

June 18, 2024

District Supervisor
Oil Conservation Division, District 2
506 W. Texas Ave.
Artesia, New Mexico 88210

Re: REVISED Release Characterization and Remediation Work Plan

**ADDENDUM** 

ConocoPhillips (Heritage Concho)

On behalf of Spur Energy Partners LLC

Big George State #3 Battery

Unit Letter J, Section 12, Township 17 South, Range 28 East

Eddy County, New Mexico

2RP-854

Incident ID nMLB1122858011

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess and evaluate current conditions associated with a historical release that occurred from the Big George State #3 (API # 30-015-28759) Battery. The approximate release site coordinates are 32.847612° -104.126449°, located in the Public Land Survey System (PLSS) Unit Letter J, Section 12, Township 17 South, Range 28 East, Eddy County, New Mexico (Site). The Site location is shown on Figures 1 and 2. The site is located on State land. The site is currently operated by Spur Energy Partners, LLC (Spur).

#### **BACKGROUND**

According to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report (Appendix A), the release was discovered on July 27, 2011. The release occurred due to a sudden rush of production causing a tank overflow due to an alarm system failure. Approximately 50 barrels (bbls) of produced water were released, of which 45 barrels (bbls) of produced water were reported recovered via vacuum truck. The NMOCD received the initial C-141 on August 2, 2011, and subsequently assigned the release the Remediation Permit (RP) number 2RP-854 and the Incident ID pMLB1122858011. The spill area measured roughly 900 square feet and all fluids were reported as contained inside the facility walls.

#### COINCIDENT RELEASE FOOTPRINT

Approximately 8 months later, according to the State of New Mexico Oil Conservation Division (NMOCD) C-141 Initial Report, a coincident release was discovered at the site on March 12, 2012. The release occurred due to a ¼' nipple on discharge side of a water pump. Approximately 8 barrels (bbls) of produced water were released, of which 7 barrels (bbls) of produced water were reported recovered via vacuum truck. The NMOCD received the initial C-141 on March 26, 2012, and subsequently assigned the release the Remediation Permit (RP) number 2RP-1079 and the Incident ID nMLB1209641725. The spill area measured roughly 600 square feet on location inside of the tank battery, with an overspray area of approximately 1500 square feet reported outside of the tank battery. As reported by BBC, the spill area is nearly identical to the pMLB1122858011 spill from July 27, 2011. These coincident releases were assessed concurrently in the current release characterization process.

Tetra Tech

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#### BBC ASSESSMENT, WORK PLAN AND REMEDIAL ACTION

On behalf of COG (predecessor), BBC International, Incorporated (BBC) was initially contracted to assess the impacts at the Site. The reported spill measured roughly 30' x 30' inside the facility walls from the July 27, 2011, release. Assessment activities and a description of the remedial action are documented in a BBC Closure Report. The two releases were addressed by BBC in one report.

The approximate release extent(s) were identified based on information provided by COG and ConocoPhillips representatives, and a review of photographs and other BBC documentation. As mentioned in the C-141, the release was contained inside the containment firewall. The GPS in the information provided from BBC is an on-pad location, approximately 50' north of the tank battery.

Initial delineation assessment was conducted at the Site on August 15, 2011, by BBC. The site delineation occurred after the initial spill response activities had been conducted by COG. Six sample points (SP1 through SP6). were advanced in the leak area using a hand auger to a total depth of 8 feet. Three samples were taken from SP1 at depths of 1 foot, 4 feet, and 8 feet. Two samples were taken from SP2 at depths of 1 foot and 4 feet. Three samples were taken from SP3 at depths of 1 foot, 3 feet, and 5 feet. Three samples were taken from SP4 at depths of 1 foot, 4 feet, and 6 feet. Three samples were taken SP5 at depths of 1 foot, 3 feet, and 7 feet. Two samples were taken from SP6 at depths of 1 foot and 3 feet. The samples were taken to Cardinal Laboratories for chloride analysis.

After discussion with the NMOCD, all parties involved agreed that additional sampling was warranted. Therefore, additional samples were collected at the agreed upon locations of SP1, SP4, and SP7. During the second sampling event, the former reserve drilling pit was discovered in the areas of SP1(A) and SP1(B). The approximate pit area is located inside the north-eastern side of the tank battery and then further north and east. As documented in the BBC report, BBC representatives met with Mike Bratcher, NMOCD, prior to the second release and the parties agreed upon a remediation plan. As documented in the report, the NMOCD agreed to allow the previously approved remediation plan to incorporate both release extents.

According to the BBC Closure Report, from July 9 to July 20, 2012, BBC personnel were onsite to remediate the release footprints in accordance with the approved remediation plan, including excavation, disposal, clay liner installation and backfill. Impacted soils were excavated to approximately 2 feet bgs inside the battery firewall, north of sample location SP4(A). Following excavation, the area was backfilled with an impermeable barrier consisting of 1-foot of compacted clay. The remaining 1-foot was then backfilled with like battery material. Upon completion of the approved remediation plan, the NMOCD agreed that no further action was required, and permission was granted to close the site. A copy of the BBC Closure Report is included in Appendix B. An approximate remedial extent is indicated in Figure 3. Results from the 2011 soil assessment are summarized in Table 1.

#### **NMOCD CORRESPONDENCE**

Although BBC submitted a closure report, based on online NMOCD imaging correspondence from Bradford Billings, NMOCD, both 2RP-854 and 2RP-1079 are deferred by the Oil Conservation Division (OCD). NMOCD imaging files state:

"some contamination left in place due to equipment. clean up deferred until site abandonment>> C-141 rec'd 8/2/11 for release on 7/27/11. Reported 50 bbls PW released w/45 bbls recovered. Source listed as water tank. Cause listed as sudden rush of production caused tank overflow - alarm system failure. Area affected approx 30'x30' inside bermed battery area. Contaminated gravel removed. Samples will be obtained for analyses."

As such, per NMOCD, these sites were indicated as deferred until Plugging & Abandonment (P&A) activities. Although not specifically detailed, when the battery had been abandoned, the site would be scheduled for remediation to officially close the incidents. Spur has provided documentation that the battery was decommissioned in December 2022.

#### **SLO CORRESPONDENCE**

As noted above, this site is currently operated by Spur Energy Partners, LLC (Spur). COP was contacted based on Spur's request to NMSLO to re-activate the Big George State #3 SWD which shares a pad with the battery. Because this well is on State lands, it requires an SWD easement with NMSLO. Spur recently received email correspondence from Mike McMillan with NMSLO requesting that Spur clean up these two open spills (2RP-1079 and 2RP-854). Associated regulatory correspondence is included in Appendix C.

Based on the SLO directives, and the assumed environmental liability retained by COP/hCXO for Spur sites, the release Site required recharacterization to determine the path forward for remedial action. Thus, the recent scope of work conducted involved additional site characterization and the vertical delineation of the release extent.

#### SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, 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 within a New Mexico oil and gas production area. The Site is in an area of medium karst potential. The site characterization data is presented in Appendix D.

#### **DTW DETERMINATION**

There are no water wells listed in the New Mexico Office of the State Engineer (NMOSE) database located with approximately ½ mile (800 meters) of the site. A licensed well drilling subcontractor was onsite on January 3, 2023, to drill a groundwater determination borehole (DTW) to 55 feet bgs at the northwest of the Big George State #3 lease pad. The borehole is indicated on Figure 4. The borehole was temporarily set and screened using 2-inch PVC well materials: 20 feet of blank casing and 35 feet of 0.010" slotted screen. The borehole was left for 72 hours and checked for the presence of groundwater. The borehole was dry upon drilling, and no water was present in the well after 72 hours. After gauging, the borehole was plugged with 3/8" bentonite chips. The boring log is presented in Appendix D.

#### **REGULATORY FRAMEWORK**

Based upon the on-pad release footprint, depth-to-water boring and 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 and in accordance with Table I of 19.15.29.12 NMAC, the RRALs for the Site are as follows:

Constituent	Site RRAL
Chloride	10,000 mg/kg
TPH (GRO+DRO+ORO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 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 feet bgs) are as follows:

Constituent	Reclamation Requirement
Chloride	600 mg/kg
TPH (GRO+DRO+ORO)	100 mg/kg
BTEX	50 mg/kg

**INITIAL 2023 SITE ASSESSMENT ACTIVITIES AND RESULTS** 

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ConocoPhillips

Tetra Tech personnel were onsite to delineate and sample the former battery area and vicinity in January 2023. A total of twenty-one (21) soil borings (BH-1 through BH-21) were installed with a truck-mounted air rotary drilling rig and eight (8) soil borings (AH-1 through AH-8) were installed using hand auger to evaluate the vertical and horizontal extent of the release(s). The sampling locations associated with the site assessment activities are shown on Figure 4.

A total of one hundred sixty-six (166) samples were collected from the sample locations and transferred under chain of custody and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal) and analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. Photographic documentation of Site conditions prior and during site assessment activities is included in Appendix E. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix F.

Results from the January 2023 soil sampling event are summarized in Table 2. Analytical results associated with the 0-1 interval at boring location BH-21 exceeded the proposed Site RRALs for TPH in soils. All other analytical results from the January 2023 sampling were below Site RRALs. An anomalous result for TPH was detected in a subsurface interval in BH-12, well outside the reported release extent. This TPH RRAL exceedance is presumably related to an unrelated historical release, based on the uncontaminated surface soil.

#### REMEDIATION WORK PLAN REJECTION

A Work Plan was submitted by Tetra Tech on behalf of COP, dated February 27, 2023, to the NMOCD via the portal describing the assessment activities and sampling results. The Work Plan was denied by Ms. Brittany Hall on June 8, 2023, with the following comments:

- Remediation plan denied. Horizontal and vertical delineation will need to be completed at BH-12. Delineation at BH-12 will need to be completed at approximately the same location of the original borehole. A borehole within 1-2 feet of the original borehole location will be acceptable. Horizontal delineation will need to occur in the four cardinal directions of the BH-12/the replacement borehole for BH-12.
- 2RP-854 closed. Refer to incident #NMLB1122858011 in all future correspondence.
- Submit a complete report through the OCD Permitting website by 9/8/2023.

The denial comments can be found on OCD Permitting, Incident Events for incident nMLB1122858011.

#### ADDITIONAL 2023 ASSESSMENT AND SAMPLING RESULTS (BH-12)

On June 20, 2023, Tetra Tech personnel returned to the Site to reassess the area of boring location BH-12 based on the NMOCD rejection. One (1) soil boring (BH-12R) was installed with a truck-mounted air rotary drilling rig to a total depth of 10-feet bgs, and sampled on one-foot intervals, per request. BH-12R was drilled approximately 2 feet east of the original BH-12 location.

The boring location was sampled continuously from surface to total depth. A total of ten (10) samples were collected from the BH-12R boring location, transferred under chain of custody, and analyzed within appropriate hold times by Cardinal for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation is included in Appendix F.

Results from the June 2023 soil sampling event are summarized in Table 3. All analytical results associated with boring location BH-12R were below the proposed Site RRALs for chloride, TPH and BTEX. The findings from the previous investigation were not confirmed with the redrilled boring. Based on the lack of potential environmental impacts in the analytical results, no further assessment of soils (both vertically and horizontally) was completed at the Site.

REVISED Release Characterization and Remediation Work Plan ADDENDUM June 18, 2024

ConocoPhillips

#### **REVISED REMEDIATION WORK PLAN REJECTION**

A Revised Work Plan was submitted by Tetra Tech on behalf of COP, dated August 24, 2023, to the NMOCD via the portal describing the additional assessment activities and sampling results. The Revised Work Plan was denied by Ms. Brittany Hall on September 20, 2023, with the following comments:

- The OCD spoke to a Spur representative and Spur stated that they will not be building in the vicinity
  of the release location.
- Per 19.15.29.12 (C)(2) The responsible party shall restore the impacted surface area of a release occurring on a developed well pad, central tank battery, drilling site, compressor site or other exploration, development, production or storage sites to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC.
- As the area of the release is no longer reasonably needed for production operations or for subsequent drilling operations, the site must meet the requirements of 19.15.29.12 NMAC and 19.15.29.13 NMAC. Horizontal delineation of BH-12 was not completed in the four cardinal directions as instructed in the previous rejection for this incident number, see application ID 191222. Horizontal delineation will need to be completed.
- Submit a complete report through the OCD Permitting website by 12/20/2023.

The denial comments can be found on OCD Permitting, Incident Events for incident nMLB1122858011.

A 90-day extension for incident ID (nMLB1122858011) was submitted to the NMOCD on December 13, 2023. The Extension was approved on December 15, 2023, for a new due date of March 19, 2024. Regulatory correspondence is included in Appendix C.

#### SUPPLEMENTAL 2024 ASSESSMENT AND SAMPLING RESULTS

On January 9, 2024, Tetra Tech personnel returned to the Site to provide supplemental data by reassessing the area of boring location BH-12 based on the NMOCD rejection. Four (4) supplemental soil borings (BH-12-24 A through BH-12-24 D) were installed with a truck-mounted air rotary drilling rig to a total depth of 10-feet bgs, and sampled on one-foot intervals, per OCD request. The boring locations were drilled in the cardinal directions; approximately 5 feet from the original BH-12/BH-12R locations.

As mentioned, the boring locations were sampled continuously from surface to total depth. A total of ten (40) samples were collected from the 4 boring locations, transferred under chain of custody, and analyzed within appropriate hold times by Cardinal for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation is included in Appendix F.

Results from the January 2024 soil sampling event are summarized in Table 4. All analytical results were below the proposed reclamation requirements and Site RRALs for chloride, TPH and BTEX. Horizontal delineation of the original BH-12 location was completed in the four cardinal directions as instructed in the OCD correspondence for this incident number. These four supplemental borings provide the necessary data to not only complete horizontal and vertical delineation of the BH-12 area, but the BH-12 area as a whole is now bound to the west by original drilled boring BH-10 to the west (for which collected data was below reclamation requirements) and boring AH-2 to the south.

Based on the location of these borings and the analytical results, no further assessment of soils (both vertically and horizontally) is required at the Site. The OCD stipulations have been fulfilled.

#### SPUR ENERGY PARTNERS CORRESPONDENCE

On April 16, 2024, ConocoPhillips Program Manager, Ike Tavarez and Spur EHS manager, Braidy Moulder met on site to inspect and determine areas needed for the continuing operation of the facility. Per Braidy Moulder, existing guy-line safety anchors in the intercardinal directions must remain in place on pad for the

current and continuing operation and maintenance of the active SWD well. The guy-line safety anchors are located approximately 60 ft from the SWD (locations indicated in Figure 4).

To maintain structural integrity of the existing guy-line safety anchor points, an additional 12 ft from the edge of the pad mandated by Spur, thus, the boundary of the developed well pad needed for production operations has been established. This newly established pad boundary is indicated in Figures 4 through 7. During remedial activities, heavy machinery will remain outside these exclusion zones to avoid any disturbance to the structural integrity of the anchors. COP and Spur have agreed that these areas are needed for production operations or for subsequent workover rig operations. The extents of this pad have been established and duly recognized by both Spur and ConocoPhillips.

As of June 11, 2024, Tetra Tech has been provided documentation that Spur will be moving a temporary Hpump System onto the Big George lease pad this month, and that it will be in operation for the next 4-6 months. As a result, Spur requested that the remediation and reclamation be put on hold until the temporary system is relocated off pad. Correspondence with Spur is included in Appendix C.

#### OCD CORRESPONDENCE

A conference call was held on March 19, 2024 between Tetra Tech and NMOCD representatives Mike Bratcher and Brittany Hall discussing the pad and pasture boundary, previous NMOCD rejection, and the proposed remedial action at the site. During the call, the NMOCD was informed of the approximate location of the new boundary edge which demarcated the pad to the west and the pasture to the east. During the call, the OCD corroborated that remedial action limits (RRALs) could be used to compare on-pad analytical results remaining to the west of boundary edge to complete remedial activities. The OCD verified that if the areas to the east meet reclamation standards, then the remediation closure report would be approved.

OCD maintained that the responsible party (Spur) would be responsible for reclamation of any remaining on-pad areas. ConocoPhillips has coordinated with Spur Representatives regarding the proposed remedial action at the site and the Work Plan Addendum. An extension was requested on March 21, 2024 to allow time for continuing correspondence between COP and Spur. The extension was approved on March 21, 2024, by Brittany Hall with a new due date of June 17, 2024. Regulatory correspondence is included as Appendix C.

#### **REVISED REMEDIATION WORK PLAN - ADDENDUM**

Based on discussions and Spur's current and continuing operation and maintenance of the active SWD well, impact discovered east of the established pad boundary will be excavated as indicated in Figure 5. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 7-feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the applicable reclamation requirements/RRALs.

Tetra Tech personnel will collect confirmation samples to be evaluated for chloride, TPH and BTEX (Figure 6). If concentrations exceed the reclamation standards (or site RRALs below 4 feet), the defined areas will be further excavated until a representative sample from the bottom of the excavation is below the reclamation standards/applicable RRALs. Any area containing pressurized lines will be hand-dug to the proposed depth shown on Figure 5 or the maximum extent practicable; heavy equipment will come no more than 4 feet from any pressurized lines, and no more than 12 feet from guy-line safety anchors.

The area of the anomalous result for TPH in a subsurface interval in boring BH-12 is proposed for excavation and removal. Confirmation sampling will be conducted at that area to confirm the efficacy of the remedial action (as indicated in Figure 6).

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Prior to confirmation sampling the NMOCD district office will be notified via the portal in accordance with Subsection D of 19.15.29.12 NMAC. Confirmation floor and sidewall samples will be collected for verification of remedial activities and analyzed for TPH, BTEX, and chloride. The estimated total volume of material to be remediated is approximately 445 cubic yards.

#### **CONFIRMATION SAMPLING PLAN**

In accordance with 19.15.29.12(D)(1)(b) NMAC, COPC proposes the following confirmation sampling plan to adhere with NMOCD requirements (Figure 6). Fourteen (14) confirmation floor sample and twelve (12) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 4,481 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 400 square feet of excavated area. Confirmation samples will be sent to an accredited analytical laboratory for analysis of chloride, TPH, and BTEX. Once acceptable results are received, the excavation will then be backfilled with clean material to surface grade.

#### SITE RECLAMATION AND RESTORATION PLAN

Following completion of the proposed remedial activities and once the reclamation requirements are achieved in the upper four feet of soil, disturbed areas will be reclaimed. Additionally, areas undisturbed by the remediation (Figure 7) will be ripped and disced.

This backfilled area and ripped areas east of the pad boundary will be seeded post-remediation (or in the first favorable growing season) to aid in revegetation. Based on the location of the Site, the NMSLO Sandy Loam (SL) Sites Seed Mixture 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. The entire proposed reclamation extent is depicted in Figure 7.

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 NMSLO 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 NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix G.

#### CONCLUSION

ConocoPhillips proposes to begin remediation and reclamation activities at the Site within 120 days of NMOCD plan approval, with concurrence from Spur. Upon completion of the proposed work, a final closure report detailing the remediation and reclamation activities and the results of the confirmation sampling will be submitted to the NMOCD. The area shall be reclaimed in accordance with 19.15.29.13 NMAC as the Site is no longer being used for oil and gas operations. The completed C-141 forms are enclosed in Appendix A.

The 2RP-1079 work plan will be submitted under separate cover. COP requests that both historical releases (2RP-1079 and 2RP-854) and subsequent work plans for the Site be reviewed concurrently. If you have any questions concerning the soil assessment or the proposed remedial activities for the Site, please call me at (512) 560-9064 or Christian at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.

Nicholas M. Poole G.I.T.

Project Manager

cc:

Mr. Ike Tavarez, RMR – ConocoPhillips Sarah Chapman, Regulatory Director, Spur Energy Partners Michael McMillan, Petroleum Specialist, Oil, Gas, and Minerals Division, NMSLO Christian M. Llull, P.G. Program Manager

TETRA TECH. INC.

