dickerstan	Relinguished Bur D	affiliates or successors arising o	PLEASE NOTE: Liability and Dama event shall Carrinal he liable for	30	29	-1	es	R		24	1-	1		10	H240059	Lab I.D.	FOR LAB USE ONLY	Sampler Name: Colton Bickerstaff	Project I ocation:	Project Name: We	Project #:	Phone #:	City: Austin	Address: 8911 C	Project Manager: Sam Abbott		Company Name: Tetra Tech
			,					Alton Diskouter	affiliates or successors arising out of or related to the performance of services hersunder by Cardinal, regardless of whether such claims based upon any of the above studied reasons or the services hersunder by Cardinal, regardless of whether such claims to based upon any of the above studied reasons or the services.	ages. Cardinal's liability and client's exclusive rer	T-24-11 (0-1')	T-24-10 (2'-3')	T-24-10 (0-1')	T-24-9 (2'-3')	T-24-9 (0-1')	T-24-8 (3'-4')	T-24-8 (2'-3')	1-24-8 (0-1')	1-24-1 (0-1)	T 74 7 (61 71)	T-24-7 (51-61)	Sample I.D.			Sampler Name: Colton Bickontoff	Eddy County of Fourial	Project Name: West Brushy & Endersi SWD 4004	212C-MD-02997A	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suite 2310	: Sam Abbott		(575) 393 Tetra Tech
			Observed Temp. °C	Time:	Date:	UZ8Jami	Date: 01/08/24		Including without limitation, business services hereunder by Cardinal, rega	sive remedy for any claim arising whethe												I.D.			exico		Fluject Owlief:	Droiget Duringer		State: TX	ite 2310			(575) 393-2326 FAX (575) 393-2476
		¢	23		Received By:	C	Received By		s interruptions, lor ardiess of whethe	er based in contrac		G I	G I	G 1	G 1	G 1	G 1	G 1	G 1	G	+	(G)RAB OR (C)OMP	Þ,							X Zip:				3-2476
	0N 0 0N		Sample		d By:	and a	d By:	-	iss of use, or loss or such claim is b	d or tort, shall be lin		X	X	×	_		_				м	GROUNDWATER		1			Conoc							
	No	The state	Sample Condition			ma		in the code see	of profits incurre ased upon any of	miled to the amount					×	×	×	X	X	×	0		MATRIX				ConocoPhillips							
	£	)	CHE		1	A	1	Daters anne an	d by client, its subt	David by the client to	< >	<	V X	< ;	X	×	×	×	X	X		THER : CID/BASE: DE / COOL	PRESERV.	Fax #:	Phone #:	State:	City:	MUUTESS: EMAIL	Address: EMAIL	Attn. Sam	Company	P.O. #:		
	. 9	(Initials)	CHECKED BY:			Not the	A	sasons or otherwis	idaries,	1/5/2024	12071C11	1/2/00/2/1	1/5/100	1/5/2024	1/5/2024	1/5/2024	1/5/2024	1/5/2024	1/5/2024	1/5/2024	O DATE	THER :	T			Zip:		EMAIL	ENVI	Ahhott	Company: Tetra Tech		BILL TO	
	Thermometer ID <#440 Correction Factor _0.50	Rush: N/A	Turnaround Time:		REMARKS:	Lisbeth.Chavira@tetratech.com	Verbal Result: Ves	P	use in a second s	4						4	4	4	4	14	E TIME		SAMPLING								5		0	
p	D	Cool Intact	Standard			vira@tetrat	It: Ves		tor negligence a	X	×	< >		< >	< >	<>	<>	< ;	×	X	т	PH 8015M								1				
5	4/4					tech.com			and any other c	X	×	* >	*	{ >	< >	< >	< >	< ;	×	X	B	STEX 80211	3											