#### LIST OF ATTACHMENTS

#### Figures:

- Figure 1 Overview Map
- Figure 2 Site Location/Topographic Map
- Figure 3 Approximate Release Extent and Site Assessment (BBC)
- Figure 4 Approximate Release Extent and Site Assessment (Tetra Tech)
- Figure 5 Proposed Remediation Extent
- Figure 6 Alternative Confirmation Sampling Plan
- Figure 7 Proposed Reclamation Extent

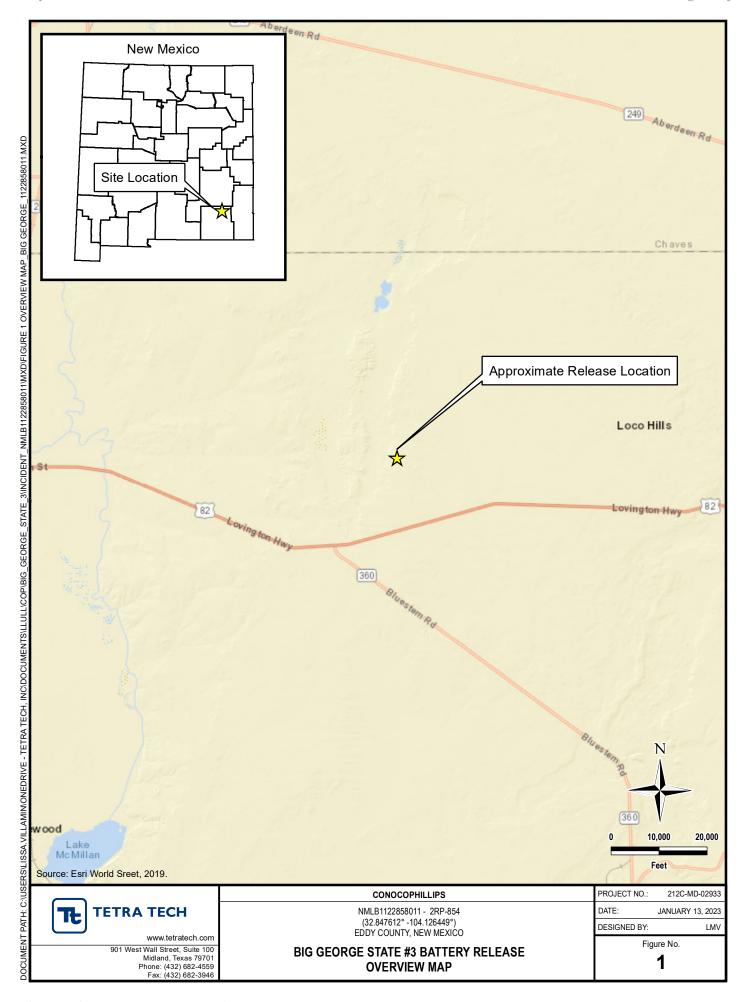
#### Tables:

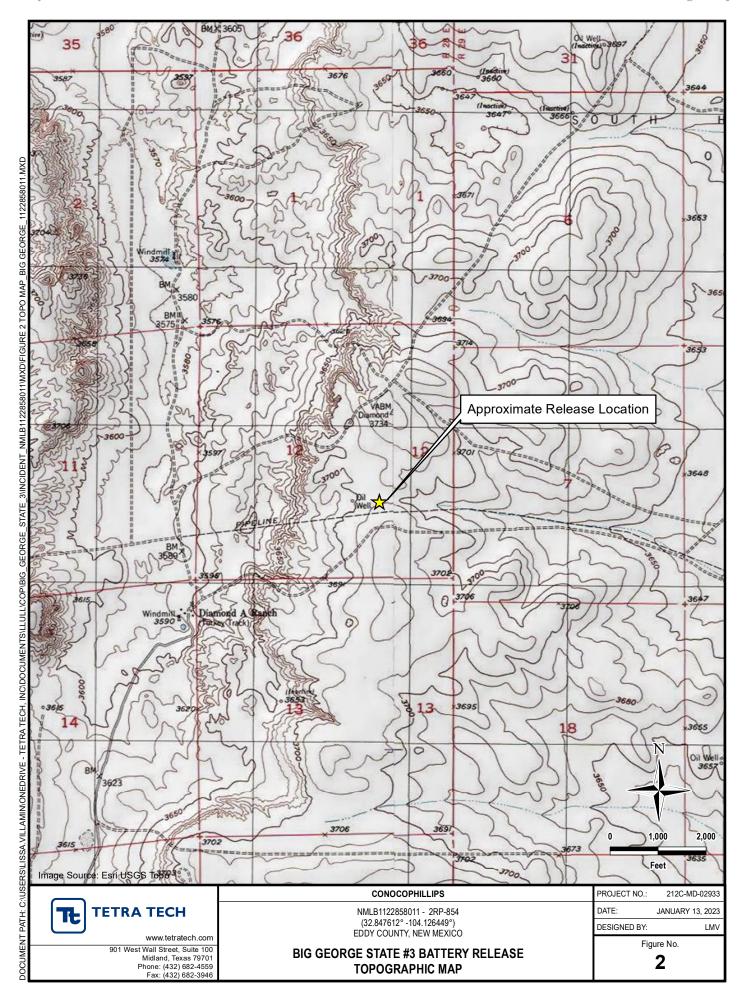
- Table 1 Summary of Analytical Results 2011 BBC Soil Assessment
- Table 2 Summary of Analytical Results 2023 Soil Assessment
- Table 3 Summary of Analytical Results 2023 Additional Soil Assessment
- Table 4 Summary of Analytical Results 2024 Additional Soil Assessment

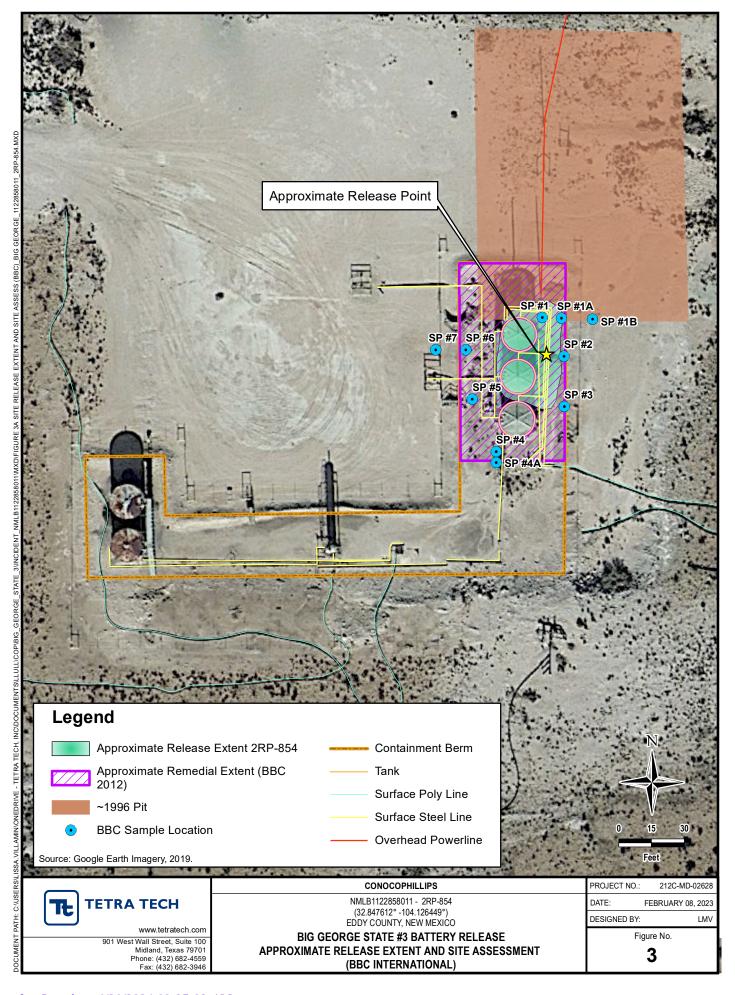
#### Appendices:

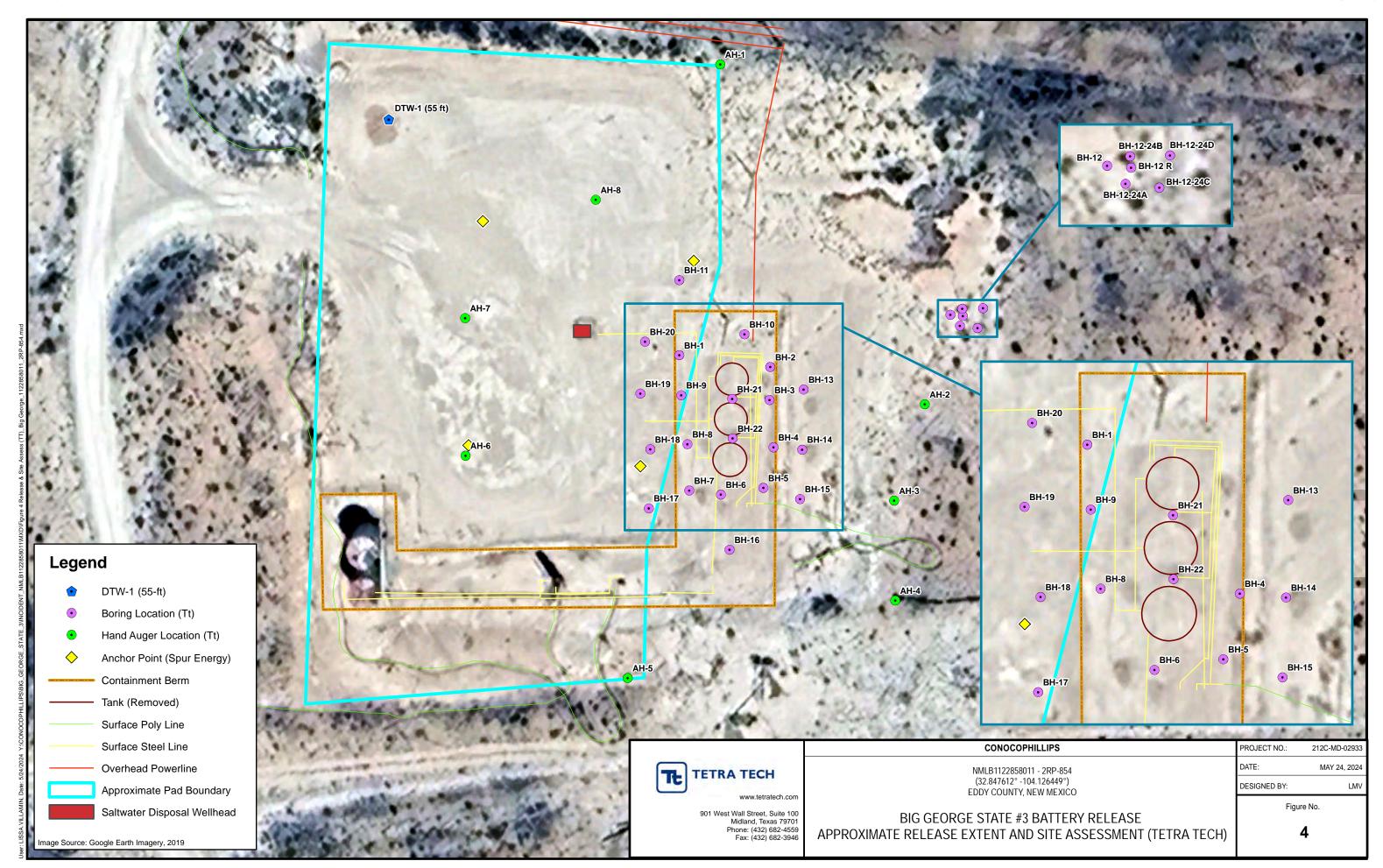
- Appendix A C-141 Forms
- Appendix B BBC Closure Report
- Appendix C Regulatory Correspondence
- Appendix D Site Characterization Data
- Appendix E Photographic Documentation
- Appendix F Laboratory Analytical Data
- Appendix G NMSLO Seed Mixture

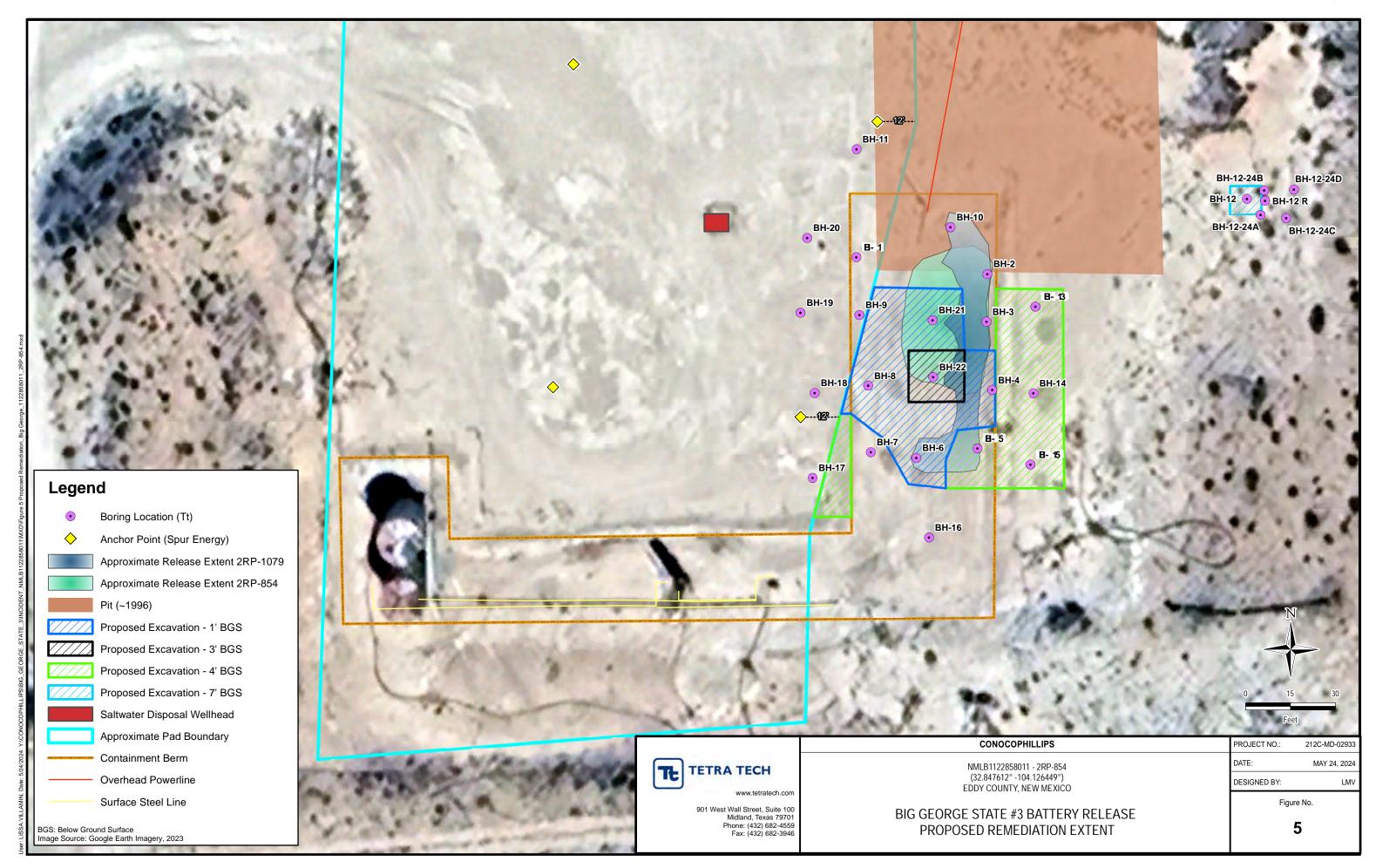
# **FIGURES**

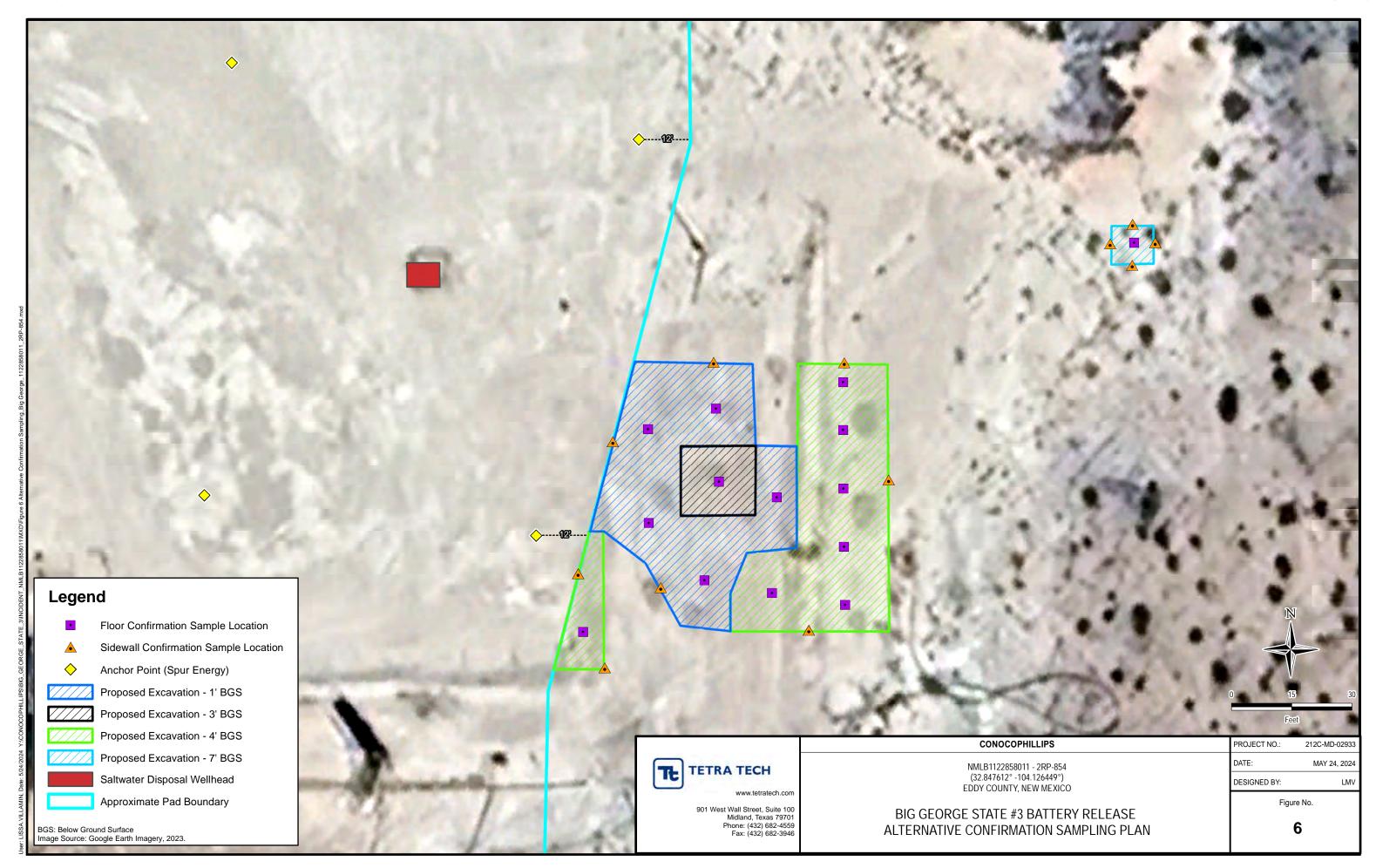


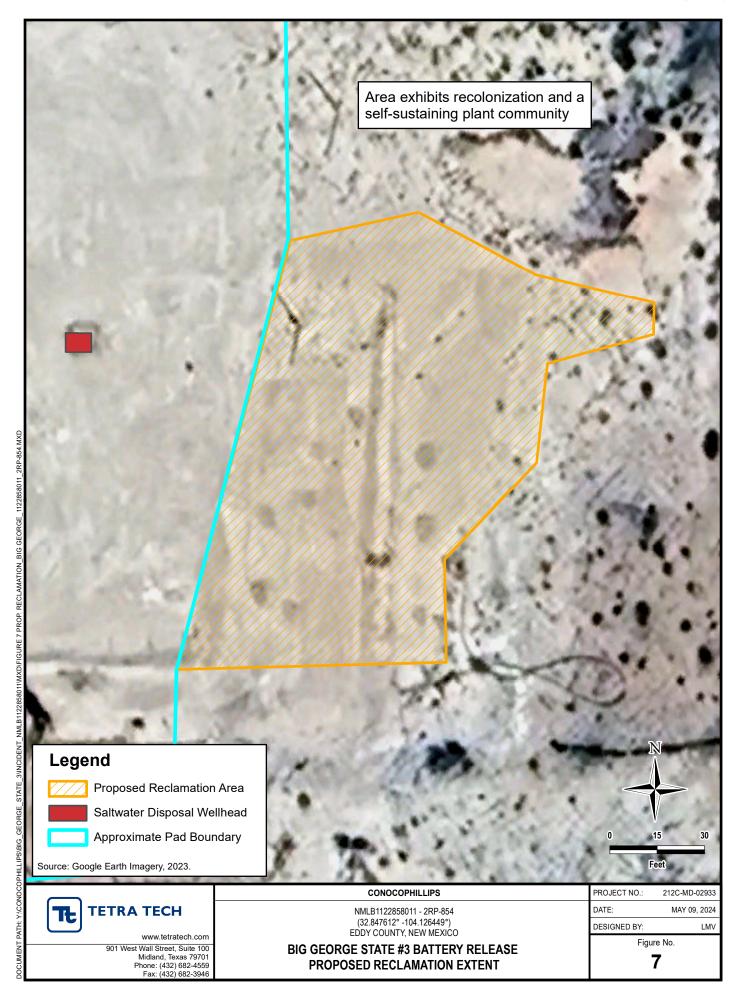












# **TABLES**

#### TABLE 1

#### SUMMARY OF ANALYTICAL RESULTS

#### 2011 BBC SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

### CONOCOPHILLIPS

#### BIG GEORGE STATE #3 EDDY COUNTY, NM

SP1	8/15/2011	ft. bgs 1 4 8	mg/kg 5,280	Q
		4		
			12 600	
SP2		8	13,600	
SP2		-	9,500	
31 2	8/15/2011	1	20,000	
	6/15/2011	4	1,260	
		1	9,400	
SP3	8/15/2011	3	8,600	
		5	272	
		1	3,680	
SP4	8/15/2011	4	10,200	
		6	4,720	
		1	5,600	
SP5	8/15/2011	3	12,800	
		7	1,960	
coc.	0/45/2044	1	4,240	
SP6	8/15/2011	3	2,200	
		2	14,200	
		4	2,560	
SP1A	9/21/2011	7	2,920	
		12	11,400	
		17	4,720	
		1	6,480	
SP1B	9/21/2011	4	8,260	
		7	6,720	
		7	6,800	
SP4A	9/21/2011	12	3,520	
		17	2,120	
		1	1,800	
SP7	9/21/2011	3	1,500	
		6	368	

#### NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

QUALIFIERS:

GRO Gasoline range organics
DRO Diesel range organics

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

40.45.00.40.0044	d		(Ed f)   400 ft)	Chlorid	es <sup>1</sup>					BTEX	(²									TPH	H <sup>3</sup>		
19.15.29.12 NMAC	Closure Criteria for So	ils impacted by a Relea	ase (51 π - 100 π):	< 10,000 n	ng/kg	< 10 mg	/kg							< 50 mg	/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloric	de	Benzer	ne	Toluer	ne	Ethylben	izene	Total Xyl	enes	Total B	ГЕХ	GRO		DRO		EXT DE		Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
		0.6	Chlorides													C <sub>6</sub> - C <sub>1</sub>		> C <sub>10</sub> -		> C <sub>28</sub> -			
AH-1	4 (44 (2022	ft. bgs	ppm 162	mg/kg 80.0	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg <0.300	Q	mg/kg	Q	mg/kg <10.0	Q	mg/kg	Q	mg/kg	mg/kg
AH-2	1/11/2023 1/11/2023	0-1 0-1	78	16.0		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0		<10.0 <10.0		-	•
AH-3	1/11/2023	0-1	45	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-4	1/11/2023	0-1	74	<16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
AH-5	1/11/2023	0-1	145	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
AH-6	1/11/2023	0-1	256	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			
AH-7	1/11/2023	0-1	485	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			-
AH-8	1/11/2023	0-1	805	320		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		76.2		20.0		96.2	76.2
-	-,,	0-1	-	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		893		273		1,166	893
		2-3		80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4		96.0		<0.050	-	<0.050		<0.050		<0.150		<0.300	-	<10.0		<10.0	-	<10.0	1		<u> </u>
		3-4 4-5		32.0		<0.050	-	<0.050		<0.050		<0.150		<0.300	-	<10.0		<10.0	-	<10.0	1		-
BH-1	1/11/2023	6-7	124	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	1	-	-
511-1	1/11/2023	8-9	112	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			-
		14-15	144	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			
		19-20	269	160		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		24-25	179	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
				208						<u> </u>						<b></b>			1	<u> </u>			
		0-1	-			<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0 <10.0		<10.0		-	-
		3-4 4-5	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0				<10.0		-	-
BH-2	1/11/2023	6-7	-	48.0 48.0		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	
BH-2	1/11/2023	8-9	387	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		14-15	208	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		19-20	236	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		24-25	246	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
							l			1	1				l				1	l	1	 	
		0-1	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	-	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-3	1/10/2023	3-4 4-5	141	64.0 48.0		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300 <0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0	1	-	<u> </u>
		6-7	175	48.0 80.0		<0.050		<0.050		<0.050	-	<0.150		<0.300		<10.0		<10.0		<10.0	<del>                                     </del>	-	
		8-9	- 1/5	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
	1									l .										l			
		0-1	-	816		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		35.4		<10.0		35.4	35.4
DII 4	1/10/2022	2-3	-	96.0		<0.050		<0.050		<0.050	1	<0.150		<0.300		<10.0		<10.0	-	<10.0	<b>!</b>	-	
BH-4	1/10/2023	3-4 4-5	251	32.0 32.0		<0.050 <0.050	<u> </u>	<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300	<u> </u>	<10.0 <10.0		<10.0 <10.0		<10.0 <10.0	1	<u> </u>	
		4-5 6-7	251	32.0		<0.050	<u> </u>	<0.050		<0.050	1	<0.150		<0.300	<u> </u>	<10.0		<10.0		<10.0 <10.0	<u> </u>	-	
											_										_		
		0-1	1040	2,080		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		2-3	193	144		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
BH-5	1/10/2023	3-4	182	912		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		4-5	123	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	<u> </u>	-	
		6-7	206	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	ļ	-	
	<u> </u>	8-9	188	16.0		<0.050		<0.050		<0.050	<u> </u>	<0.150		<0.300		<10.0		<10.0		<10.0	<u> </u>	<u> </u>	

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

40 45 20 42 1144	Closure Criteria for So		(54 () 400 ())	Chlorid	les <sup>1</sup>					ВТЕХ	2									TPH	H <sup>3</sup>		
19.15.29.12 NMAC	Closure Criteria for So	ils impacted by a Relea	ase (51 π - 100 π):	< 10,000 r	mg/kg	< 10 mg	/kg							< 50 mg	g/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chlori	de	Benzer	ne	Toluer	ne	Ethylben	zene	Total Xyle	enes	Total B	TEX	GRO		DRC		EXT DF		Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
	5		Chlorides													C <sub>6</sub> - C	10	> C <sub>10</sub> -	C <sub>28</sub>	> C <sub>28</sub> -			
<u> </u>		ft. bgs	ppm	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
		0-1	630	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		82.8		14.9		97.7	82.8
		2-3	128	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	173	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-6	1/10/2023	4-5	140	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		6-7 8-9	133 200	32.0 48.0		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	-
		14-15	278	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
										I												<u> </u>	
		0-1	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3 3-4	-	208		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4 4-5	-	80.0 64.0	-	<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	-
		6-7		80.0		<0.050	-	<0.050		<0.050	-	<0.150		<0.300	-	<10.0		<10.0	-	<10.0	-	-	-
BH-7	1/11/2023	8-9	210	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		14-15	253	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		19-20	465	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		24-25	222	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		29-30	214	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	-	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		132		73.5		205.5	132
		2-3	-	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.7		11.4		22.1	10.7
		3-4	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		4-5	-	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-8	1/11/2023	6-7	171	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	284	96.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		14-15	427	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		19-20	530	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		24-25	523	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	-	608		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		168		27.3		195.3	168
		2-3	-	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	-	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-9	1/11/2023	4-5	77.6	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		6-7	75.3	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	89	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		14-15	123	16.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	123	80.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	152	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-10	1/10/2023	3-4	161	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		4-5	210	32.0		<0.050		<0.050		<0.050	ļ	<0.150		<0.300	ļ	<10.0		<10.0	ļ	<10.0	ļ	-	-
		7-8	234	32.0		<0.050		<0.050		<0.050		<0.150		<0.300	-	<10.0		<10.0		<10.0		-	-
	<u> </u>	9-10	142	16.0	<u> </u>	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	2,020	2,560		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-11	1/9/2023	2-3	1,700	1,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	578	576		<0.050		<0.050		<0.050	<u> </u>	<0.150		<0.300	<u> </u>	<10.0		<10.0	<u> </u>	<10.0	<u> </u>	-	-
		4-5	571	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3

EDDY COUNTY, NM

				Chlorid	es <sup>1</sup>					BTEX	2									ТРН	l <sup>3</sup>		
19.15.29.12 NMAC C	Closure Criteria for Soi	Is Impacted by a Relea	se (51 ft - 100 ft):	< 10,000 n	ng/kg	< 10 mg	/kg							< 50 mg	/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chloric	ie	Benze	ne	Toluer	ne	Ethylben	zene	Total Xyl	enes	Total B1	rex	GRO		DRO		EXT DR		Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
			Chlorides													C <sub>6</sub> - C <sub>1</sub>	-	> C <sub>10</sub> -	_	> C <sub>28</sub> - (			
		ft. bgs	ppm	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
		0-1	83.6	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3 3-4	350 560	256 1,020		<0.050 <0.050		<0.050 <0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	•
BH-12	1/10/2023	4-5	574	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		22.1		<10.0		22.1	22.1
		6-7	232	288	S-06	<0.050		<0.050		<0.050		<0.150		<0.300		<50.0		2,250		660		2,910	2,250
		7-8	343	272	3-00	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		638		201		839	638
		0-1	2760	2,760		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		26.9		<10.0		26.9	26.9
		3-4	1210 835	1,300		<0.050		<0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0		<10.0 <10.0		<10.0 <10.0		-	
ļ		4-5 6-7	1500	1,020		<0.050 <0.050		<0.050		<0.050		<0.150		<0.300		<10.0 <10.0		<10.0		<10.0		-	-
ļ		9-10	2010	1,710		<0.050		<0.050	-	<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-	-
BH-13	1/10/2023	14-15	3540	5,280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		_	-
5 15	1, 10, 2023	19-20	2270	1,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		24-25	2590	2,480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		29-30	1100	1,040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		34-35	1540	720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		39-40	512	800		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
i		0-1	1970	2,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		54.8		25.8		80.6	54.8
		2-3	-	800		<0.050		<0.050		<0.050		<0.150	QR-03	<0.300		<10.0		<10.0		<10.0		-	-
		3-4	-	624		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		4-5	922	720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		6-7	1130	880		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		7-8	1680	1,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-14	1/10/2022	9-10	1410	1,310		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-14	1/10/2023	14-15	3110	5,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		19-20	2430	3,120		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		24-25	1410	1,570		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		29-30	2610	3,840		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		34-35	1240	1,440	QM-07	<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		39-40	681	704		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		44-45	512	640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		0-1	3,180	3,200		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		29.4		<10.0		29.4	29.4
ļ	1	2-3	-	2,240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	-	1,620		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-15	1/9/2023	4-5	1,800	1,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
J	1	6-7	863	688		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
ļ		7-8	570	672		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	531	416		<0.050		<0.050	<u> </u>	<0.050		<0.150		<0.300		<10.0	QR-03	<10.0	QR-03	<10.0	<u> </u>		
ļ		0-1	530	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
ļ		2-3	507	448		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-16	1/10/2023	3-4	587	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		4-5	466	304		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
ļ		6-7	561	336		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
	l	7-8	355	288		<0.050		<0.050	<u> </u>	<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	<u> </u>	<u> </u>	

#### TABLE 2

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 SOIL ASSESSMENT- nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

BIG GEORGE STATE # 3

EDDY COUNTY, NM

				Chlorid	les <sup>1</sup>					ВТЕХ	(2									TPI	ł³		
19.15.29.12 NMAC	Closure Criteria for So	ils Impacted by a Relea	ase (51 ft - 100 ft):	< 10,000 r	mg/kg	< 10 mg	/kg							< 50 mg	/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Field Screening Results	Chlori	de	Benze	ne	Toluer	ne	Ethylben	zene	Total Xyl	enes	Total B1	EX	GRO		DRC	)	EXT DE	RO	Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
Sample 1D	Sample Date		Chlorides													C <sub>6</sub> - C <sub>1</sub>	.0	> C <sub>10</sub> -	C <sub>28</sub>	> C <sub>28</sub> -	C <sub>36</sub>	(00,	
		ft. bgs	ppm	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
•		0-1	3,360	4,640		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	4,490	3,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-17	1/9/2023	6-7	1,860	2,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
	2, 2, 2222	7-8	1,480	1,340		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	1,020	976		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		14-15	436	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	3,580	3,680		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	-	3,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	-	3,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-18	1/9/2023	4-5	3,250	3,280		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		7-8	658	928		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	541	368		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	499	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	4,580	5,040		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		10.9		<10.0		10.9	10.9
		3-4	1,660	1,720		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-19	1/9/2023	6-7	1,260	1,070		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	450	352		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	373	288		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	3,580	3,480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		118		47.6		165.6	118
		3-4	2,120	1,380		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-20	1/9/2023	6-7	1,320	672		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		7-8	672	400		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	436	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	158	240		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		3,400		641		4,041	3,400
		2-3	198	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		34.6		<10.0		34.6	34.6
		3-4	183	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		13.5		<10.0		13.5	13.5
BH-21	1/10/2023	4-5	123	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		11.7		<10.0		11.7	11.7
		6-7	161	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		137		13.9		150.9	137
		8-9	186	32.0		<0.050		<0.050		<0.050	<u> </u>	<0.150		<0.300		<10.0		346		43.0		389.0	346
		14-15	132	48.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		0-1	4370	5,600		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		171		36.0		207	171
		2-3	3960	5,360		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		29.2		<10.0		29.2	29.2
BH-22	1/10/2023	3-4	434	480		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
DITEZZ	1/10/2023	6-7	90.4	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	236	64.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		14-15	183	32.0		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

NOTES:

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

bgs Below ground surface Shaded rows indicate intervals proposed for excavation.

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons <u>QUALIFIERS:</u>

GRO Gasoline range organics S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

DRO Diesel range organics 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.

Method SM4500Cl-B QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

2 Method 8021B

3 Method 8015M

#### TABLE 3

#### SUMMARY OF ANALYTICAL RESULTS

#### 2023 ADDITIONAL SOIL ASSESSMENT - nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

BIG GEORGE STATE #3

EDDY COUNTY, NM

19.15.29.12 NI	MAC Closure Criteria f	or Soils Impacted by a	Chlorid	les <sup>1</sup>					BTEX	2									TPH	l <sup>3</sup>		
	-	Release (51 ft - 100 ft):	< 10,000 n	ng/kg	< 10 mg	/kg							< 50 mg	/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Chloric	de	Benzer	ne	Toluer	ie	Ethylben	zene	Total Xyl	enes	Total B1	ΓEX	GRO		DRO		EXT DF	RO	Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
Sample 1D	Sample Date														C <sub>6</sub> - C	10	> C <sub>10</sub> - 0	C <sub>28</sub>	> C <sub>28</sub> - (	C <sub>36</sub>	(,	
		ft. bgs	mg/kg	Q	mg/kg	Q	mg/kg	ď	mg/kg	Q	mg/kg	ď	mg/kg	Q	mg/kg	Q	mg/kg	ď	mg/kg	Q	mg/kg	mg/kg
		0-1	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		1-2	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	464		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	384		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-12R	6/19/2023	4-5	224		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
DITTEN	0/13/2023	5-6	176		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		6-7	128		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		7-8	112		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		8-9	96		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		9-10	64		<0.050		<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		=	-

 ${\it Bold\ and\ italicized\ values\ indicate\ exceedance\ of\ proposed\ \it RRALs\ and\ Reclamation\ Requirements.}$ 

NOTES:

ft. Feet

Below ground surface

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons

Gasoline range organics

Diesel range organics Method SM4500Cl-B

Method 8021B

Method 8015M

Page 1 of 1

# Page 24 of 36

Received by OCD: 6/18/2024 3:01:33 PM

#### TABLE 4

#### SUMMARY OF ANALYTICAL RESULTS

#### 2024 ADDITIONAL SOIL ASSESSMENT - nMLB1122858011 and NMLB1209641725

#### CONOCOPHILLIPS

#### BIG GEORGE STATE #3 EDDY COUNTY, NM

19 15 29 12 NMAC CI	osure Criteria for Soils	Impacted by a Release	Chlorid	es¹				BTEX	2									TPH	3		
15.15.25.12 NWAC CR	osure criteria for Jons	(51 ft - 100 ft):	< 10,000 r		< 10 mg/kg							< 50 mg	/kg							< 2,500 mg/kg	<1,000 mg/kg
Sample ID	Sample Date	Sample Depth Interval	Chloric		Benzene	Toluer	ie	Ethylben	zene	Total Xyl	enes	Total BT		GRO C <sub>6</sub> - C		DRO		EXT DI		Total TPH (GRO+DRO+EXT DRO)	GRO+DRO
		6.1			" 0										-	> C <sub>10</sub> - 0		> C <sub>28</sub> -	-		
		ft. bgs	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
		0-1	32		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		1-2 2-3	144 224		<0.050 <0.050	<0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	
		3-4	80		<0.050	<0.050 <0.050		<0.050		<0.150		<0.300 <0.300		<10.0		<10.0		<10.0			
		4-5	64		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			-
BH-12-24 A	1/9/2024	5-6	80		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			
		6-7	64		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			
		7-8	80		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			<u> </u>
		8-9	80		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			
		9-10	80		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
								l I								l I		I			
		0-1	64		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		1-2	224		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	464		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	416		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-12-24 B	1/9/2024	4-5	256		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		5-6 6-7	208		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
					<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		7-8 8-9	224 192		<0.050 <0.050	<0.050		<0.050 <0.050		<0.150 <0.150		<0.300		<10.0 <10.0		<10.0 <10.0		<10.0 <10.0		-	<u> </u>
		9-10	192		<0.050	<0.050 <0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
																		1		-	•
		0-1	48		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		1-2	144		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	192		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	160		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
BH-12-24 C	1/9/2024	4-5	144		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		5-6	128		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	•
		6-7	112		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		7-8 8-9	144 96		<0.050 <0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	<u> </u>
						<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		9-10	176		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0			•
		0-1	48		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		1-2	48		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		2-3	176		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-
		3-4	272		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	•
BH-12-24 D	1/9/2024	4-5	240		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-	•
	1	5-6	352		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-	•
	1	6-7	336		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-	•
	1	7-8	224		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0	-	-	•
	1	8-9	224		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	
		9-10	240		<0.050	<0.050		<0.050		<0.150		<0.300		<10.0		<10.0		<10.0		-	-

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

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

# **APPENDIX A C-141 Forms**

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

#### State of New Mexico Energy Minerals and Natural Resources

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

AUG 2 2011

Form C-141 Revised October 10, 2003

NMOCD Appropriate Office in accordance with Rule 116 on back

St. Francis Dr. with Rule 116 on back side of form

Release Notification and Corrective Action													
nM4B112	285801					OPERA?		_🗵	Initia	al Report 🔲 Final Report			
Name of Co				GLLC +291		Contact		at Ellis					
Address Facility Nar			George	dland, TX 7970		Felephone Nacility Typ		230-0077 k Battery					
			George			acinty Typ	1411			. (ADIII) 20 015 20750			
Surface Ow	ner State			Mineral (	)wner				Lease N	lo. (API#) 30-015-28759			
	l a					OF RE		T = -631					
Unit Letter J	Section 12	Township 17S	Range 28E	Feet from the	North/:	South Line	Feet from the	East/Wes	st Line	County Eddy			
				Latitude 32	50.869	Longit	ıde 104 07.595						
<del></del>	<del></del>			NAT	URE	OF REL		т.					
Type of Rele Source of Re							Release 50bbls			Recovered 45bbls Hour of Discovery			
						07/27/201	<b>!</b>			1 10:00 a.m.			
Was Immedia	Was Immediate Notice Given?    Yes   No   Not Required   Not Required   Not Bratcher - OCD												
By Whom?	By Whom? Josh Russo Date and Hour 07/28/2011 9:35 a.m.												
Was a Water	Was a Watercourse Reached?  ☐ Yes ☑ No  If YES, Volume Impacting the Watercourse.												
If a Watercourse was Impacted, Describe Fully.*													
Describe Cau	ise of Probl	em and Reme	dial Actio	n Taken.*									
A sudden rus	sh of produc	tion caused a	tank over	flow due to an ala	ım syste	m failure. T	he alarm has been	repaired.					
Describe Are	a Affected	and Cleanup A	Action Ta	ken.*	<del></del>	·		<u> </u>					
Initially 50bb	ols was relea	ased from the	ank insid	le the facility wall	s of the l	Big George S	tate Tank Battery	. We were	able to	recover 45bbls with a vacuum			
BBC will san	nple the spi		delineate a							d gravel has been removed. n to the NMOCD for approval			
I horoby cost	Guthat the	nformation di	wan ahaw	n is two and saws	lata ta th	- heat of man	len accelandan and c	damatan d	• • • • • • • • • • • • • • • • • • • •	went to NIMOCD rules and			
regulations a	ll operators	are required t	o report a	nd/or file certain	release no	otifications a	nd perform correc	ctive action	s for rel	suant to NMOCD rules and eases which may endanger			
										ieve the operator of liability r, surface water, human health			
or the enviro	nment. In a	ddition, NMC	CD accep	ptance of a C-141	report de	oes not reliev	e the operator of	responsibil	ity for c	ompliance with any other			
		7 L	/7	,			OIL CON	SERYA	TION	DIVISION			
Signature:	10	~ /	<u> </u>	5			Signed By_	ally.	Bicar	wer			
Printed Name	<b>.</b>	Josh	Russo			Approved by	District Supervis	or:	<del></del>				
Title:		HSE C	oordinato	r		Approval Da	<sub>e</sub> AUG 1 6 <sup>2</sup>	2011 <sub>Ex</sub>	piration	Date:			
E-mail Addre	ess:	jrusso@cono	horesour	ces.com	f	Conditions o				Attached			
	02/2011	Pho		32-212-2399	Re	emediatio	n per OCD Ru	les &	,				
Attach Addi	tional She	ets If Necess	ary		Guide	lines. SUE	MIT REMEDI	ATION		JED OFIL			
					PROP	OSAL NO	LATER THAN 2011	۱:		2RP-854			

#### Bratcher, Mike, EMNRD

From: Joshua Russo [jrusso@concho.com]
Sent: Tuesday, August 02, 2011 4:23 PM

To: Bratcher, Mike, EMNRD

Cc: Cliff P. Brunson

Subject: Big George SWD - C-141 Initial Report

Attachments: BIG GEORGE SWD -- DATE OF RELEASE -- 07-27-2011.pdf

Mr. Bratcher,

Please see attached the C-141 Initial Report for a release we had at the Big George SWD.

Thank you,

#### Joshua Russo

HSE Coordinator 550 W. Texas Ave, Suite 100 Midland, Texas 79701 Phone: (432) 683-7443

Cell: (432) 212-2399

irusso@conchoresources.com
CONCHO

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#### Bratcher, Mike, EMNRD

From: Joshua Russo [jrusso@concho.com]
Sent: Thursday, July 28, 2011 8:35 AM

To: Bratcher, Mike, EMNRD

Subject: Big George TB release - Notification

Mr. Bratcher,

Please see below the details to a immediately reportable quantity release:

On 07-27-11 at 10:15am, a 50bbl spill of produced water was found at the Big George Battery. The incident was caused by a sudden rush of water coming into battery causing water tanks to run over due to alarm system failure and pump failure. Repaired Murphy on transfer pump and checked out alarm system. All fluid was contained within dike and has been recovered and put back into water tank. We will scrape and removed contaminated soil from within dike. We will follow up with a C-141 Initial Report.

GPS coordinates, driving directions, and legal description listed below.

N 32\* 50.869 W 104\* 07.595 Big George Battery Sec.12-T17S-R28E Eddy County, NM

Off of Hwy 82, T/N on Old Loco Road, to 3 miles, T/W and go 1.5 miles, road curves back to the south, second battery on left.