11813	6	Observed Temp, "C	Bacteria (only) San			provide Ema	0		5	-	X	×	×	{ >	< >	< >	< >	< >	X	×	C	chloride SM	[45	000	CI-)	B	1	_				-	A	
			only) Sample Condition			ill address:	Add'I Phone #:		shall be deemed			t		ļ	t	t	+	+	+						_	_	_	_	_		_		AL YSIS	
	Ves Ves					Sam.Abbo	one #:		waived unless ma	_			-	-	+	+	+	+	+	+					,		_	_				NEWOE	ANAI YSIS REDIJEST	
						r rease provide Email address: Sam,Abbott@tetratech.com AND :ch.com			ade in writing and						t		t	t											_				CT	
,						h.com AND			atsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after	_							-	+	+	+														
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**CARDINAL** Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		Relinquished By: Date:		Relinquished By: Colton Bickerstaff Date:		T-24-	<b>39</b> T-24-15 (1'-2')	<b>3</b> T-24-15 (0-1')	37 T-24-14 (2'-3')	0,	35 T-24-13 (2'-3')	<b>34</b> T-24-13 (0-1')	33 T-24-12 (0-1')	÷	<b>31</b> 1-24-11 (2'-3')	Sample I.D.	Lab I.D.	Sampler Name: Colton Bickerstaff		Project   ocation: Eddy County New Project   Ocation: New Project   Ocation: New Project   Ocation: Eddy County New Project   Ocation:	Project #: 212C-MD-02997A Project		tin	Contraction of the second seco	Address: 8911 Canital o Tevas Liver Suite oato	Project Manager: Sam Abbott	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Tetra Tech	
Observed Temp. °C 7 - Sample Condition	a monomed by.	0000	Received By	regar	ny claim arising whether based in contract or tort, shall be limited to the amount of limitation, business interruptions, loss of use, or loss of profits incurre	G 1	-	-	-				-	G 1 X	Х	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	D. MATRIX				Owner: ConocoPhillips		State: TX Zip:				01 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	ies
CHECKED BY:		NO PUNITA	all all has	the above stated reasons or otherwise.	t paid by the client for the analyses. All claims of by client its subsidiaries	X 1/5/2024	1	+	+	A USDOA	-	-	-		X		PRESERV. SA	Fax #:	Phone #:	State: Zip:	City:	Address: EMAIL	Attn: Sam Abbott	Company: Tetra Tech	P.O. #:	BILL TO		
Turnaround Time: Standard	REMARKS:	ciaocui, oliavii a@ietrateca, com	Verbal Result:		ins including those for negligence and any other	< >	V A	X	× ×	X	×	e X	-	V		Е ГРН 8015М	SAMPLING								-	0		CHAIN
*	2		s 🗆 No 👘 Add'l Phone #: . Please provide Email address: Sam.		Cause whatsoever shall be deemed	+	+	+	+	+	+	+	+	+	+	BTEX 8021E Chloride SM		00C	I-)	B						ANALYSIS		CHAIN-OF-CUSTODY AN
			Add'I Phone #: vide Email address: Sam.Abbott@tetratech.com AND		waived unless made in writing and received by Cardina								14													REQUEST		ISTODY AND ANALYSIS REQUEST
				na with out days after com																			,	_				EST