Thank you,

#### Joshua Russo

HSE Coordinator 550 W. Texas Ave, Suite 100 Midland, Texas 79701 Phone: (432) 683-7443

Phone: (432) 683-7443 Cell: (432) 212-2399



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Received by OCD: 6/18/2024 3:01:33 PM Form C-141 State of New Mexico Page 3 Oil Conservation Division

	Page 29 of 367
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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	ls.

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.

Received by OCD: 6/18/2024 3:01:33 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 30 of 367
Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	oCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 6/18/2024 3:01:33 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

	Tuge 31 0j 30
Incident ID	
District RP	
Facility ID	
Amplication ID	

# **Remediation Plan**

D. It at Di. Cl. 111 at T. 1 and a fill at the control of				
Remediation Plan Checklist: Each of the following items must be	be included in the plan.			
<ul> <li>□ Detailed description of proposed remediation technique</li> <li>□ Scaled sitemap with GPS coordinates showing delineation points</li> <li>□ Estimated volume of material to be remediated</li> <li>□ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>□ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>				
<u>Deferral Requests Only</u> : Each of the following items must be co	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: 0475				
email:	Telephone:			
	Totophono.			
OCD Only				
<u>oca om,</u>				
Received by:	Date:			
Approved	f Approval			
Signature:	<u>Date:</u>			

# **APPENDIX B BBC Closure Report**

### SITE INFORMATION

**Report Type: Closure Report** 

General Site Information:				
Site:	Big George State #3 Battery			
Company:	COG Operating LLC			
Section, Township, and Range:	12	175	28E	
Lease Number:	API# 30-015-28759			
County:	Eddy Count	ty, NM		
GPS:	N 32 50.869 W 104 07.595			
Surface Owner:	State			
Mineral Owner:				
Directions:	In Loco Hills, from the intersection of Hwy 217 and Hwy 82, go West on Hwy 82 for 7.7 mile			· · · ·
	to lease road on right, turn right on lease road and go North on main road for 2.8 miles, turn left and go West for 0.3 mile, turn right and go North 0.1 mile to TB on right.			
Release Data:				
Date Released:	7/27/2011 and 03/12/2012			
Type of Release:	Produced water			
Source of Contamination:	Water tank (07/27/2011) and Water pump (03/12/2012)			
Fluid Released:	50 bbls (07,	/27/2011) :	and 8 bbls (	03/12/2012)
Fluids Recovered:	45 bbls (07/27/2011) and 7 bbls (03/12/2012)			
Official Communication:	Ī		<del></del>	
Name:	Pat Ellis			Cliff Brunson
Company:	COG Opera	COG Operating LLC		BBC International, Inc.
Address:	550 W. Texas Ave., Ste. 1300		. 1300	1324 W. Marland
PO Box:				PO Box 805
City, State, Zip Code:	Midland, TX 79701			Hobbs, NM 88241
Phone Number:	(432) 686-3023			(575) 397-6388
Fax:	(432) 684-7137			(575) 397-0397
Email:	pellis@conchoresources.com		es.com	cbrunson@bbcinternational.com
Ranking Criteria:				
Depth to Groundwater:	Ranking Score		re	Site Data
<50 ft.	20			
50-99 ft.	10			10
>100 ft.		0		
Well Head Protection:	Ranking Score		re	Site Data
Water 5ource <1,000 ft., Private <200	20			
Water Source >1,000 ft., Private >200	0			0
Surface Body of Water:	Ranking Score		re	Site Data
<200 ft.	20			
200 ft 1,000 ft.	10			
>1,000 ft.	0			0
Total Ranking Score:		10		

Acceptable Soil RRAL (mg/kg)			
Benzene	Total BTEX	TPH	
10	50	5000	





# **COG Operating LLC**

# **Big George State #3 Battery**

(Release Dates 07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, New Mexico GPS: N 32 50.869 W 104 07.595

**ENVIRONMENTAL SITE INVESTIGATION** 

**CLOSURE REPORT** 

PERFORMED BY:

BBC INTERNATIONAL, INC.
WORLD-WIDE ENVIRONMENTAL SPECIALISTS
1324 W. MARLAND BLVD.
P. O. BOX 805
HOBBS, NEW MEXICO 88240
(575) 397-6388 • FAX (575) 397-0397

October 18, 2012

PREPARED FOR:

MR. PAT ELLIS
MANAGER, HSE
COG OPERATING LLC
FASKEN CENTER TOWER II
550 WEST TEXAS AVENUE, SUITE 100
MIDLAND, TEXAS 79701

Mr. Mike Bratcher Compliance Officer Oil Conservation Division, District 2 811 South First Artesia, NM 88210

Re: Closure plan for COG Operating LLC, Big George State #3 Battery, Unit J, Section 12, Township 17 South, Range 28 East, Eddy County, NM

#### 1.0 SITE CHARACTERIZATION

The subject site is located East of Artesia, in Section 12, Township 17 South, and Range 28 East, Eddy County, New Mexico. The GPS coordinates are: N 32 50.869 W 104 07.595. The site consists of undeveloped rangeland and petroleum production facilities. On July 27, 2011, a sudden rush of production caused a tank overflow due to an alarm system failure. The spill measured roughly 30' x 30' inside the facility walls. Approximately 50 bbls of water were released with approximately 45 bbls being recovered by a vacuum truck. On March 12, 2012, an additional leak was discovered resulting from the failure of a 1/4" nipple on the discharge side of the water pump. The spill area measured roughly 10' x 60' inside the tank battery and an area of overspray measuring roughly 30' x 50' outside the tank battery. Approximately 8 bbls of produced water were release with 7 bbls recovered via vacuum truck.

A diagram of the location including the sample points can be reviewed in Appendix I of this report. The surface soil is tan to brown fine sand and sandy caliche. There is no water source within 1,000 feet of this site. Based on the data from the Eddy County Groundwater Trend Map, the depth to groundwater in Section 12, Township 17 South, and Range 28 East is 50' to 75'. The initial C-141s for both leaks are at the end of this report in Appendix III.

#### 2.0 SITE INVESTIGATION ACTIVITIES

On August 15, 2011, BBC personnel conducted a delineation of the site. The site delineation occurred after initial spill response activities had been conducted by COG. Six sample points were advanced in the leak area using a hand auger to a total depth of 8 feet. Three samples were taken from SP1at depths of 1 foot, 4 feet and 8 feet. Two samples were taken from SP2 at depths of 1 foot and 4 feet. Three samples were taken from SP3 at depths of 1 foot, 3 feet, and 5 feet. Three samples were taken from SP4 at depths of 1 foot, 4 feet, and 6 feet. Three samples were taken from SP5 at depths of 1 foot, 3 feet, and 7 feet. And, two samples were taken from SP6 at depths of 1 foot and 3 feet. The samples were taken to Cardinal Laboratories for chloride analysis. Laboratory analysis for SP1 was 5,280 ppm at 1 foot, 13,600 ppm at 4 feet, and 9,500 ppm at 8 feet. Laboratory analysis for SP2 was 20,000 ppm at 1 foot, and 1,260 ppm at 4 feet. Laboratory analysis for SP3 was 9,400 ppm at 1 foot, 8,600 ppm at 3

feet, and 272 ppm at 5 feet. Laboratory analysis for SP4 was 3,680 ppm at 1 foot, 10,200 ppm at 4 feet, and 4,720 ppm at 6 feet. Laboratory analysis for SP5 was 5,600 ppm at 1 foot, 12,800 ppm at 3 feet, and 1,960 ppm at 7 feet. Laboratory analysis for SP6 was 4,240 ppm at 1 foot and 2,200 at 3 feet. After further discussion with the NMOCD, all parties involved agreed that additional sampling was warranted. Therefore, additional samples were taken at the agreed upon locations of SP1, SP4, and SP7. Five samples were taken from SP1(A) at depths of 2 feet, 4 feet, 7 feet, 12 feet, and 17 feet. Three samples were taken from SP1(B) at depths of 1 foot, 4 feet, and 7 feet. Three samples were taken from SP4(A) at 7 feet, 12 feet, and 17 feet. And, three samples were taken from SP7 at 1 foot, 3 feet, and 6 feet. These samples were also taken to Cardinal Laboratories for chloride analysis. Laboratory analysis for SP1(A) is 14,200 ppm at 2 foot, 2,560 ppm at 4 foot, 2,920 ppm at 7 foot, 11,400 ppm at 12 feet, and 4,720 ppm at 17 feet. Laboratory analysis for SP1(B) is 6,480 ppm at 1 foot, 8,260 ppm at 4 feet, and 6,720 ppm at 7 feet. Laboratory analysis for SP4(A) is 6,800 ppm at 7 feet, 3,520 ppm at 12 feet, and 2,120 ppm at 17 feet. Laboratory analysis for SP7 is 1,800 ppm at 1 foot, 1,500 ppm at 3 feet, and 368 ppm at 6 feet. The results of the analysis are located in Appendix II if this report. The sample point locations can be viewed on the site diagram in Appendix I of this report.

#### 3.0 CONCLUSION AND RECOMMENDATION

During the second sampling event, the former reserve drilling pit was discovered in the areas of SP1(A) and SP1(B). The pit area exists inside the north-eastern side of the tank battery and then further east. Remnants of the pit contents were discovered as depicted in the pictures located in Appendix IV of this report. The pit contents are a large contributing factor to the high chloride content found in the samples in the SP1(A) and SP1(B) areas.

On December 13, 2011, BBC personnel met with Mike Bratcher of the NMOCD to discuss the laboratory results of the second sampling event. After discussing the findings, the NMOCD agreed to a remediation plan.

Prior to the start of the NMOCD-approved remediation plan, a second release occurred at the site on March 12, 2012. This release was similar to the first one, releasing fluid in the same area as before. The NMOCD agreed to allow the previously approved remediation plan to include the remediation of the leak that occurred on March 12, 2012.

In accordance with the approved remediation plan, excavation of approximately two feet of impacted soil inside the battery firewall down to the southern side of the SP4(A) sample area was completed. The excavation area was then backfilled with an impermeable liner consisting of one foot of compacted clay. The remaining backfill was completed with material similar to the rest of the battery.

Upon completion of the approved remediation plan, the NMOCD agreed that no further action was required and permission was granted to close this site. The site remediation was started on July 9, 2012 and completed on July 20, 2012. Photos of the remediation activities are located in Appendix V of this report.

The final C-141s are located in Appendix III of this report.

# **APPENDIX** I

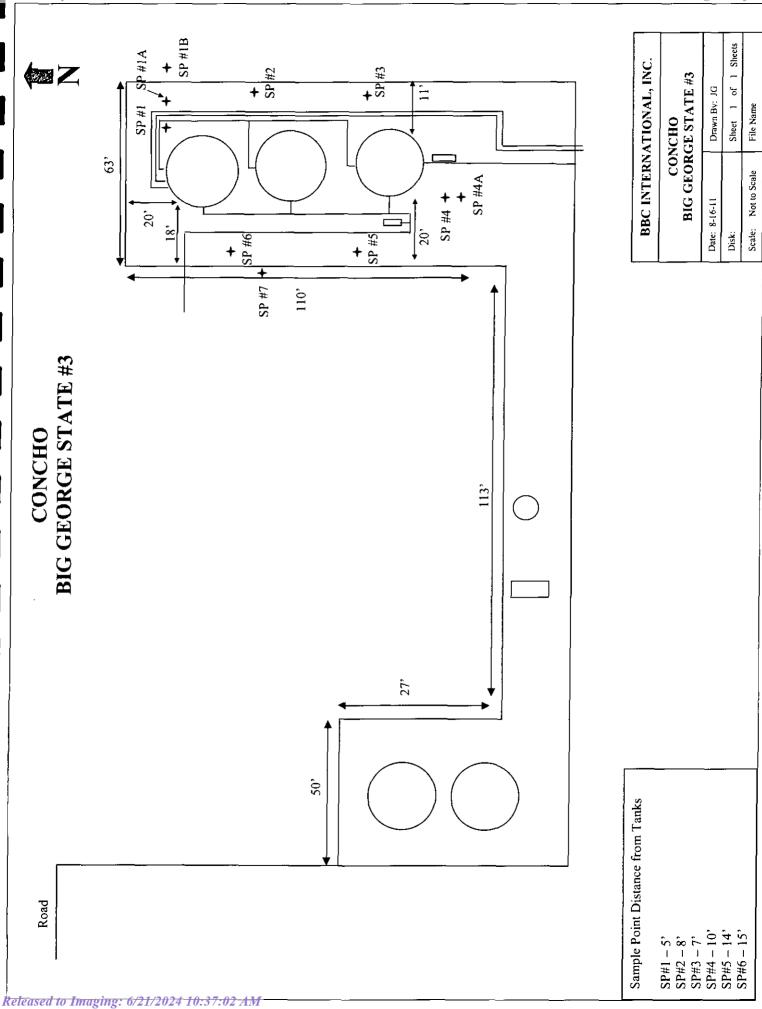
Site Diagram September 2011

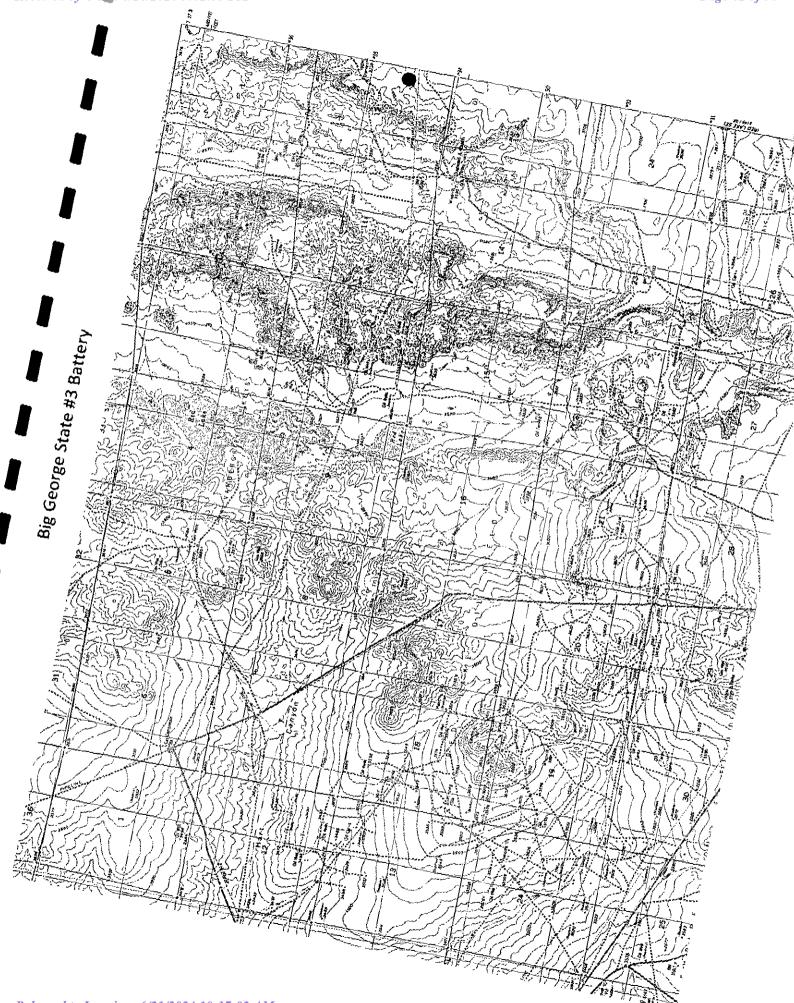
### Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.





All Databases

SEO

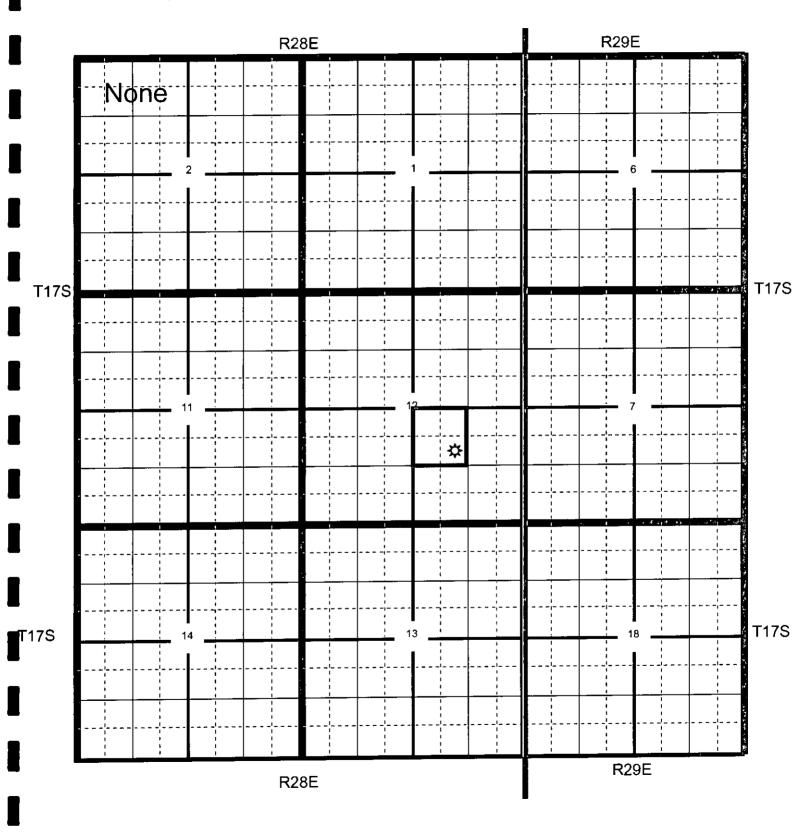


### **Groundwater Plot**

Oil/Gas Well Name: Big George State #3 Battery

County: Eddy UL  $\underline{J}$  Sec  $\underline{12}$  T  $\underline{17S}$  R  $\underline{28E}$ 

Trend Map: 50'-75'



USGS

### Section Quarters

Section 12	1	2	,
NW/NW	NE/NW	NW/NE	NE/NE
None			
Unit Letter D SW/NW	Unit Letter C	Unit Letter B SW/NE	Unit Letter A
SWINW	SE/NW	SWINE	SE/NE
Unit Letter E	Unit Letter F	Unit Letter G	Unit Letter H
NW/SW	NEISW	NE/NW	NE/SE
		Big George State #3 Battery	
Unit Letter L	Unit Letter K SE/SW	Unit Letter I	Unit Letter I SE/SE
SW/SW		SW/SE	SE/SE
Unit Letter M	Unit Letter N	Unit Letter O	Unit Letter P

## Big George State #3 Battery

4

UL J Sec 12 T 17 S R 28 E

- Location
- OCD
- USGS
- SEQ
- All

3

# **APPENDIX II**

Laboratory Analytical Results
September 2011

Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.

# ≥

		Samole	SP1A @	SP1A	SP1A @	SP1A @ SP1A @ SP1A	SP1A @
		campie	2.	@ 4'	۲.	12,	17.
Analyte	Method	Date	6/21/11	6/21/11	11/12/8	9/21/11	8/21/11
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		14200	2560	2920	11400	4720

Analyte	Method	Sample	SP1B @ 1'	SP1B @4'	SP1B @
			mg/Kg	mg/Kg	┸
Chloride	SM4500CI-B		6480	8260	ᆫ

		Sample	SP4A @	SP4A @ SP4A @ SP4A 7' 12' 17'	SP4A @
Analyte	Method	Date	9/21/11	9/21/11	B/21/11
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		0089	3520	2120
		Sample	SP7 @ 1'	SP7 @ 1' SP7 @ 3' SP7 @ 6'	SP7 @ 6'
Analyte	Method	Date	9/21/11	9/21/11	9/21/11
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CI-B		1800	1500	368

의 취임	### 1   251   @ 4   251   @ 8   251   @ 8   251   @ 8   251   @ 8   251
	mg/Kg mg

Sample Date

Method

Analyte

		Sample	Sample   SP2 @ 11   SP2 @ 47	SP2@4"		
Analyte	Method	Date	8/15/11	8/15/11		
			mg/Kg	mg/Kg		•
Chloride	SM4500CI-B		20000	1260		
						,
i		Sample	SP3 @ 1'	Sample SP3 @ 1' SP3 @ 3' SP3 @ 5'	SP3 @5'	
Analyte	Method	Date	8/15/11	8/15/11	8/15/11	
			mg/Kg	mg/Kg	mg/Kg	
Chloride	SM4500CI-B		9400	8600	272	
						_

		Sample	SP4 @ 1'	Sample   SP4 @ 1"   SP4 @ 4"   SP4 @ 6"	SP4 @ 6
Analyte	Method	Date	8/15/11	8/15/11	8//15/11
			ву/вш	mg/Kg	mg/Kg
Chloride	SM4500CI-B		3680	10200	4720

		Sample	SP5@1'	Sample SP5 @ 1' SP5 @ 3' SP5 @ 7'	SP5 @ 7'
Analyte	Method	Date	6/15/11	8/15/11	8/15/11
			mg/Kg	mg/Kg	mg/Kg
Chloride	SM4500CJ-B		2600	12800	1960

		Sample	.t @ 9dS	SP6@1' SP6@3'
Analyte	Method	Date	11/91/8	8/18/11
			By/6m	ву∕ка
Chloride	SM4500CI-B		4240	2200

Chloride



September 02, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BIG GEORGE STATE #3

Enclosed are the results of analyses for samples received by the laboratory on 08/31/11 10:15.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 8



### Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

08/31/2011

Reported:

09/02/2011

Project Name: Project Number: **BIG GEORGE STATE #3** NONE GIVEN

Project Location:

COG

Result

5280

Result

13600

Sampling Date:

RS

448

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

08/15/2011

Jodi Henson

Sample ID: SP 1 @ 1' (H101850-01)

Chloride, SM4500CI-B

Chloride

Chloride

mg/kg

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

Analyzed

09/01/2011

Analyzed

09/01/2011

Method Blank

ND

% Recovery

112

True Value QC

RPD

0.00

0.00

0.00

Qualifier

Sample ID: SP 1 @ 4' (H101850-02)

Analyte

Analyte

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

ND

Method Blank

85 % Recovery True Value QC

400

400

RPD

Quatifier

Sample ID: SP 1 @ 8' (H101850-03)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte Result Chloride 9500

Analyzed 09/01/2011 Method Blank ND

BS 448

448

% Recovery 112

112

True Value QC 400

RPD

Qualifier

Sample ID: SP 2 @ 1' (H101850-04)

Chiaride, SM4500CI-B

mg/kg

Analyzed By: HM

Analyte Result Reporting Limit Analyzed Chloride 20000 16.0 09/01/2011

Method Blank

ND

BS 448 % Recovery 112

True Value QC 400

RPD 0.00

Qualifier

Cardinal Laboratories

\*=Accredited Analyte

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Celey & Kune

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 8



### Analytical Results For:

BBC International, Inc. Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

08/31/2011

Reported:

09/02/2011

Project Name: Project Number:

**BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

Analyte

COG

Result

1260

Sampling Date:

08/15/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: SP 2 @ 4' (H101850-05)

Chloride, SM4500CI-B

mg/kg

Reporting Limit

16.0

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: HM

09/01/2011

Analyzed

Analyzed Method Blank

BS

448

% Recovery

112

True Value QC 400

RPD Qualifier

0.00

Sample ID: SP 3 @ 1' (H101850-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

BS % Recovery True Value QC

RPD

Qualifier

Chloride

Chloride

Chloride

9400

Result

Result

8600

Result

272

16.0 09/01/2011 Method Blank ND

ND

448

112

400

0.00

Sample ID: SP 3 @ 3' (H101850-07)

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

Analyzed By: HM

Analyzed

09/01/2011

Analyzed

Method Blank

ND

BS

448

% Recovery

True Value QC

RPD

Qualifier

Sample ID: SP 3 @ 5' (H101850-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

112

400

0.00

Qualifier

Chloride

16.0 09/01/2011 Method Blank ND

BS 448

112

% Recovery

True Value QC 400

RPD 0.00

Chloride

Sample ID: SP 4 @ 1' (H101850-09)

Chloride, SM4500CI-B

Analyzed By: HM

% Recovery

112

Result

3680

09/01/2011

mg/kg

Reporting Limit Analyzed

Method Blank

ND

B\$

448

True Value QC

400

RPD

0.00

Qualifier

Cardinal Laboratories

Analyte

\*=Accredited Analyte

PLEASE NOTE: Liability and Day ed by Cardinal within thirty (30) days after complet

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 8



### Analytical Results For:

BBC International, Inc.