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FORM-006 R 3.2 10/07/21

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# aboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tetra Tech Project Manager: Sam Abbott	#											BIL	BILL TO	R. JANG, MALON				ANALYSIS REQUEST	-YSI	72	QUE	TS				1	
Address: 8911 C	Address: 8911 Capital o Texas Hwy. Suite 2310	ite 2310									1		-									_			-		
City: Austin		State: TX	Zip:							the state	Cam	Attn: Sam Abbott	Attn: Sam Abbott		-												
Phone #:	(512)565-0190									-		Address EMAIL	-		-							_					
Project #:	212C-MD-02997A	Project Owner:			2	ConocoPhilling	oPh	illin	_	Citv-					-												
roject Name: W	Project Name: West Brushy 8 Federal SWD #001	WD #001						- International Providence	+	tato	1		in.		-						-				-		
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TUJECI LOCATION	Floject Location: Eddy County, New Mexico	exico							P	Phone #:	e #						CI-									_	
ampler Name:	Sampler Name: Colton Bickerstaff								77	Fax #:				×			00				-	_				_	
TON LAB USE UNLY							MATRIX	X	ł	문	PRESERV.	?	SAMPLING	LING	-		50				-						
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hh	H-24-2 (0-1')		Ģ	-			×	+	+	Т	×	+	1/5/2024		< >	< >	< >				+	╀	1		T	+	
45	H-24-3 (0-1')		G	-			×	+		Т	X;	+	1/5/2024		< >	< >	< >				┢	┝	1		T	+	
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Int shall Cardinal be liable t lates or successors arising	event water, survey are ourspace, currant is used and or detained memory for any chain using whether which is noticed or to detail to have not paid by the client for the analyses. All or event what for includents are leading to be client for the analyses. All or and the set of the client of t	sive remedy for any claim arising whether including without limitation, business services hereunder by Cardinal, regar	hased in interruption	ontract ons, loss whether	or lort, a s of use such c	hall be l b, or los laim is l	s of pro based u	the among the second se	unt pair arred by of the	d by the dient, above	its sub	or the anal sidiaries, reasons or	lyses. All claims otherwise.	clent for the analyses. All claims including those for negligence and any other cause what its subskilleries.	r negligence	and any other	cause what	scever shall be deemed waived unless made in writing and received by Cardinal within 30 days after	be deeme	d waived	i unless n	ade in w	riting and	1 received	by Cardi	nal wit	2
elinquished By:	Relinquished By: Colton Bickerstaff	Date: 01/08/24	Received By:	ived	BY						2		$\mathbf{\lambda}$	Verbal Result:	: 🗆 Yes	es 🗆 No	No	Þ	Add'l Phone #:	hone	77						
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Kelinquisned By:		Date: Time:	Received By:	ived	By:				2				Z	REMARKS: Please <u>HOLD</u> sample ID T-24-13 (3'-4')	lease HO	LD samp	le ID T-2	4-13 (3'-	43								
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service. In no



January 16, 2024

SAM ABBOTT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: WEST BRUSHY 8 FED SWD #1

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 1 (7'-8') (H240134-01)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	110 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 1 (8'-9') (H240134-02)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 1 (9'-10') (H240134-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 3 (8'-9') (H240134-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 3 (9'-10') (H240134-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	90.7	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	98.1	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 3 (10'-11') (H240134-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.19	110	2.00	0.774	
Toluene*	<0.050	0.050	01/13/2024	ND	2.15	107	2.00	2.74	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.23	112	2.00	3.44	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.71	112	6.00	3.60	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	01/12/2024	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	94.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager


TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 4 (9'-10') (H240134-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/12/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	159	79.4	200	21.7	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	165	82.6	200	20.0	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 4 (10'-11') (H240134-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/12/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	80.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.2	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 11 (4'-5') (H240134-09)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.3	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 11 (5'-6') (H240134-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1460	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 11 (6'-7') (H240134-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.5	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 11 (8'-9') (H240134-12)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.8	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 15 (2'-3') (H240134-13)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	88.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 15 (3'-4') (H240134-14)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	86.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.3	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 15 (5'-6') (H240134-15)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 15 (6'-7') (H240134-16)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.3	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 16 (6'-7') (H240134-17)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	88.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 16 (7'-8') (H240134-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.36	118	2.00	2.92	
Toluene*	<0.050	0.050	01/13/2024	ND	2.23	111	2.00	4.00	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.34	117	2.00	2.87	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	7.01	117	6.00	2.57	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 16 (8'-9') (H240134-19)

BTEX 8021B	mg,	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.10	
Toluene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.16	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	6.45	107	6.00	3.37	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 16 (9'-10') (H240134-20)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.10	
Toluene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.16	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	6.45	107	6.00	3.37	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.5	% 49.1-14	8						

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TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: BH - 24 - 16 (14'-15') (H240134-21)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.10	
Toluene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.16	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	6.45	107	6.00	3.37	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.7	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 5 (0-1') (H240134-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.10	
Toluene*	<0.050	0.050	01/12/2024	ND	2.21	111	2.00	3.16	
Ethylbenzene*	<0.050	0.050	01/12/2024	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	01/12/2024	ND	6.45	107	6.00	3.37	
Total BTEX	<0.300	0.300	01/12/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.2	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH SAM ABBOTT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received:	01/11/2024	Sampling Date:	01/10/2024
Reported:	01/16/2024	Sampling Type:	Soil
Project Name:	WEST BRUSHY 8 FED SWD #1	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 02997A	Sample Received By:	Shalyn Rodriguez
Project Location:	COP- EDDY COUNTY, NM		