Cliff Brunson

P.O. Box 805 Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

08/31/2011

Reported:

09/02/2011

Project Name: Project Number: **BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

COG

Result

Sampling Date:

08/15/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

### Sample ID: SP 4 @ 4' (H101850-10)

			(	
Chloride,	SM4500	CI-B		

hloride, SM45	00CI-B	mg/k

Reporting Limit

Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD Qualifier

Chloride 10200 09/01/2011 ND 16.0 448 112 400 0.00

### Sample ID: SP 4 @ 6' (H101850-11)

Chloride, SM4S00CI-B	mg,	/kg	Analyz	ed By: HM
Analyte	Result	Reporting Limit	Analyzed	Method

Analyzed By: HM

Method Blank

B\$ % Recovery True Value QC

Qualifier

RPD

Chloride 09/01/2011 4720 16.0 ND 448 112 400 0.00

09/01/2011

### Sample ID: SP 5 @ 1' (H101850-12)

Chloride, SM4500Cl-B	mg/l	(g	Analyze
Analyte	Result	Reporting Limit	Analyzed

5600

12800

Result

1960

mg/kg

ed By: HM

Method Blank ND

В5 % Recovery 448

True Value QC 400

**RPD** 

Qualifier

Sample ID: SP 5 @ 3' (H101850-13)

Chloride, SM4500CI-B
----------------------

Chloride

Chloride

Chloride

Analyte	Result
Analyte	Result

Reporting Limit Analyzed Method Blank ND

85 448

BS

% Recovery 112

112

True Value QC 400

RPD 0.00

0.00

0.00

Qualifier

Sample ID: SP 5 @ 7' (H101850-14)

Chloride, SM4500CI-B

mg/kg Reporting Limit

16.0

16.0

16.0

Analyzed By: HM

Analyzed By: HM

Analyzed 09/01/2011

09/01/2011

Method Blank ND 448 % Recovery 112

True Value QC 400

RPD Qualifier

Cardinal Laboratories

Analyte

\*=Accredited Analyte

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Celen & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 8



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received: Reported: 08/31/2011

09/02/2011

Project Name: Project Number:

**BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

Analyte

COG

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

08/16/2011

Jodi Henson

Sample ID: SP 6 @ 1' (H101850-15)

Chloride, SM4S00CI-B

Analyzed By: HM

Analyzed

Analyzed

Method Blank

BS % Recovery

True Value QC

RPD Qualifier

Chloride

Result 4240

16.0 09/01/2011

Reporting Limit

Reporting Limit

ND

ND

448

112

400

0.00

Sample ID: SP 6 @ 3' (H101850-16)

Chloride, SM4500CI-B

mg/kg

Analyzed By: HM

Method Blank BS % Recovery

True Value QC

Qualifier

Chloride

Result 2200

16.0 09/01/2011

448

112

400

RPD 0.00

Cardinal Laboratories

\*=Accredited Analyte

Celey D. Keine Celey D. Keene, Lab Director/Quality Manager

Page 5 of 8



### **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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 8

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

-	101 East Marland, Hobbs, NM 88240		
Company Name	Company Name: BBC International, Inc.	OL 17/8	ANAL VSIS DECLIECT
Project Manage	Project Manager: Cliff Brunson		
Address: P.O. Box 805	. Box 805	Company:	
city: Hobbs	State: NM Zip: 88241	Attn:	
Phone #: 575-397-6388	Fax#: 575-	Address: Sylvile	
Project #:			
Project Name:	BINGER BIOK S	State: Zip:	
Project Location:	in:	**	
Sampler Name:	Soldan Wood Air	Fax #:	
FOR LAB USE GIVLY	MATRIX	1	
-	.9MO(ጋ) гяз язта		
Lab I.D.	MIATI WQNI	BYSE:	
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2	S316. 9	> 0/0/	
7	SD   C X	> 00//	
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0		× 121 × 1	
4-	S0363 6	× 19/21 × 1	
9;	S536.51	> 9/6 X	
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7	一人の一人のこのでは、一人のこのでは、一人のこのでは、一人のこのでは、これには、これには、これには、これには、これには、これには、これには、これに	ファバー>	-

PLEASE NOTE: Labely and Damages. Gronna's hapity and dent's evidance terredy to any claim along whather based it contract or left, that he known to be a mount paid by the client fur the analysis. At claims maked in the properties of the second state of the second paid by the completion cities sylventee in no event shall cannot be able to meeting or consequential damages including without findlers, outside second clies of position countries to plaint its subsidiaries.

CHECKED BY: 強 Received By: 2 Time: 5/10/ Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinauja

† Cardinal cannot accept verbal changes, Please fax written changes to 505-393-2476

420年

- ARDINAL LABORATORIES

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	Company Name: BBC International, Inc.		ANAI VSIS DECITERT
Project Manage	Project Manager: Cliff Brunson	1 40	
Address: P.O. Box 805	. Box 805	Company	
City: Hobbs	State: NM Zip; 88241	Atta:	
Phone #; 575-397-6388	Fax#: 575-	Address: STINC.	
Project #:	Project Owner: $(00)$	City:	
Project Name:	Project Name: 1314 (-: (i) Ge 13	State: Zip:	
Project Location:	n:	#	
Sampler Name:	Sordant when him	Fax#:	
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	
	SS LEB		
Lab I.D.	TAWATE	JOC ∀SE:	
H101450	(G)RAB # CONT # CONT # CONT # CONT # CONT	01НЕЯ ACID(8) ICE / CC DATE TIME	
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PLEASK NOTE: Latek and Danages, Cardinals shall yand denits actioave ranke) for any claim stands in extract or usual sectoral shall be activated to be activated to be amount paid by the deter for the analyses. All deters indicated to sever the cardinal and any does cause whiteces shall be activated to the several and controlled to make the activate and any activate white which thick on because white any controlled to make the controlled or make the controlled or the sectoral by denit is subsquired. All arts or succession and or or related to the performance of kentered the controlled or the sectoral sectoral sectoral and arts or succession and or or related to the performance of kentered to the controlled or the sectoral s

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Dollar Date					
	Late Com   Received By:	Phone Result:     Yes   No   Add   Phone #:	Yes	No IAdd'IP	hone #:
		Fax Result:	Yes	C) Yes C No  Add   Fax#:	3×#.
1 Color 1 1000 1	Time: Co. 32   Co. 22   Co. 22				
Relinquished By	Date: (2, ), Received By:				
	一つこの「ユスカー・オラグラング」				
Delivered By: (Circle One)	Sample Condition CHECKED BY:				
Sampler - UPS - Bus - Other:	ンクの Cool Intact (Initials)				
† Cardinal cannot accept verbal c	† Cardinal cannot accept verbal changes. Please fax written changes to 505-393.2476				
	が大				
	7				

Released to Imaging: 6/21/2024 10:37:02 AM

101 East Mariand, Hobbs, NM 88240 (505) 393-2326 FAX (505) 393-2476

- ARDINAL LABORATORIES



September 28, 2011

Cliff Brunson

BBC International, Inc.

P.O. Box 805

Hobbs, NM 88241

RE: BIG GEORGE STATE #3

Enclosed are the results of analyses for samples received by the laboratory on 09/27/11 10:17.

Cardinal Laboratories is accredited through Texas NELAP for:

Method SW-846 8021 Benzene, Toluene, Ethyl Benzene, and Total Xylenes
Method SW-846 8260 Benzene, Toluene, Ethyl Benzene, and Total Xylenes

Method TX 1005 Total Petroleum Hydorcarbons

Certificate number T104704398-08-TX. Accreditation applies to solid and chemical materials and non-potable water matrices.

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 (V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Page 1 of 7



### Analytical Results For:

BBC International, Inc. **Cliff Brunson** P.O. Box 805

Hobbs NM, 88241

Fax To:

(505) 397-0397

Received:

09/27/2011

Reported:

09/28/2011

Project Name:

**BIG GEORGE STATE #3** 

Project Number:

NONE GIVEN

Project Location:

Analyte

LOCO HILLS, NM

Sampling Date:

Sampling Type:

09/21/2011

Soil

Sampling Condition: Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: SP 1A @ 2 FT (H102056-01)

Chloride, SM4500CI-B

Result

Result

Analyzed By: HM

Method Blank

BS 416 % Recovery 104

True Value QC 400

RPD Qualifier

3.77

Chloride 14200 ND 16.0 09/28/2011

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

Sample ID: SP 1A @ 4 FT (H102056-02)

Chloride, SM4500CI-B

Analyte

Analyzed By: HM

Method Blank BS

% Recovery

112

True Value QC

RPD Qualifier

Analyzed Chloride 2560 16.0 09/28/2011 ND 416 104 400 3.77

Analyzed

Sample ID: 5P 1A @ 7 FT (H102056-03)

Chloride, SM4500CI-B

Analyte

Analyte

mg/kg

Analyzed By: HM

Result Reporting Limit

2920

Result

11400

Analyzed 09/28/2011 Method Blank

ND

BS

448

% Recovery True Value QC

RPD 0.00

Qualifier

Sample ID: SP 1A @ 12 FT (H102056-04)

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Analyzed By: HM

Analyzed 09/28/2011 Method Blank

ND

BS 448 % Recovery 112

True Value QC 400

400

RPD Qualifier 0.00

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 7



### Analytical Results For:

BBC International, Inc. Cliff Brunson P.O. Box 805

Hobbs NM, 88241

Fax To: (505) 397-0397

Received:

09/27/2011

Reported:

09/28/2011

Project Name: Project Number: **BIG GEORGE STATE #3** NONE GIVEN

Project Location:

Analyte

Analyte

Analyte

LOCO HILLS, NM

Sampling Date:

09/21/2011

Sampling Type:

Soil Cool & Intact

Sampling Condition: Sample Received By:

Jodi Henson

Sample ID: SP 1A @ 17 FT (H102056-05)

Chloride, SM4500Cl-B

Analyzed By: HM

Analyzed

Method Blank

ND

Method Blank

ND

BS

% Recovery

True Value OC RPD Oualifier

Chloride

Result 4720

16.0 09/28/2011

Reporting Limit

Reporting Limit

Reporting Limit

16.0

Reporting Limit

16.0

16.0

448

112

400

Sample ID: SP 1B @ 1 FT (H102056-06)

Chloride, SM4500CI-B

Analyzed By: HM

Analyzed

BS % Recovery

0.00

Qualifier

Chloride

Result 6480

16.0 09/28/2011

448

112

True Value QC 400

RPD 0.00

Sample ID: SP 1B @ 4 FT (H102056-07)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: HM

Analyzed

Method Blank

ND

RS

% Recovery

True Value OC

RPD

Qualifier

Chloride

Chloride

Chloride

Result 8260

Result

6720

Result

6800

09/28/2011

448

Chloride, 5M4500Cl-B

Analyzed By: HM

112

400

0.00

Sample ID: SP 1B @ 7 FT (H102056-08)

mg/kg

Analyzed

09/28/2011

Method Blank

BS

True Value QC

RPD

Qualifier

Qualifier

Sample ID: SP 4A @ 7 FT (H102056-09)

Analyzed By: HM

ND

448

400

0.00

112

RPD

Analyte

Analyte

Chloride, SM4500Cl-B

Reporting Limit Analyzed

09/28/2011

Method Blank

ND

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BS

448

% Recovery

112

% Recovery

True Value QC

400

0.00

Cardinal Laboratories

\*=Accredited Analyte PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising, whether any other cause whatspoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiances, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such

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Celey D. Keene, Lab Director/Quality Manager

Page 3 of 7



### Analytical Results For:

BBC International, Inc.

Cliff Brunson P.O. Box 805

Hobbs NM, 88241

- --

Fax To: (505) 397-0397

Received:

09/27/2011

Reported:

09/28/2011

Project Name:

**BIG GEORGE STATE #3** 

Project Number: Project Location: NONE GIVEN LOCO HILLS, NM Sampling Date:

09/21/2011

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

eceived By: Jodi Henson

### Sample ID: SP 4A @ 12 FT (H102056-10)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3520	16.0	09/28/2011	ND	448	112	400	0.00	

### Sample ID: SP 4A @ 17 FT (H102056-11)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	09/28/2011	ND	448	112	400	0.00	

### Sample ID: SP 7 @ 1 FT (H102056-12)

Chloride, SM4500CI-B	mg	/kg	An <u>alyze</u>	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1800	16.0	09/28/2011	ND	448	112	400	0.00	

### Sample ID: SP 7 @ 3 FT (H102056-13)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM			<u> </u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1500	16.0	09/28/2011	ND	448	112	400	0.00	

### Sample ID: SP 7 @ 6 FT (H102056-14)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	09/28/2011	ND	448	112	400	0.00	

### Cardinal Laboratories

\*=Accredited Analyte

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Celay to Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 7

ND



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

### **Notes and Definitions**

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Lubbing and Damages. C<sub>andinal</sub>'s liquiting and client's exclusive remedy for any claim arising, whilether based in contract or tork, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatspeever shall be deemed valued unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable sentce. In no event shall Cardinal be liable for incidental or consequential damages, michidang, without limitations, business interruliptions, loss of use, or loss of profits incurred by client, in subsidiances, affiliates or successors arong out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated realons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 7

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240	(505) 393-2326 FAX (505) 393-2476
•	

ARDINAL LABORATORIES

Сотрапу Nат	Company Name: BBC International, Inc.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	ANALYSIS REQUEST
Project Manage	Project Manager: Cliff Brunson	P.O. #;	
Address: P.O. Box 805	, Box 805	Company:	:
city: Hobbs	State: NM Zip: 88241	A(tn:	
Phone #: 575-397-6388	-397-6388 Fax#: 575-397-0397	Address:	
Project #:	にはついて Covi c by	City:	
Project Name:	Big Creomystate AS	State: Zip:	,
Project Locatio	Project Location: (See (1, 115 MM)	Phone #:	
Sampler Name:	Joseph Wood Fin	Fax#;	
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0)	35 B @ 16 F . ac		
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Õ	1524 A@ 1244 61		
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☐ Yes ☐ No Add Phone# ☐ Yes ☐ No IAdd Fax#: Phone Result: Fax Result: REMARKS: Relinguished By

Relinquished By:

Time:

Delivered By: (Circle One)

Sample Condition CHECKED By:

Sample CONDIT

EMAR ACL

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393(2476

シング井

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name	Company Name: BBC International Inc.	01 77/B	ANALYSIS REQUEST	
Project Manager	Project Manager: Cliff Brunson	P.O. #:		  -
Address: P.O. Box 805	Box 805	Company:		····
city: Hobbs	State: NM zip: 88241	Attn:		
Phone #: 575-397-6388	397-6388 Fax#: 575-397-0397	Address:		
Project #:	Project Owner: Cource to	City:		
Project Name:	Project Name: Bug Greenge Stiffle # 3	State: Zip:		
Project Location	Project Location: ( 2000 / // 1000 c	Phone #:		
Sampler Name:	Joico 4 r. Wood Ling	Fax#:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. H102 <i>056</i>	Sample (G)RAB OR (C)OMP. (G)RAB OR (C)OMP. # CONTAINERS WASTEWATER SOIL OIL	OTHER: OTHER: OTHER: DATE		

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2.6 TIME

Relinquished By:

O Yes O No

Email

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-1476 Cool Intact

*zv* 27

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

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

ARDINAL LABORATORIES

# **APPENDIX III**

**C-141** *July* 2012

### Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

Prepared by: BBC International, Inc.

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action													
						OPERA'	ГOR	M 🖂	itial Report 🔲 Final Repor				
Name of Co		COG OP				Contact Pat Ellis							
Address				dland, TX 7970	)1	Telephone No. 432-230-0077							
Facility Nat	me	Big	George			Facility Type Tank Battery							
Surface Ow	ner State			Mineral (	Owner	tr Lease No. (API#) 30-015-28759							
_				LOCA	ATIO	N OF REI	LEASE						
Unit Letter	Section 12	Township 17S	Range 28E	Feet from the	North	South Line	Feet from the	East/West Line	County Eddy				
			<u> </u>	Latitude 32			ide 104 07.595						
T	D			NAT	URE	OF RELI		1 27 4	D ) 46111				
Type of Rele Source of Re							Release 50bbls lour of Occurrence		Recovered 45bbls d Hour of Discovery				
						07/27/2011			011 10:00 a.m.				
Was Immedia	ate Notice (		Yes 🗆	No ☐ Not R	equired	If YES, To		Mike Bratcher -	OCD				
By Whom?	Josh R	usso	<del></del>			Date and H	lour 07/28/2011	9:35 a.m.					
Was a Water	course Read		Yes 🗵	No		If YES, Vo	lume Impacting t	he Watercourse.					
If a Watercou	rse was Im	pacted, Descri	be Fully.			<u> </u>							
Describe Cause of Problem and Remedial Action Taken.*													
A sudden rush of production caused a tank overflow due to an alarm system failure. The alarm has been repaired.													
Describe Area Affected and Cleanup Action Taken.*													
truck. The sp	ill area mea ple the spil	sure roughly : I site area to d	30' x 30' i Ielineate a	nside the facility	walls.	All free fluid I	nas been picked u	p and contamina	o recover 45bbls with a vacuum ted gravel has been removed. an to the NMOCD for approval				
regulations all public health should their o	l operators a or the envir perations ha ment. In ac	are required to onment. The ave failed to a ddition, NMO	report an acceptanc dequately CD accept	d/or file certain re e of a C-141 repo investigate and re	clease no ort by the emediate	otifications and NMOCD me e contamination	d perform correct arked as "Final Re on that pose a thre	tive actions for report" does not re at to ground wa	rsuant to NMOCD rules and eleases which may endanger elieve the operator of liability er, surface water, human health compliance with any other				
		フレ	7		1	OIL CONSERVATION DIVISION							
ر 	/	~ /	/ <	<u> </u>									
Printed Name		Josh	Russo	<del>/</del>	-	Approved by I	District Superviso	T:					
Title:			ordinator		,	Approval Date	2.	Expiration	Date:				
E-mail Addres	ss:	jrusso@conch	oresource	es.com		Conditions of	Approval:		Attached				
Date: 08/0	2/2011	Phor	ne: 43	2-212-2399									

Recgived by OCD: 6/18/2024 3:01:33 PM

1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztee, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 63 of 367
Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action

			Kei	ease Notific	catto	n and Co	orrective A	ction				
						OPERA'	TOR		🗌 Initi	al Report	$\boxtimes$	Final Repo
Name of Co		COG Opera				Contact	Pat Ellis					
	***************************************			nd, TX 797 <u>01</u>		Telephone l	<del></del>					
Facility Na	ne Big	George State	lank Ba	ittery	1	Facility Typ	e Tank Bat	tery				
Surface Ow	ner Stat	е		Mineral (	)wner	r Lease No. (API#) 30-015-28759						
				LOCA	ATIO	N OF RE	LEASE					
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/W	est Line	County		
l j	12	17S	28E							Eddy Cour	ity. N	М
			]	atitude <u>N 32</u>	50.869	Longitu	de <u>W 104 07.5</u>	95	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· · · · · · · · · · · · · · · · · · ·		
				NAT	URE	OF RELI	EASE					
Type of Rele	ase Produ	aced water				Volume of		ols	Volume I	Recovered	45 bh	ıls
Source of Re	ease Wa	ter tank					lour of Occurrence			Hour of Disc		1
Westward	N.CC	N:O				07/27/2011			07/27/201	1 @ 10:00 a	, m.	
Was Immedia	ite Notice C		Yes 🗌	No 🔲 Not Re	equired	If YES, To Mike Brate						
By Whom?	Josh Russ						lour 07/28/201	1 @ 0.75				
Was a Water							lume Impacting t					
			Yes 🏻	No		,						
If a Watercou	rse was Imp	pacted, Descri	be Fully.*						<del></del>			<u></u>
			-									
[												
							_					
Describe Cau	se of Proble	m and Remed	lial Action	Taken.*								
A sudden rusi	h of product	tion caused a t	ank overf	low due to an alar	m svst <i>e</i>	em failure. Th	e alann has been	repaired	Free-stat	nding fluids	were t	recovered via
vacuum truck					III oyuu							
Describe Are	Affected a	ınd Cleanup A	ction Tak	en *	·-	<del></del>						
		-										
Initially 50 bb	ls of water	were released	from the	tank inside the fac	cility w	alls of the Big	George State Tar	nk Batter	y. We we	re able to rec	over 4	45 bbls with
a vacuum truc	k. The spil	II area measuri a NMOCD-ar	ed approx. noroved fa	imately 30' x 30' cility. Remediati	inside l on was	the facility wall completed in	lls. All free fluid accordance with a	was pick NMOC	ed up and D approve	the impacted al remediation	asou moda	nas been n. A clav
liner was inst				erinty. Herricalati	OII Mas	VO.1.1.P.1.						
I hand	: ماه معامد <u>:</u>	£		is true and compl	-1- 10 11	ha hast of my	transladas and ve	- d	that must	uant to NMC	YCD =	ulas and
				d/or file certain re								
public health	or the enviro	onment. The	acceptance	e of a C-141 repo	rt by th	e NMOCD ma	irked as "Final Re	eport" do	es not reli	eve the opera	ator of	fliability
should their o	perations ha	ive failed to a	dequately	investigate and re	mediat	e contaminatio	on that pose a thre	at to gro	und water	, surface wat	er, hu	man health
federal, state,				ance of a C-141 r	ероп а	oes not refleve	the operator of r	esponsini	utty for co	impriance wi	in any	otner
				7			OIL CONS	SERVA	TION	DIVISIO	N	
Ciann					-						_	
Signature:			`	<del></del>		A bee T	District Communica					
Printed Name	Jesh Ru	sso				Approved by I	District Superviso	л; ————				<u> </u>
Title: HSE	Coordinator	•				Approval Date	2:	Ex	piration I	Date:		
								•				
E-mail Addres	s: jrusso(	@conchoresor	urces.com		'	Conditions of a	Approval:		Attached			
Date: 07	-26-20	/2	Phone:	432-212-2399				***		<u> </u>		

Form C-141

Disprict 1
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised October 10, 2003 Submit 2 Copies to appropriate

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action

_						OPERA	TOR		- 🛭 Initi	al Report		Final Report	
Name of Co		COG OP			ĺ	Contact Pat Ellis							
Address				dland, TX 7970		Telephone l		230-00					
Facility Nat	ne .	Big George :	State Tan	k Battery	l	Facility Typ	e Tani	k Batte	ry				
Surface Ow	ner Stat	e		Mineral O	wner	er Lease No. (API#) 30-015-26340							
				LOCA	OITA	N OF REI	LEASE						
Unit Letter J	Section 12	Township 17S	Range 28E	Feet from the	North	/South Line	Feet from the	East/\	Vest Line	County	Eddy		
				Latitude 32 5	•	•	ide 104 07.600			••••			
·			_	NAT	URE	OF RELI			<del></del>				
Type of Rele				of water pump			Release 8bbls  lour of Occurrence			Recovered 7			
Source of Re	icase 74 n	ippie on disch	arge side	or water pump		03/12/2012	!	e 		Hour of Dise 2 6:30 a.m			
Was Immedia	ate Notice C		Yes ⊠	No ⊠ Not Re	quired	If YES, To	Whom?			·			
By Whom?						Date and H	lour						
Was a Water	ourse Reac		Yes 🏻	No		If YES, Vo	lume Impacting t	he Wate	rcourse.	-			
If a Watercourse was Impacted, Describe Fully.*													
Describe Cau	se of Proble	m and Remed	lial Action	Taken.*									
The ¼" nipple	e on the disc	charge side of	the water	pump failed do to	vibrati	ion and corros	ion. The ¼" nip	ple has l	been replac	ed.			
Describe Area	Affected a	nd Cleanup A	ction Tak	en.*									
roughly 10' x been picked u	60' inside to p and the o	he tank batter verspray area	y with an has been s	rom the water pun area of overspray scraped with a bac the 07/27/2011 sp	measu khoe.	ring roughly 3 This spill area	0° x 50° on location	on outsi	de of the ta	nk battery.	All fre	e fluids have	
regulations all public health should their of or the environ	I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.											danger liability nan health	
6:		7_	-	7	_		OIL CONS	ERV.	ATION	DIVISIO	<u>N</u>		
Signature: Printed Name:		Josh I	Russo		<del>-</del>	Approved by I	District Superviso	r:					
Title:			ordinator			Approval Date	:	E	xpiration [	Pate:			
E-mail Addres	ss:	irusso@conch	oresource	s.com		Conditions of	Approval:			Attached			
Date: 03/2	6/2012	Pho	ne: 43	32-212-2399									

<sup>\*</sup> Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe. NM 87505 Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### Release Notification and Corrective Action **OPERATOR** ☐ Initial Report ☐ Final Report Name of Company COG Operating LLC Contact Pat Ellis 550 W. Texas, Suite 100, Midland, TX 79701 Telephone No. 432-230-0077 Facility Name Big George State Tank Battery Facility Type Tank Battery Mineral Owner Surface Owner Lease No. (API#) 30-015-26340 LOCATION OF RELEASE Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 12 17S 28E Eddy County, NM Latitude N 32 50.852 Longitude W 104 07.600 NATURE OF RELEASE Type of Release Volume of Release Volume Recovered Produced water 8 bbls 7 bbls Date and Hour of Occurrence Source of Release 4" nipple on discharge side of water pump Date and Hour of Discovery 03/12/2012 03/12/2012@ 6:30 a.m. Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☒ No ☒ Not Required By Whom? Date and Hour Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes 🖾 No If a Watercourse was Impacted, Describe Fully.\* Describe Cause of Problem and Remedial Action Taken.\* The ¼" nipple on the discharge side of the water pump failed due to vibration and corrosion. The ¼" nipple has been replaced. Describe Area Affected and Cleanup Action Taken,\* Initially 8 bhls of produced water were released from the water pump and we were able to recover 7 bbls with a vacuum truck. The spill area measured roughly 10' x 60' inside the tank battery with an area of overspray measuring roughly 30' x 50' on location outside of the tank battery. All free liquids were picked up and the overspray area was scraped with a backhoe. The spill area was identical to the spill from 07/27/2011. The NMOCD agreed to allow the approved remediation plan for the spill of 07/27/2011 to handle this spill as well. The impacted soil was removed, a clay liner installed, and the site backfilled. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. **OIL CONSERVATION DIVISION** Signature: Approved by District Supervisor: Jash Russo Printed Name: **Expiration Date:** Title: HSE Coordinator Approval Date: E-mail Address: jrusso@conchoresources.com Conditions of Approval: Attached [ 07/26/2012 Phone: 432-212-2399

### **Kathy Purvis**

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: Thursday, August 16, 2012 10:42 AM

To: Kathy Purvis

**Cc:** cbrunson@bbcinternational.com

**Subject:** RE: Final C-141s for COG, Big George State Tank Battery

Form C-141's received.

Thank you,

Mike Bratcher NMOCD District 2 811 S. First Street Artesia, NM 88210 O: 575-748-1283 X108 C: 575-626-0857

F: 575-748-9720

From: Kathy Purvis [mailto:kathy@bbcinternational.com]

Sent: Thursday, August 16, 2012 10:22 AM

To: Bratcher, Mike, EMNRD

Cc: cbrunson@bbcinternational.com

Subject: Final C-141s for COG, Big George State Tank Battery

Importance: High

The final C-141s for the two leaks at the Big George State Tank Battery are attached. Please respond via email upon receipt.

Kathy Purvis BBC International, Inc. 1324 W. Marland Hobbs, NM 88240 Phone: (575) 397-6388

Fax: (575) 397-0397
Email: kathy@bbcinternational.com

# **APPENDIX IV**

## **Pictures of Pit Remnants**

September 2011

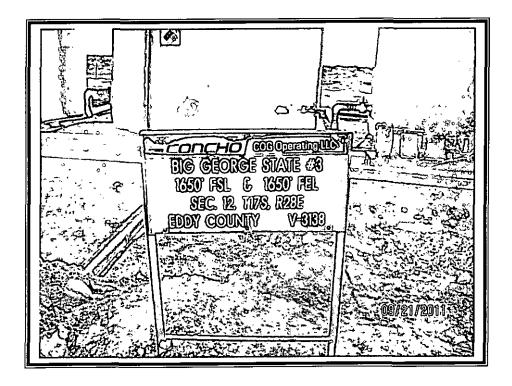
### Big George State #3 Battery (07/27/2011 and 03/12/2012)

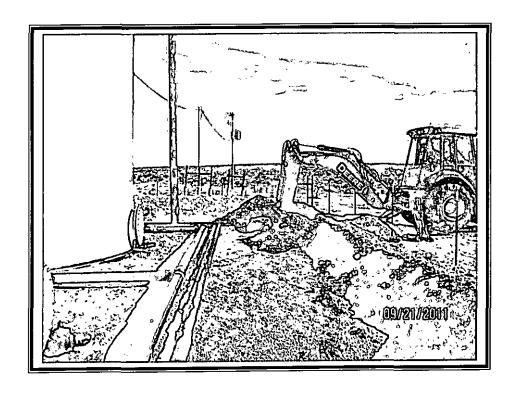
Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

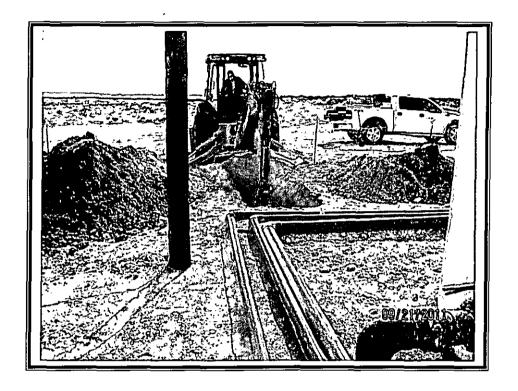
Prepared by: BBC International, Inc.

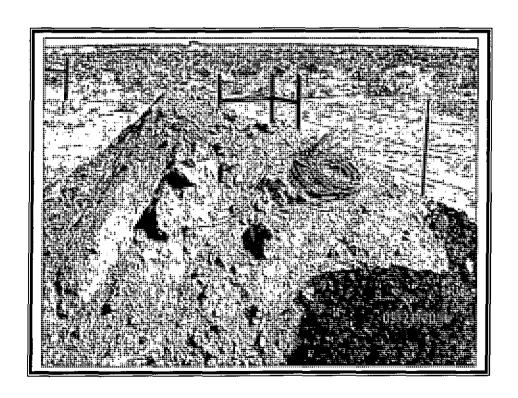










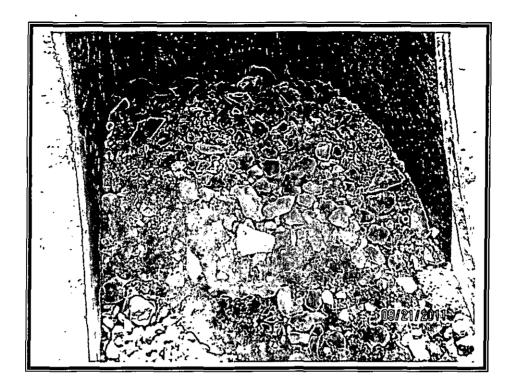


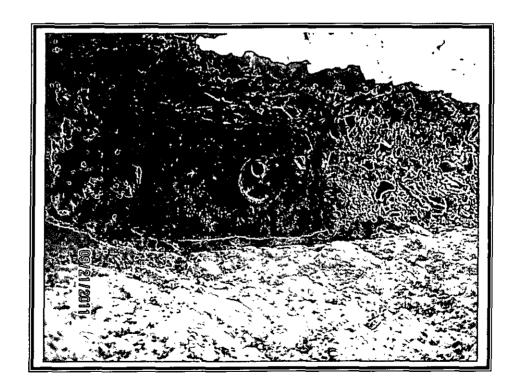












# APPENDIX V

Pictures of Remediation Activities

July 2012

Big George State #3 Battery (07/27/2011 and 03/12/2012)

Unit J, Section 12, Township 17 South, Range 28 East Eddy County, NM GPS: N 32 50.869 W 104 07.595

> Prepared for: COG Operating LLC Midland, Texas

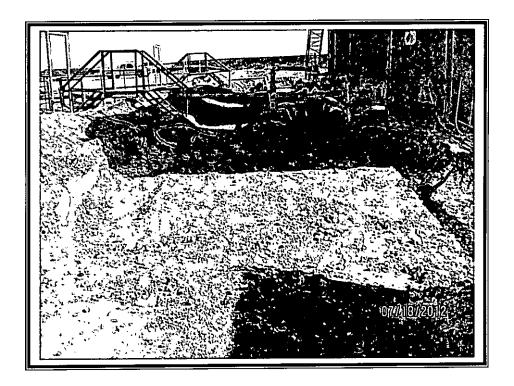
Prepared by: BBC International, Inc.

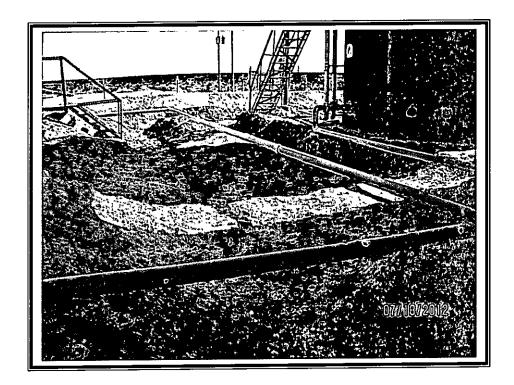




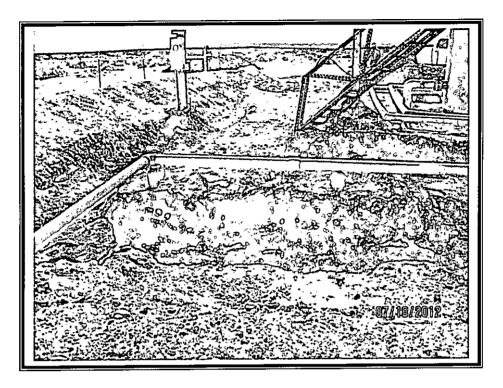


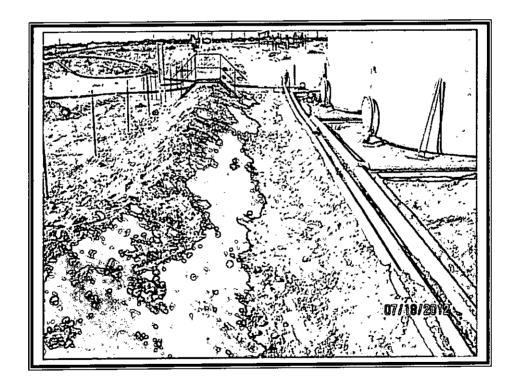




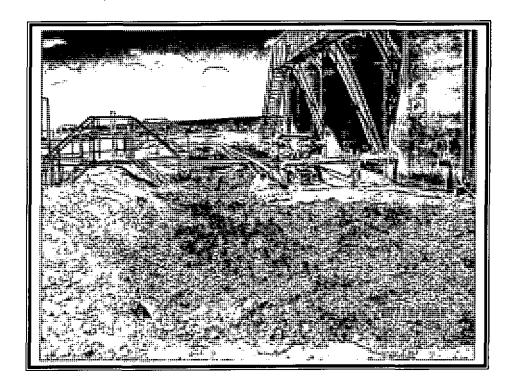


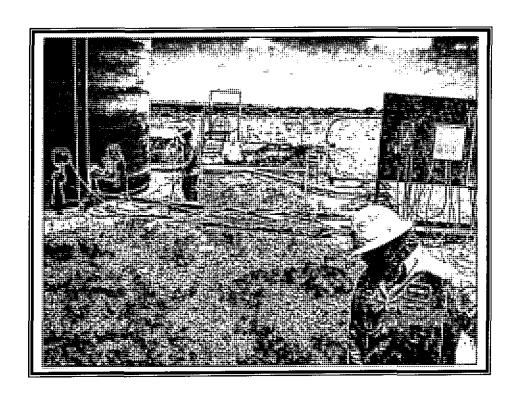




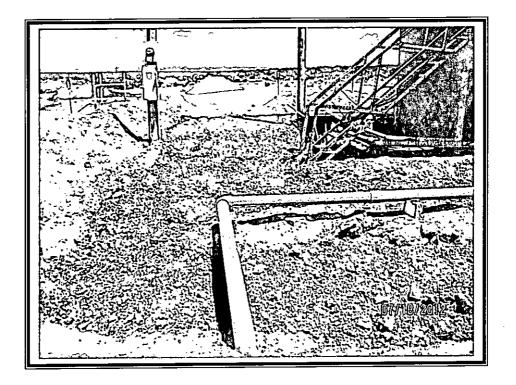


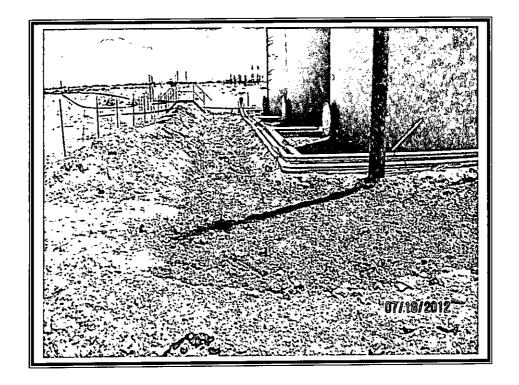




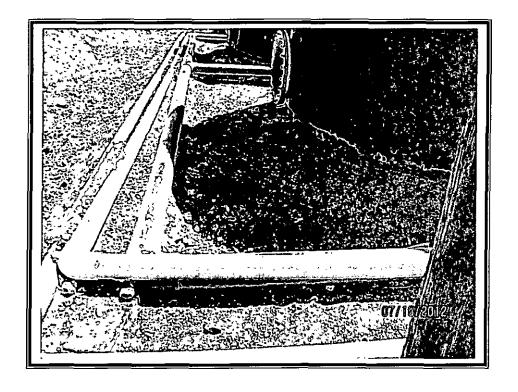


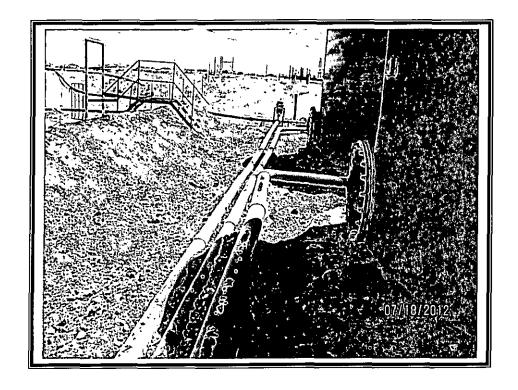




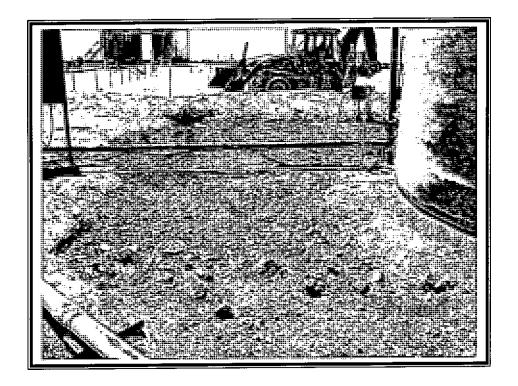


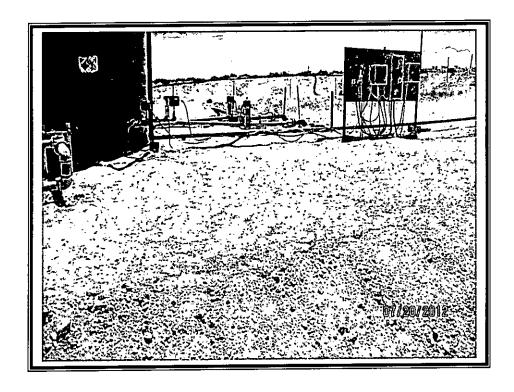




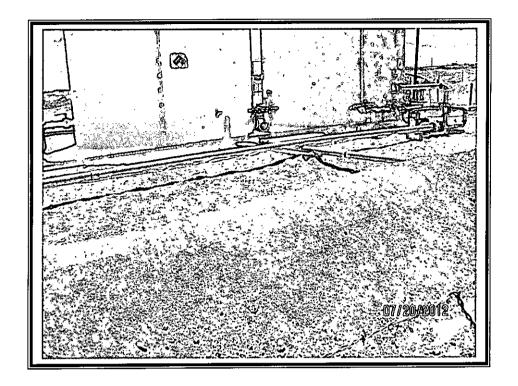


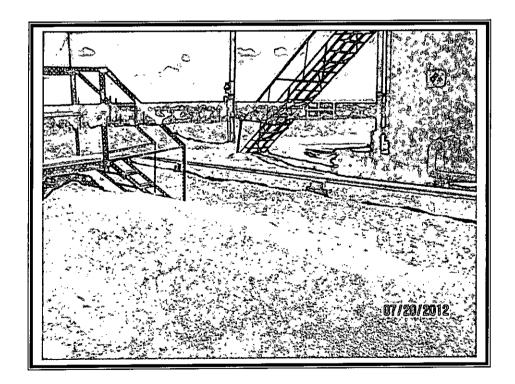




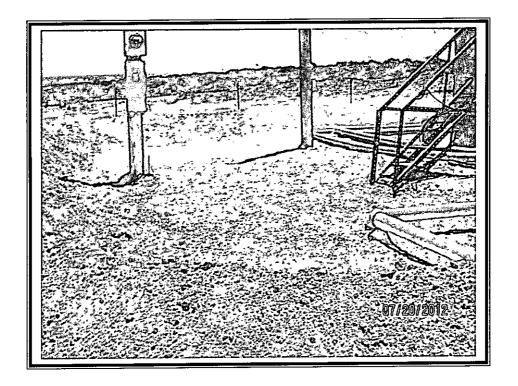


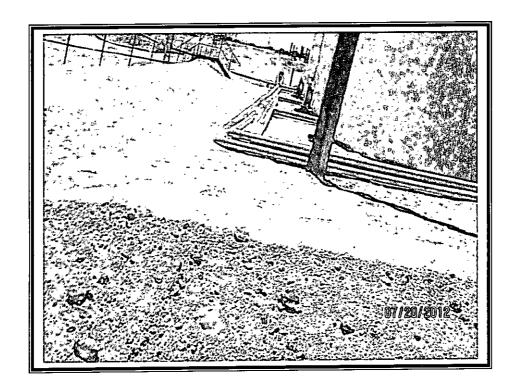




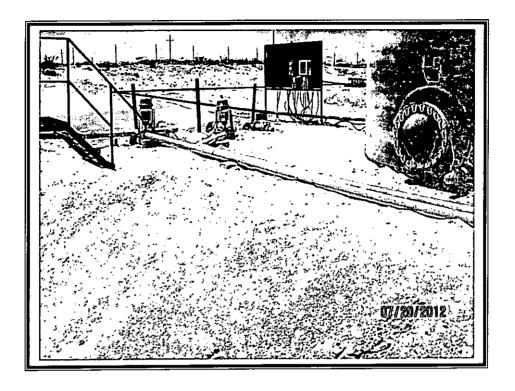












# APPENDIX C Regulatory Correspondence

Amanda,

As indicated in previous communication, the following is a listing of District II Remediation Permits (2-RP) that are being deferred by the Oil Conservation Division (OCD) based on available information. Generally speaking, these sites will be indicated as deferred until Plugging & Abandonment (P&A) activities.