### Sample ID: H - 24 - 6 (0-1') (H240134-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/13/2024	ND	2.21	111	2.00	3.10	
Toluene*	<0.050	0.050	01/13/2024	ND	2.21	111	2.00	3.16	
Ethylbenzene*	<0.050	0.050	01/13/2024	ND	2.21	110	2.00	3.58	
Total Xylenes*	<0.150	0.150	01/13/2024	ND	6.45	107	6.00	3.37	
Total BTEX	<0.300	0.300	01/13/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2024	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2024	ND	181	90.3	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/12/2024	ND	176	88.0	200	15.4	
EXT DRO >C28-C36	<10.0	10.0	01/12/2024	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Kelinquisned By:			Relinquished By: Colton Bickerstaff	event shall Cardinal be liable it affiliates or successors arising	PLEASE NOTE: Liability and Dan	0)	3	8	2	6	7	4	3	2	_	цав і.d. Начо134	FOR LAB USE ONLY	Sampler Name: Colton Bickerstaff	Project Location:	Project Name: We	Project #:	Phone #:	City: Austin	Address: 8911 Ca	Project Manager: Sam Abbott	Company Name: Tetra Tech	
	one) s - Other:				Colton Bickerstaff	ir incidental or consequental damag out of or related to the performance	nages. Cardinal's liability and client's exclu	BH-24-11 (5'-6')	BH-24-11 (4'-5')	BH-24-4 (10'-11')	BH-24-4 (9'-10')	BH-24-3 (10'-11')	BH-24-3 (9'-10')	BH-24-3 (8'-9')	BH-24-1 (9'-10')	BH-24-1 (8'-9')	BH-24-1 (7'-8')	Sample I.D.		olton Bickerstaff	Project Location: Eddy County, New Mexico	Project Name: West Brushy 8 Federal SWD #001	212C-MD-02997A	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suite 2310	Sam Abbott	Tetra Tech	
	Corrected Temp. °C	Time:	Data IOV	Time: 1210	Date: 01/10/24	event shall cultinal be able for incodental or consequential damages, including without imitation, business interruptions, toks or use, or toks of prints incurred by clent, its substituties, affiliates or successors arising out of or related to the performance of services hearing in the print of section of the other secti	clusive remedy for any claim arising whether											₿I.D.			fexico	SWD #001	Project Owner:	Fax #:	State: T	uite 2310			(575) 393-2326 FAX (575) 393-2476
-	2	Kec	20	2	Reco	regardless of	ether besed in co	G	G	G	G	G	G	G	G	G	G	(G)RAB OR (C)OMP.	_	×					TX Zip:				3-2476
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	San	By:	2	3	By:	such clai	ct or tort, shall be lit	_	_			_				_		GROUNDWATER WASTEWATER					Con						
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2	(I	~	R	~		stated re	client for the	X	Х	Х	Х	Х	Х	Х	Х	Х	Х	ICE / COOL OTHER :	PRESERV.		#			Address: EMAIL	am /	any:		_	
12	CHECKED BY: (Initials)		)	>	v	adiaries, asons or otherwise.	the analyses. All claims	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	1/10/2024	DATE				Zip:		MAIL	Attn: Sam Abbott	Company: Tetra Tech		BILL TO	新御知時間に御
Correction Factor	Turnaround Time: Rush: N/A	REMARNS:	DEMADICO.	All Results are emailed. Please Lisbeth.Chavira@tetratech.com	Verbal Result:		ms including those for negligence and any other cause			,								TIME	SAMPLING									~	
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Product Manager: Sam Abbelt         PD. F.         PD. F. <th>Company Name: Tetra Tech</th> <th></th> <th>(575) 393-2326 FAX (575) 393-2476</th> <th>-2476</th> <th></th>	Company Name: Tetra Tech		(575) 393-2326 FAX (575) 393-2476	-2476																			
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Company Name: Tetra Tech

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

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# APPENDIX D BBC Closure Report (2019)

# **Closure Report**

	Site Description
Site Name:	West Brushy 8 Federal SWD #1
Company:	COG Operating LLC
Legal Description:	U/L A, Section 8, T26S, R29E
County:	Eddy County, NM
GPS Coordinates:	N 32.06422° W-103.99710°

# **Release Data**

Date of Release:	9/13/15, 7/3/16, 1/24/17, and 5/27/17
Type of Release:	Produced water
Source of Release:	Flowline leaks
Volume of Release:	30 bbls, 25 bbls, 30 bbls, 30 bbls
Volume Recovered:	3 bbls, 0 bbls, 15 bbls, 20 bbls

	Remediatio	n Specifications
Remediation Parameters:	Remediation was work plan.	conducted based on the depths approved in each
Remediation Activities:	9/14/18 to 12/27	7/18
Plan Sent to OCD:	Dates vary	Email from Cliff Brunson to Mike Bratcher
OCD Approval of Plan:	2/22/18	Email from Mike Bratcher to Cliff Brunson
Plan Sent to BLM:	Dates vary	Email from Cliff Brunson to Shelly Tucker
BLM Approval of Plan:	2/14/18	Email from Shelly Tucker to Cliff Brunson

	Supporting Documentation
Initial C-141	Signed 10/24/15, 7/8/16, 1/25/17, and 6/1/17
Final C-141	Signed 1/14/19
Site Diagram	Dates vary
Pictures	Remediation, liner, and backfill 9/17/18 to 12/27/18

# **Request for Closure**

Based on the completion of the remediation plan, BBC International, Inc. requests closure approval from NMOCD.

Cliff Brunson, President, BBC International, Inc.

01/22/2019

State of New Mexico Oil Conservation Division

Application ID

Page 205 of 247

# 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: Rebecca Haskell Title: Senior HSE Coordinator 

 Printed Name:
 Image: Instant Printed Name:

 Signature:
 Reference:

 Signature:
 Reference:

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 I **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Title:\_\_\_\_\_ Printed Name:

Received by OCD: 1/29/2024 12:23:08 PM

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	
District RP	2RP-3774
Facility ID	
Application ID	

# Closure

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

<b>Closure Report Attachment Checklist:</b> Each of the following	tems 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 photo must be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate OL	OC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of	lations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: Senior HSE Coordinator
OCD Only	··· , ··· ,
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

State of New Mexico Oil Conservation Division

Incident ID	
District RP	2RP-4094
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: Senior HSE Coordinator Printed Name: Rebecca Haskell 
 Printed Name:
 Ite:

 Signature:
 Revea Hashell

 Date:
 1/14/19

 email:
 rhaskell@concho.com

 Telephone:
 (432) 683-7443
 email: rhaskell@concho.com OCD Only Received by: \_\_\_\_\_ Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Title: Printed Name:

Received by OCD: 1/29/2024 12:23:08 PM

Form C-141 Page 6 State of New Mexico Oil Conservation Division

Incident ID	
District RP	2RP-4240
Facility ID	
Application ID	

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# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: Senior HSE Coordinator Printed Name: Rebecca Haskell Printed Name: 10000000 1 Hachen Inte: Signature: <u>RelVecca Hayhell</u> Date: <u>1/14/19</u> email: rhaskell@concho.com Telephone: (432) 683-7443 OCD Only Received by: \_\_\_\_\_ Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_ Title: Printed Name:



Received by OCD: 1/29/2024 12:23:08 PM






































Received by OCD: 1/29/2024 12:23:08 PM



## APPENDIX E Site Characterization Data

## OCD - Land Ownership



9/26/2023, 10:14:09 AM

**Mineral Ownership** 

Land Ownership

BLM

A-All minerals are owned by U.S.

0.01 0.02 km 0 0.01 U.S. BLM, Maxar, Microsoft, Esri, HERE, Garmin, iPC

0.01

0.02 mi

New Mexico Oil Conservation Division

0

Page 222 of 247

Released to Imaging: 1/31/2024 8:37:52 AM

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

# Received by OCD: 1/29/2024 12;23:08 PM National Flood Hazard Layer FIRMette



### Legend

regulatory purposes.