If there are specific questions please do not hesitate to contact the OCD.

Thank you for your time and effort.

### **DEFERRED RP's**

1025, 1116, 1077, 1002, 1084, 1095, 854, 1079, and 1164.

Sincerely,

**Bradford Billings** 

### **Poole, Nicholas**

From: McMillan, Michael A. <mmcmillan@slo.state.nm.us>

Sent: Friday, December 2, 2022 12:43 PM

To: Sarah Chapman Crosby, Faith

**Subject:** Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) Update on

battery 20221202

#### Sarah:

Has Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) began construction of the new battery.

The NMSLO concern is that there are two spills at this SW Easement-possibly where the new battery is being located.

The NMSLO wants to make sure that if in fact the spills were located at the old battery, the spills get remediated before the battery is constructed.

It is confusing when you look at the OCD website to determine the status of the two open spills. The first one I will bring up is NMBL1122858011/2RP854

If you pull up nMBL1122858011 on the OCD incident Page it shows it as Closure Not Approved. When you go to 2RP854 on the OCD Administrative Orders, the OCD granted deferral until the well is P&A.

The second one I will bring up is nMBL1209641725/2RP1079

If you pull up MBL1209641725 on the OCD incident Page it shows it as Closure Not Approved. When you go to 1079 the OCD Administrative Orders, the OCD granted deferral until the well is P&A.

We had e-mailed about this before, but I was unsure of how Spur was proceeding.

Mike

Michael McMillan
Petroleum Specialist
Oil, Gas, and Minerals Division
Water Bureau
505-827-5788
mmcmillan@slo.state.nm.us

\*The New Mexico State Land Office will be closed from 12/22/2022 – 12/28/2022. The office will reopen on Thursday 12/29/2022. Happy Holidays!

**CAUTION External Email** - Don't click on contents unless you know they are safe

### Poole, Nicholas

From: McMillan, Michael A. <mmcmillan@slo.state.nm.us>

Sent: Friday, December 2, 2022 1:42 PM

**To:** Sarah Chapman **Cc:** Crosby, Faith

**Subject:** Spur Energy Partners LLC, Big George State #3, API 30-015-28759, SW-199 (NMSLO) Update on

battery 20221202 Part II

#### Sarah:

Spur Energy Partners LLC must contact the OCD Environmental Bureau to determine why the closures for the two spills in the first e-mail sent on December 2 2022 have not been approved.

Spur Energy Partners LLC has until December 16, 2022 to notify the NMSLO why the closures have not been approved by the NMSLO.

If there is no response from Spur Energy Partners LLC on the closure issues by December 15, 2022, the SW Easement will not be renewed.

Next, after Faith went through the e-mails between Spur Energy Partners and the NMSLO, and then looked at the OCD Incident Reports, it appears that the new battery is going to be located where spills are located.

The NMSLO absolutely does not want the new battery to be located where the spills are -f the spills have not been properly remediated.

**Thanks** 

Mike

Michael McMillan
Petroleum Specialist
Oil, Gas, and Minerals Division
Water Bureau
505-827-5788
mmcmillan@slo.state.nm.us

\*The New Mexico State Land Office will be closed from 12/22/2022 – 12/28/2022. The office will reopen on Thursday 12/29/2022. Happy Holidays!

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From: Hall, Brittany, EMNRD
To: Llull, Christian
Cc: Poole, Nicholas

Subject: RE: [EXTERNAL] Extension Request 2 - nMLB1122858011 (Big George State #3 Battery) AND nMLB1209641725

(Big George State #3 Battery)

**Date:** Thursday, March 21, 2024 4:23:06 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png

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

### Christian,

The extension requests for nMLB1122858011 (Big George State #3 Battery) <u>AND</u> nMLB1209641725 (Big George State #3 Battery) are approved. The new due date for the two incidents is June 17, 2024. Please be advised that this will be the last extension request for the Site Characterization and Remediation Plans for the two above referenced incident numbers.

Please include a copy of this correspondence in the reports.

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/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at <a href="https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/">https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/</a> or <a href="https://www.emnrd.nm.gov/ocd/ocd-forms/">https://www.emnrd.nm.gov/ocd/ocd-forms/</a>.

From: Llull, Christian < Christian.Llull@tetratech.com>

Sent: Thursday, March 21, 2024 11:24 AM

**To:** Hall, Brittany, EMNRD <Brittany.Hall@emnrd.nm.gov> **Cc:** Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>

Subject: [EXTERNAL] Extension Request 2 - nMLB1122858011 (Big George State #3 Battery)

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

Ms. Hall,

On behalf of ConocoPhillips, Tetra Tech is requesting a 90-day extension (until June 17, 2024) to finalize negotiations for the Big George State #3 Battery Release site (**nMLB1122858011**).

The release occurred on July 27, 2011, and the initial C-141 Report Form was received by NMOCD on August 2, 2011. Assorted assessment activities have been conducted at this site. A Revised Work Plan was submitted describing the collected data.

The OCD rejected the proposed Work Plan and provided the following comments:

- The OCD spoke to a Spur representative and Spur stated that they will not be building in the vicinity of the release location. Per 19.15.29.12 (C)(2) The responsible party shall restore the impacted surface area of a release occurring on a developed well pad, central tank battery, drilling site, compressor site or other exploration, development, production or storage sites to meet the standards of Table I of 19.15.29.12 NMAC or other applicable remediation standards and restore and reclaim the area pursuant to 19.15.29.13 NMAC. As the area of the release is no longer reasonably needed for production operations or for subsequent drilling operations, the site must meet the requirements of 19.15.29.12 NMAC and 19.15.29.13 NMAC.
- Horizontal delineation of BH-12 was not completed in the four cardinal directions as instructed in the previous rejection for this incident number, see application ID 191222. Horizontal delineation will need to be completed.
- Submit a complete report through the OCD Permitting website by 12/20/2023.

A 90-day extension for incident ID (nMLB1122858011) was submitted to the NMOCD on December 13, 2023. The Extension was approved on December 15, 2023, for a new due date of March 19, 2024.

ConocoPhillips has delineated the vicinity of BH-12, and has a 2024 Revised Remediation Work Plan Addendum in draft and review.

ConocoPhillips has coordinated with Spur Representatives regarding the Revised Work Plan Addendum and the proposed action, however, negotiations are ongoing regarding the final reclamation of the pad area.

Thus, the extension is required to allow time for official negotiations regarding the 2024 Revised Remediation Work Plan Addendum between COP and Spur.

Once all parties have agreed to a common resolution, the final Report will be submitted to the OCD. Please let me know if you have any questions or concerns.

Thank you in advance.

Christian

Christian Llull, P.G. | Program Manager

Mobile +1 (512) 565-0190 | christian.llull@tetratech.com

Tetra Tech | Leading with Science® | OGA

8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

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Please cor	nsider the environment before printing. Read more
?	

From: Braidy Moulder
To: Poole, Nicholas
Cc: Katherine Purvis

Subject: RE: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised Remediation Work Plan

Addendum

**Date:** Tuesday, June 11, 2024 4:33:05 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png image005.png image006.png

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Nicholas, I just received word that we will be moving a temporary h-pump onto the Big George pad in the next 2 weeks, and it will be in operation for the next 4 – 6 months. So, the remediation and reclamation will have to be put on hold.

Braidy Moulder EHS Manager Spur Energy Partners, LLC. 713-264-2517



From: Braidy Moulder <br/> <br/>bmoulder@spurenergy.com>

Sent: Monday, June 10, 2024 12:32 PM

To: Poole, Nicholas <NICHOLAS.POOLE@tetratech.com>

Subject: RE: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised

Remediation Work Plan Addendum

Nicholas, this appears to be good.

Braidy Moulder
EHS Manager
Spur Energy Partners, LLC.

713-264-2517



**From:** Poole, Nicholas < <u>NICHOLAS.POOLE@tetratech.com</u>>

Sent: Wednesday, June 5, 2024 10:16 AM

**To:** Braidy Moulder < <u>bmoulder@spurenergy.com</u>>

Subject: FW: [EXTERNAL]AoC 7310 - Big George State #3 Release (nMLB1209641725) - Revised

Remediation Work Plan Addendum

Braidy,

Please see attached revised Release Characterization and Remediation Work Plan Addendums for the Big George State #3 coincident Releases (nMLB1209641725 & nMLB1122858011). The word document report are included along with figures.

With your approval and any incorporated comments, on behalf of COP, we will submit the two reports to the OCD.

Nicholas

Nicholas Poole, GIT | Project Manager

Mobile +1 (512) 560-9064 | nicholas.poole@tetratech.com

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8911 N. Capital of Texas Highway | Bldg. 2, Suite 2310 | Austin, TX 78759 | tetratech.com

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## **APPENDIX D Site Characterization Data**

212C-M	D-02933	T	E	ETRA	TEC	H					LC	G OF BO	RING DTW			Page 1 of 1
Project Na	ame: Big	George	Sta	te #3	3										<u>l</u> _	
Borehole	LocationGPS					104.12	7026			Surface Eleva	ation:	3714 ft				
	Number:DT\							T E	Boreho Diame	ole ter (in.): 6		Date Started:	1/3/2023	Date F	inished:	1/3/2023
										iter (iii.).	W	ATER LEVE	EL OBSERVATIO	NS		
			(%)	(%)						While Drilling	ig $\overline{\underline{Y}}$	DRY ft L	Jpon Completion of D	Orilling	<u>▼</u> DR	tY_ft
<u>ш</u>	ELD (ppm)	(mdd)	ERY (	TENT	cf)		NDEX	(%		Remarks:						
DEPTH (ft) OPERATION TYPE	SAMPLE CHLORIDE FIELD SCREENING (ppm)	VOC FIELD SCREENING (ppm)	SAMPLE RECOVERY (%)	MOISTURE CONTENT (%)	DRY DENSITY (pcf)	F LIQUID LIMIT	PLASTICITY INDEX	MINUS NO. 200 (%)	GRAPHIC LOG	M.	IATER	RIAL DESC	RIPTION		DEPTH (ft)	REMARKS
									000	CALICI	HE (C	ompacted P	ad Material): White moist, with clay-ric	e to		
									000	sand			•		3	
$\left \begin{array}{c}5\\ \end{array}\right\rangle$										brown, me	HE (O edium	lder Pad Ma dense, dry,	iterial): White to pa with fine grained s	ale sand	6	
$ \langle \langle \exists \rangle \rangle $										CALICI	HE: W	hite to pale fine grained	brown, medium d sand			
$\left  \begin{array}{c} 10 \\  \end{array} \right\rangle \rangle$										-SM- SAN	ND: W	hite to pale	brown, loose, dry, with caliche nodu	very		
										-SM- SAN	ND: W	hite to pale	brown, loose, dry,		_ 	
15													liche fragments dry, fine grained, v	with		
										caliche no		,	,, g, .			
20 \															_	
$ \langle                $																
25 \										-SC- SAN	ND: Da	ark brown, lo	ose, slightly moist	,	24	
										fine to coa		rained, with	fine grained grave	l and	-	
$\left \left\langle \left\langle \boxed{}_{30}\right\rangle \right\rangle \right $												eddish brow	n, loose, dry, very	fine	29	
										grained			,, <b>,</b>			
35										CD CM	CAND	. 1 : ==== 1	- dawaa dwy fiwa	4-	34	
$\begin{vmatrix} 35 \\ - \end{vmatrix} $										coarse gra	ained,	with fine gra	n, dense, dry, fine ained gravel	ю	-	
$ \langle \langle   \rangle \rangle$																
40																
															_	
45 (										1						
										-					 49	
50 \									<del>, U</del>	-SP- GRA	AVELL	Y SAND:Lig	ght brown, dense, o	dry,		
									0 (	fine to coa	arse gi	rained				
55 \ \									Ø	└ Change	es fror	n fine graine	ed gravel to fine to	_		
										coarse gra			le at 55.0 feet.			
											251101	3. 20.0110	.5 3. 55.5 1551.			
Sampler Types:	Split Spoon	А	cetat	e Line	, C	)pera	ition			Hand Auger	Notes	:				
, , , , , ,	Shelby	M v	ane S	Shear			Mud Rota	l arv		Air Rotary			n is an estimated v	alue fro	m Goo	gle Earth
	Bulk Sample		)iscret					tinuou nt Aug	ıs 🖺	Direct Push	data.					
	M Grab Sample	□-	est P				Wa:	sh		Core Barrel						
Logger:	Colton Bicket					Drillin			ent: Air	Rotary	Driller	: Scart	porough Drilling			



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) (R=POD has been replaced, O=orphaned, C=the file is

closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

4 2 2 14 17S 28E

(NAD83 UTM in meters)

(In feet)

Depth Depth Water

POD Sub-

Sub- Q Q Q
Code basin County 64 16 4 Sec Tws Rng

X Y 580495 3633981

 Distance
 Well Water Column

 1457
 140
 58
 82

1101 110 00

Average Depth to Water: 58 feet

Minimum Depth: 58 feet

Maximum Depth: 58 feet

**Record Count: 1** 

**POD Number** 

RA 12307 POD1

**UTMNAD83 Radius Search (in meters):** 

Easting (X): 581744.8 Northing (Y): 3634731.42 Radius: 2000

### OCD Potential Karst Map

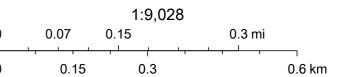


12/16/2022, 2:06:15 PM Karst Occurrence Potential

High

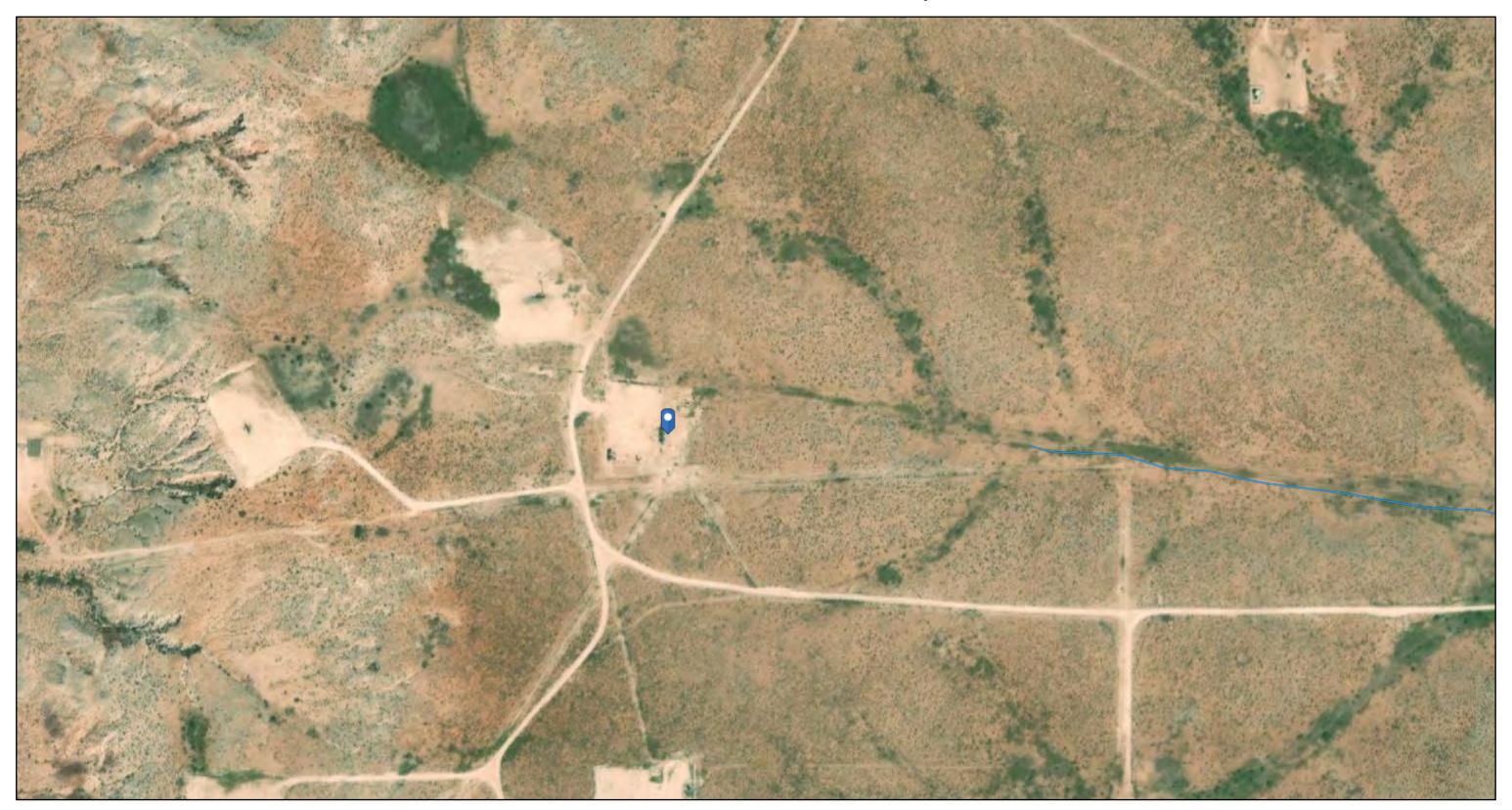
Medium

Low

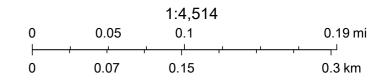


BLM, OCD, New Mexico Tech, Esri, HERE, Garmin, iPC,

## OCD Waterbodies Map



12/16/2022, 2:10:02 PM
OSE Streams



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

# **APPENDIX E Photographic Documentation**



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	Adjacent Big George State #2 lease sign.	1
212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	12/08/2022



TETRA TECH, INC.	DESCRIPTION	View east/southeast. View of inactive production equipment located on the eastern edge of the lease pad.	2
PROJECT NO. 212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	12/08/2022



TETRA TECH, INC.	DESCRIPTION	View Southwest. Corner of shared containment, view of active Big George State #2 tank battery, prior to decom.	3
PROJECT NO. 212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	12/08/2022



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View southwest. View of former containment area after battery deconstruction.	4
212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/3/2023



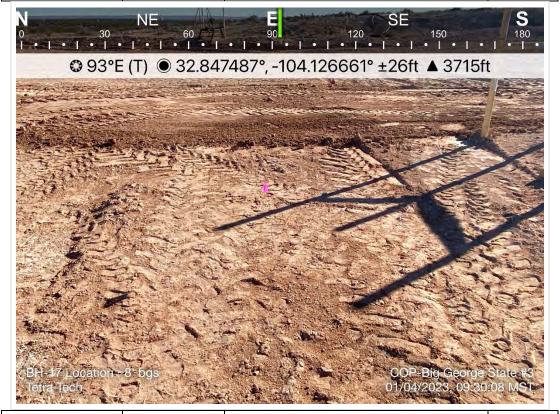
TETRA TECH, INC.	DESCRIPTION	View south. View of former battery area.	5
PROJECT NO. 212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View northeast. View of former battery area.	6
212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/3/2023