### Page 223 of 247



1,500 Releas220 Im220ng: 1/31/2024 8.997:52 AM

2,000

Basemap Imagery Source: USGS National Map 2023



9/26/2023, 10:23:19 AM Karst Occurrence Potential

Medium



New Mexico Oil Conservation Division

BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC, Maxar, BLM

Released to Imaging: 1/31/2024 8:37:52 AM

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

## 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)	`	•					2=NE 3 st to larg	=SW 4= gest)	,	D83 UTM in me	eters)	(	n feet)	
POD Number	POD Sub- Code basin Co	ounty		Q 16		Sec	Tws	Rng		x	Y	Distance		-	Water Column
C 03507 POD1	С	ED	1	3	3	05	26S	29E	5930	64	3548313 🌍	1611	140	78	62
C 03508 POD1	С	ED	1	3	3	05	26S	29E	5930	63	3548361 🌍	1624	140	75	65
											Avera	ge Depth to	Water:	76	feet
												Minimum	Depth:	75	feet
												Maximum	Depth:	78	feet
Record Count: 2															

UTMNAD83 Radius Search (in meters):

Easting (X): 594622.15

Northing (Y): 3547903.47

Radius: 1700

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

## **OCD** Waterbodies



1/25/2024, 9:30:55 AM

OSW Water Bodys

**OSE** Streams



New Mexico Oil Conservation Division

Esri, HERE, Garmin, iPC, Maxar, NM OSE

**Released to Imaging: 1/31/2024 8:37:52 AM** 

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

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## APPENDIX F Photographic Documentation



TETRA TECH, INC. PROJECT NO. 212C-MD-02997a	DESCRIPTION	View northeast of open excavation in vicinity of SP11 over subsurface line.	1
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	9/19/2018





TETRA TECH, INC. PROJECT NO. 212C-MD-02997a	DESCRIPTION	View west of open excavation in vicinity of SP12. Power poles and high-pressure tank.	3
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	9/27/2018



	TETRA TECH, INC. PROJECT NO. 212C-MD-02997a	DESCRIPTION	View west of open excavation in vicinity of SP11. Power poles and high-pressure tank	4
		SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	9/27/2018



TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View west of open excavation in vicinity of SP12. Power poles and high-pressure tank	5
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/8/2018



PROJECT NO.		Subsuitace liftes.	
212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/8/2018



TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View of open excavation in vicinity of SP7. Subsurface lines.	7
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/8/2018



TETRA TECH, INC.	DESCRIPTION	View west of open excavation in vicinity of SP12. Power poles and high-pressure tank.	8
PROJECT NO. 212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	Unknown 2018

Г



TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View west of open excavation in vicinity of SP7. Trunkline and riser.	9
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/17/2018





TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View north of open excavation in vicinity of SP11. Power poles and surface polyline.	11
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/11/2018



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View northeast of open excavation in vicinity of SP8, SP10, and SP11. Power poles and surface polyline.	12
212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/17/2018



TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View west of open excavation in vicinity of SP2. Power poles and high-pressure tank.	13
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	Unknown 2018



TETRA TECH, INC. PROJECT NO. 212C-MD-02997	DESCRIPTION	View south of backfilled area. Power poles and high- pressure tank.	14
	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	10/17/2018



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View west of backfilled area. Power poles and high- pressure tank.	15
212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	Unknown 2018



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View north of backfilled area.	16
212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	Unknown 2018







TETRA TECH, INC.	DESCRIPTION	View north-northwest of 2023 Site conditions.	21
PROJECT NO. 212C-MD-02997	SITE NAME	WEST BRUSHY 8 FEDERAL SWD #001 Release nAB1619432451	8/9/2023

## APPENDIX G BLM Seed Mixture

(27)

BLM Serial #:

Company Reference:

### 3.2 Seed Mixture for LPC Sand/Shinnery Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)\* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed\* per acre:

Species	<u>lb/acre</u>
Plains Bristlegrass	5lbs/A
Sand Bluestem	5lbs/A
Little Bluestem	3lbs/A
Big Bluestem	6lbs/A
Plains Coreopsis	2lbs/A
Sand Dropseed	1lbs/A

\*Pounds of pure live seed: Pounds of seed **x** percent purity **x** percent germination = pounds pure live seed

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

QUESTIONS

Action 309000

40-01101		
Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	309000	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

#### QUESTIONS Droroguioitoo

rierequisites	
Incident ID (n#)	nAB1619432451
Incident Name	NAB1619432451 WEST BRUSHY 8 FEDERAL SWD #001 @ 30-015-31675
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-31675] WEST BRUSHY 8 FEDERAL SWD #001

#### Location of Release Source

Please answer all the questions in this group.	
Site Name	WEST BRUSHY 8 FEDERAL SWD #001
Date Release Discovered	07/03/2016
Surface Owner	Federal

#### Incident Details

Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

#### Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission Crude Oil Released (bbls) Details Not answered. Cause: Corrosion | Flow Line - Production | Produced Water | Released: 25 BBL | Recovered: Produced Water Released (bbls) Details 0 BBL | Lost: 25 BBL Is the concentration of chloride in the produced water >10,000 mg/l Yes Condensate Released (bbls) Details Not answered. Natural Gas Vented (Mcf) Details Not answered. Natural Gas Flared (Mcf) Details Not answered. Other Released Details Not answered. Are there additional details for the questions above (i.e. any answer containing Not answered. Other, Specify, Unknown, and/or Fire, or any negative lost amounts)

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

Page 242 of 247

QUESTIONS, Page 2

Action 309000

QUESTIONS (continued)		
Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	309000	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

	Nature and Volume of Release (continued)		
	Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
ſ	Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
	Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
	With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.		

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	diation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Christian LLuLL Title: Project Manager Email: christian.llull@tetratech.com

Date: 01/29/2024

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

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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

**QUESTIONS** (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	309000
	Action Type:
	[C-141] Site Char /Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	d the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

#### Remediation Plan

Please answer all the questions t	hat apply or are indicated. This information must be provided to	o the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	plan approval with this submission	Yes
Attach a comprehensive report de	emonstrating the lateral and vertical extents of soil contamination	on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.
Have the lateral and vertica	al extents of contamination been fully delineated	Yes
Was this release entirely c	ontained within a lined containment area	No
Soil Contamination Sampling	<b>g:</b> (Provide the highest observable value for each, in m	nilligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	14600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	211
GRO+DRO	(EPA SW-846 Method 8015M)	211
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.3
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 I		0 ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 I which includes the anticipated tin	NMAC unless the site characterization report includes complete	
Per Subsection B of 19.15.29.11 which includes the anticipated tin On what estimated date wi	NMAC unless the site characterization report includes complete nelines for beginning and completing the remediation.	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
Per Subsection B of 19.15.29.11 I which includes the anticipated tin On what estimated date wi On what date will (or did) t	NMAC unless the site characterization report includes complete relines for beginning and completing the remediation. ill the remediation commence	ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA 08/01/2024
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significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 3

Action 309000

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

QUESTIONS, Page 4

Action 309000

QUESTIONS (continued)		
Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	309000	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

#### QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants: (Select all answers below that apply.) (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) Yes Which OCD approved facility will be used for off-site disposal HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] OR which OCD approved well (API) will be used for off-site disposal Not answered. OR is the off-site disposal site, to be used, out-of-state Not answered. OR is the off-site disposal site, to be used, an NMED facility Not answered. (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) Not answered (In Situ) Soil Vapor Extraction Not answered. (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) Not answered. (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) Not answered. (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) Not answered. Ground Water Abatement pursuant to 19.15.30 NMAC Not answered. OTHER (Non-listed remedial process) Not answered. Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation 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. Name: Christian LLuLL Title: Project Manager I hereby agree and sign off to the above statement Email: christian.llull@tetratech.com Date: 01/29/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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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

QUESTIONS, Page 5

Action 309000

QUESTIONS (continued)		
Operator: COG OPERATING LLC	OGRID: 229137	
600 W Illinois Ave Midland, TX 79701	Action Number: 309000	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		

Deferral Requests Only

nly answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
Requesting a deferral of the remediation closure due date with the approval of this submission	No	

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

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

District III

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

QUESTIONS,	Page 6

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Action 309000

QUESTIONS (continued)		
Operator: COG OPERATING LLC	OGRID: 229137	
600 W Illinois Ave Midland, TX 79701	Action Number: 309000	
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	
QUESTIONS		
Sampling Event Information		
Last sampling notification (C-141N) recorded	{Unavailable.}	

No

### Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission

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

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#### District III

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District IV

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

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CONDITIONS

Action 309000

CONDITIONS

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	309000
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan approved. Sidewall confirmation samples in the immediate vicinity of any pressurized lines and the "exclusion zone" on Figure 6 must be collected. Confirmation bottom and sidewall samples representative of no more than 400 square feet is approved. A complete and accurate remediation closure report will need to be submitted by April 30, 2024.	1/31/2024