TETRA TECH, INC.	DESCRIPTION	View north. View of former battery area.	7
PROJECT NO. 212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/3/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View east. View of former battery area post-berm removal.	8
212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/4/2023



TETRA TECH, INC.	DESCRIPTION	View west. View of BH-6 Location.	9
PROJECT NO. 212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/4/2023



TETRA TECH, INC. PROJECT NO.	DESCRIPTION	View south. View of BH-21 Location.	10
212C-MD-02933	SITE NAME	ConocoPhillips Big George State #3	1/4/2023

# **APPENDIX F Laboratory Analytical Data**



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

January 11, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/10/23 16:24.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 17 (0-1') (H230115-01)

BTEX 8021B

DIEX GOLLD	9/ 1.9		Analyzea Byl 5117						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	01/10/2023	ND	2.08	104	2.00	0.314	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.07	103	2.00	0.455	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	1.33	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 % 71.5-13		4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 17 (3-4') (H230115-02)

BTEX 8021B

	9,9		7,=5u = <b>7</b> 1.51.1,						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	01/10/2023	ND	2.08	104	2.00	0.314	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.07	103	2.00	0.455	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	1.33	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 % 71.5-13		4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	94.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (6-7') (H230115-03)

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	01/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	01/10/2023	ND	2.08	104	2.00	0.314	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.07	103	2.00	0.455	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	1.33	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	2680	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	97.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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Celeg D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (7-8') (H230115-04)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	1340	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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Celey D. Kune



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 17 (9-10') (H230115-05)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	976	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 17 (14-15') (H230115-06)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Alldiyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113 %	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (0-1') (H230115-07)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	3680	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	99.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (4-5') (H230115-08)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	3280	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (7-8') (H230115-09)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	200	100	200	1.40	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	209	105	200	0.105	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	109	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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Celeg D. Freene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (8-9') (H230115-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	368	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 18 (9-10') (H230115-11)

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	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 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	400	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (0-1') (H230115-12)

RTFY 8021R

Analyte  e*  e*  nzene*  ylenes*	Result <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 01/10/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
e* nzene*	<0.050		01/10/2023	ND					• • •
nzene*		0.050		ND	2.02	101	2.00	1.65	
		0.050	01/10/2023	ND	2.17	108	2.00	0.187	
vlenes*	< 0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
yicrics	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
TEX	<0.300	0.300	01/10/2023	ND					
ute: 4-Bromofluorobenzene (P	ID 125 %	6 71.5-13	4						
e, SM4500Cl-B	mg/l	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
de	5040	16.0	01/11/2023	ND	400	100	400	3.92	
15M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
5-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
C10-C28*	10.9	10.0	01/10/2023	ND	216	108	200	1.52	
:O >C28-C36	<10.0	10.0	01/10/2023	ND					
ate: 1-Chlorooctane	84.8 %	% 48.2-13	4						
	86.2 %	% 49.1-14	8						
	84.8 %	% 48.2-13	4	ND					

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (3-4') (H230115-13)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	83.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.2	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (6-7') (H230115-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	1070	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	96.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (8-9') (H230115-15)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	352	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	98.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 19 (9-10') (H230115-16)

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	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 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	288	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.8	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (0-1') (H230115-17)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	3480	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	118	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	47.6	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (3-4') (H230115-18)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	1380	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (6-7') (H230115-19)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	672	16.0	01/11/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 20 (7-8') (H230115-20)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	400	16.0	01/11/2023	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	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.7	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 20 (9-10') (H230115-21)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	240	16.0	01/11/2023	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	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (0-1') (H230115-22)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 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	2560	16.0	01/11/2023	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	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.8	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (2-3') (H230115-23)

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	01/10/2023	ND	2.02	101	2.00	1.65	
Toluene*	<0.050	0.050	01/10/2023	ND	2.17	108	2.00	0.187	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.11	106	2.00	0.00705	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.58	110	6.00	1.05	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122 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	1680	16.0	01/11/2023	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	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	87.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.8	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (3-4') (H230115-24)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/11/2023	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	01/10/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.0	% 49.1-14	8						

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 11 (4-5') (H230115-25)

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	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 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	464	16.0	01/11/2023	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	01/11/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (0-1') (H230115-26)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	01/11/2023	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	01/11/2023	ND	202	101	200	1.83	
DRO >C10-C28*	29.4	10.0	01/11/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	70.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.0	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (4-5') (H230115-27)

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	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	1600	16.0	01/11/2023	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	01/11/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	74.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 15 (6-7') (H230115-28)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	688	16.0	01/11/2023	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	01/11/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	82.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.8	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 15 (7-8') (H230115-29)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	202	101	200	1.83	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	216	108	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.0	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/09/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 15 (9-10') (H230115-30)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	190	94.8	200	3.15	QR-03
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	QR-03
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (0-1') (H230115-31)

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	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2120	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	54.8	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	25.8	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	58.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.2	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 14 (4-5') (H230115-32)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	720	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (6-7') (H230115-33)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	78.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (7-8') (H230115-34)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	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	1680	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	77.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.4	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 14 (9-10') (H230115-35)

BTEX 8021B

	<u> </u>			· , · ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	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	1310	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 14 (14-15') (H230115-36)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5680	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.1	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 14 (19-20') (H230115-37)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	3120	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	87.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.7	% 49.1-14	8						

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# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (24-25') (H230115-38)

BTEX 8021B

DIEX GOZID	11197	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	1570	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.5	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (29-30') (H230115-39)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/10/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	59.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.0	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (34-35') (H230115-40)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/11/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	01/11/2023	ND	432	108	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	63.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.6	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (39-40') (H230115-41)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/11/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/11/2023	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	704	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	54.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	59.8	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (44-45') (H230115-42)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/11/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	01/11/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	73.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.3	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (0-1') (H230115-43)

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	01/11/2023	ND	2.13	106	2.00	2.08	
Toluene*	<0.050	0.050	01/11/2023	ND	2.16	108	2.00	3.57	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	3.27	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.46	108	6.00	2.71	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	2760	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	26.9	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	65.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (3-4') (H230115-44)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	1300	16.0	01/11/2023	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	01/10/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (4-5') (H230115-45)

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	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	6 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	1020	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	72.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.3	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (6-7') (H230115-46)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 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	1330	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	70.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.8	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (9-10') (H230115-47)

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	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 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	1710	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	49.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	53.4	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (14-15') (H230115-48)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	5280	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	99.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (19-20') (H230115-49)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	1840	16.0	01/11/2023	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	01/11/2023	ND	190	94.8	200	3.15	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	186	93.1	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (24-25') (H230115-50)

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	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.4	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (29-30') (H230115-51)

BTEX 8021B

	<u> </u>			. , . ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	01/11/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.3	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 13 (34-35') (H230115-52)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	720	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	85.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 13 (39-40') (H230115-53)

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	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	93.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.1	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil Project Name: BIG GEORGE STATE #3 RELEASE

Fax To:

Sampling Condition: Cool & Intact Project Number: Shalyn Rodriguez 212C -MD - 02933, TASK 110 Sample Received By:

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (0-1') (H230115-54)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	32.0	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (2-3') (H230115-55)

BTEX 8021B

DILX OUZID	mg/	ng .	Allulyzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 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	256	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.4	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (3-4') (H230115-56)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/10/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/10/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/10/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	01/11/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	74.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.5	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (4-5') (H230115-57)

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	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	6 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	688	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	22.1	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	72.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.4	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (6-7') (H230115-58)

BTEX 8021B

DILX OUZID	ilig/	9	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	288	16.0	01/11/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	2250	50.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	660	50.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	88.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	182	% 49.1-14	8						

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01/10/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 (7-8') (H230115-59)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	272	16.0	01/11/2023	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	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	638	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	201	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	75.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (0-1') (H230115-60)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	384	16.0	01/11/2023	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	01/10/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	75.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.4	% 49.1-14	8						

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Celeg D. Freene



01/10/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (2-3') (H230115-61)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	448	16.0	01/11/2023	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	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (3-4') (H230115-62)

BTEX 8021B

	9,	9	7	= 7. 5,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	336	16.0	01/11/2023	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	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (4-5') (H230115-63)

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	01/11/2023	ND	1.95	97.5	2.00	6.57	
Toluene*	<0.050	0.050	01/11/2023	ND	2.04	102	2.00	4.49	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.67	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.30	105	6.00	6.85	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 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	304	16.0	01/11/2023	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	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (6-7') (H230115-64)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 16 (7-8') (H230115-65)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	206	103	200	0.695	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	199	99.4	200	0.444	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.3	% 49.1-14	8						

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### **Notes and Definitions**

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

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

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ther:				1	Iton Bickerstaff	of us related to the performance of se	Cardinal's lability and client's exclusive te liable for incidental or consequent	BH-18 (8-97)	BH-18 (7-8")	BH-18 (4-5')	BH-18 (0-1")	BH-17 (14-15')	BH-17 (9-10')	BH-17 (7-8')	BH-17 (6-7')	BH-17 (3-4")	BH-17 (0-1')		Sample I.D.	n Bickerstan	Project Location: Eddy County, Non moximo	County New Mexico	Project Name: Big George State #3 Release	212C-MD-02933, Task 110 Project Owner:	(512)565-0190 Fax #:	s	Address: 8911 Capital o Texas Hwy, Suite 2310	stian Liuil		(575) 393-2326
Offected Jemp.	Observed Temp. °C	Time:	Date:	Time: 1 2U	Date: 1/10/23	vices hersunder by Cardinal, re	's pribate some) for any disministry electron based in contact or lock, shall be locked to the amount paid by the clock for the analyses. All as readpareds damages, lockeding without limitation, business interruptions, lass of use, or loss of profits excursed by plant, its subvisibulies.																	Project Owner:	*	State: TX Zip: 78750	310			(575) 393-2326 FAX (575) 393-2476
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### Company Name: Tetra Tech Lab I.D. Project Name: Big George State #3 Release hone #: Address: 8911 Capital o Texas Hwy, Suite 2310 roject Manager: Christian Llull M30115 Sampler Name: Colton Bickerstaff roject Location: Eddy County, New Mexico roject #: Dolivered By: (Circle One) Sampler - UPS - Bus - Other: Relinquished By: ished By: Colton Bickerstaff ORM-006 R 3.2 10/07/21 212C-MD-02933, Task 110 Project Owner: (512)565-0190 BH-19 (0-1') BH-18 (9-10') BH-20 (7-8') BH-20 (3-4') BH-20 (0-1') BH-19 (6-7") BH-19 (3-4") BH-20 (6-7') BH-19 (9-10') BH-19 (8-9') 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Sample I.D. Fax #: State: Observed Temp. \*C Corrected Temp. \*C † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com Date: 1/10/23 × Zip: 78750 W i (G)RAB OR (C)OMP G G G G 9 G G 9 G 9 ConocoPhillips Sample Condition Cool Intact D va. D va. MATRIX SLUDGE P.O. #: OTHER Fax #: State: City: Phone #: Attn: Christian Llull Company: Tetra Tech Address: EMAIL ACID/BASE: CHECKED BY: (Initials) BILL Zip: 1/9/2023 the analyses. All clair faint, its subsidiaries. 1/9/2023 1/9/2023 1/9/2023 1/9/2023 1/9/2023 1/9/2023 1/9/2023 1/9/2023 70 DATE SAMPLING Verbal Result: ☐ Yes ☐ No Add'l Phone & REMARKS: TIME **TPH 8015M** Cool Intact ×× × × BTEX 8021B × × × Chloride SM4500CI-B ANALYSIS REQUEST O No O No



Company Name: Tetra Tech	Project Manager: Christian Llull	ddress: 8911 Ca	City: Austin	Phone #:	Project #:	roject Name: Big	roject Location:	ampler Name: C	ampier Name.	ab I.D.	71000	CILLO	2	00	Bull	7	200	200	200	2	3	*LEASE NOTE: "Closiny and i service. In no event shall O efficies or successors arisis			Relinquished By	Relinquished By Relinquished By	Relinquished By:  Relinquished By:
	Christian Llull	Address: 8911 Capital o Texas Hwy, Suite 2310		(512)565-0190 F	212C-MD-02933, Task 110 Project Owner:	Project Name: Big George State #3 Release	Project Location: Eddy County, New Mexico	olton Bickerstaff	Sampler Name: Colton Dickersum		Sample I.D.	(/O 10/ OC UG	DIL 11 (0 15)	BH-11 (2-3)	BH-11 (3-4")	BH-11 (4-5")	BH-15 (0-1")	RH-15 (4-5")	BH-15 (6-7')	BH-15 (7-8')	BH-15 (9-10')	PLEASE NOTE: Takeny and Demogra. Continuts Hoolily and client's or service. In no event shall Cavelings be liable for incidental or consen- sfillates or successors arising out of or related to the performance		Relinquished By: Colton Bickerstaff			Delivered By: (Circle One) Sampler - UPS - Bus - Other:
(575) 393-2326 FAX (575) 393-2476		e 2310	. TX	Fax #:	110 Project Owner:	ase	xico				P											daksa energi to ary dan mintoy arkate issaed n ootsist ii tiid, selab kirisaba ta earnob jaat iy re cincil oo e geend da magat, hobiday arkate iintaksa kuubess kirimpiani, kesi af dan, a kan afrajib barraskiy dani, ib sobdadajis geenda magat, hobiday afkate liimbiban kuubess kirimpiani, kesi af dan, a kan afrajiban kutined sesona orobenika geenken herendar by Caudhal, reparillass af whether such daim is based epon any of the above shake assona orobenika.	D-1-4/40/93	Time: Il 24	Date:	Time:	Observed Temp. *C Corrected Temp. *C
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Company Name: Tetra Tech Project Manager: Christian Llull	etra Tech Christian Llull			P.O. #:	P.O. #: Company: Tetra Tech			200
Address: 8911 Ca	Address: 8911 Capital o Texas Hwy, Suite 2310			Attn: Christian Llull	stian Liuli			
Phone #:	(512)565-0190 Fax #:			Address: EMAIL	EMAIL			
Project #:	3, Tas	roject Owner:	ConocoPhillips	_				
Project Name: Big	Project Name: Big George State #3 Release			State:	Zip:			
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Compres seminar			MATRIX	X PRESERV.	W. SAMPLING	JG	_	
Lab I.D.	Sample I.D.	RAB OR (C)OMP.	ONTAINERS  DUNDWATER  STEWATER  L	JDGE HER :		PH 8015M		TEX 8021B
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01 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476  Liuli  State: TX Zip: 78750  State: TX Zip: 78750  ConocoPhillips  State #3 Release  Inty, New Mexico  cerstaff  MATRIX  A44-45')  G I I X X (10 Project Owner: ConocoPhillips  G I I X X (10 Project Owner: ConocoPhillips  AB D X X I STATE ART AND ART	### Description of the project Owner:    Company: Tetra Tetr	### BILL    1575) 393-2326 FAX (575) 393-2475	BILL TO	BILL TO   BILL TO   BILL TO   BILL TO   BILL TO	BILL TO	BILL TO   ANALYSIS	C    BH-13 (4-5')	44 BH-1: 44 BH-1: 44 BH-1: 44 BH-1: 44 BH-1: 45 BH-1: 46 BH-1: 48	44 BH-11 45 BH-11 46 BH-11 46 BH-11 47 BH-11 48	44 BH-11 44 BH-11 44 BH-11 44 BH-11 45 BH-11 48 BH-11 49 BH-11 40	1 HB H-11 HB HB-11 HB H-11 HB HB-11 HB HB-11 HB HB-11 HB HB-11 HB HB-11 HB HB-11 HB-										12 BH-14		V	Cab I.D.	Sampler Name: Colton Bickerstaff	oject Location: Eddy C	ofoct issues or a comp	niect Name: Big George		Phone #: (512)565-0190	City: Austin	Idress: 8911 Capital o T	Project Manager: Christian Llull	Company Name: Tetra Tech	
G G (G)RAB OR (C)OMP.	## ConnocoPhillips City:    ConnocoPhillips City:   Fax#:   Proserv.	### Preserv. Sampung  G 1 1 X V V1002023  ################################	### PATENT   PRESERV.   SAMPLING   P.O. #:    Company: Tetra Tech   Address: EMAIL	## PRESERV. SAMPUNG    Container   Contain	## PRESERV. SAMPUNG    THE STATE   SAMPUNG   SAMPUNG   STATE   SAMPUNG	## ANALYSIS  ### ACID/BASE:    Concoord   Concoord	to enclusive recently (in an consequently described in the consequ	2 2 2	2000	\$ (0-17) \$ (0-17) \$ (3-4') \$ (3-4') \$ (4-5') \$ (4-5') \$ (9-10') \$ (9-10') \$ (14-15') \$ (14-15') \$ (14-15') \$ (14-25') \$ (24-25') \$ (24-25	(4-5) (4-5) (4-5) (4-5) (4-5) (4-10) (4-15) (4-	(0-17) (0-17) (0-17) (1-4-5) (1-4-5) (1-4-15) (1-1-17) (1-1-17) (1-1-17) (1-1-17) (1-1-17) (1-1-17) (1-1-17) (1-1	(4-15) (6-17) (3-45) (4-5) (4-5) (4-15) (4-15) (4-15) (4-15)	(C+5) (C+1) (C+1) (C+2) (C+2) (C+2) (C+2) (C+2) (C+2) (C+2) (C+3) (C+3)	(G-1) (G-1) (G-4) (G-7) (G-7)	(G-1') (G-1') (G-4') (G-7')	(0-1) 3 (0-1) 3 (3-4) 3 (4-5)	3(0-1")	3 (0-1")	(1111)	(44-45)	(39-40')	Sample I.D.		ckerstaff	ounty, New Mexico	No. Maria	State #3 Release	D-02933, Task 110 Project O		"	exas Hwy, Suite 2310	n Llull		(575) 393-2326 FAX (575)
GROUNDWATER  WASTEWATER  WASTEWATER  MATRIX  OIL  SLUDGE	P.O. #:  Company: Tetra Te  Attn: Christian Llui  Address: EMAIL  Address: EMAIL  Company: Tetra Te  Attn: Christian Llui  Address: EMAIL  Address: EMAIL  Fax #:  PRESERV.  PRESERV.  VX UCL / COOL  OTHER:  XX UCL / COOL	P.O. #:  Company: Tetra Tech  Attn: Christian Lluli  Address: EMAIL  ConnocoPhillips City:  State: Zip:  Phone #:  PRESERV. SAMPLIN  PRESERV. SAMPLIN  OIL GOTHER:  ACID/BASSE:  OTHER:  X VINDUMANTE  X VINDUMANTE  X VINDUMANTE  ACID/BASSE:	P.O. #:  Company: Tetra Tech  Attn: Christian Llull  Address: EMAIL  Address: EMAIL  Fax #:  PRESERV. SAMPUNG  ATTHER: ACID/BBCOOL:  JUNDO0233  X JUNDO0233  X X JUNDO0233  X X X JUNDO0233  X X X X X X X X X X X X X X X X X X	GROUNDWATER WASTEWATER FAX #: FAX #: FAX #: PRESERV. SAMPLING ACID/BASE: ACID	GROUNDWATER  WASTEWATER  WASTEWATER  WASTEWATER  WASTEWATER  WASTEWATER  ACIDIBASE:  ACIDI	GROUNDWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER SOIL OTHER: ACID/BASE: Phone #: PRESERV. SAMPUNG ACID/BASE: ACID/	G G G G G G G G G G G G G G G G G G G	G G G G G G G G G G G G G G G G G G G	G G G G G G G G G G G G G G G G G G G	G G G G G G G G G G G G G G G G G G G	O O Oceania Program Pr	0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0	0 0 0 0	ଦ ଦ ଦ ଦ	ଦ ଦ ଦ	G G	G		G	G		MP.					wner:		Zip: 78750				393-2476
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January 11, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/10/23 16:24.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 3 (0-1) (H230121-01)

BTEX 8021B

DILX 6021D	ilig	/ Ng	Allalyze	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	01/11/2023	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	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	85.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 3 (2-3) (H230121-02)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	01/11/2023	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	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	89.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 3 (3-4) (H230121-03)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	89.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 3 (4-5) (H230121-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	92.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 3 (6-7) (H230121-05)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 3 (8-9) (H230121-06)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Celey D. Kune



# Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 4 (0-1) (H230121-07)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	816	16.0	01/11/2023	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	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	35.4	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	97.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112 9	% 49.1-14	8						

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Celeg D. Freene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 4 (2-3) (H230121-08)

BTEX 8021B

	9/	9	7.1.4.7.2	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 4 (3-4) (H230121-09)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 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	01/11/2023	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	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	135	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 4 (4-5) (H230121-10)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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01/10/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 4 (6-7) (H230121-11)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.89	94.4	2.00	9.15	
Toluene*	<0.050	0.050	01/11/2023	ND	2.09	105	2.00	8.42	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.05	102	2.00	8.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.31	105	6.00	8.20	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 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	32.0	16.0	01/11/2023	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	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	83.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.6	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (0-1) (H230121-12)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	79.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.3	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (2-3) (H230121-13)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	82.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.0	% 49.1-14	8						

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01/10/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date:

Fax To:

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (3-4) (H230121-14)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	111 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	124	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (4-5) (H230121-15)

BTEX 8021B

	<u> </u>			. , . ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	88.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (6-7) (H230121-16)

BTEX 8021B

	<u> </u>			· , - ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keens



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 5 (8-9) (H230121-17)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (0-1) (H230121-18)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	640	16.0	01/11/2023	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	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	82.8	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	14.9	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	93.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (2-3) (H230121-19)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (3-4) (H230121-20)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	204	102	200	1.24	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	191	95.4	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (4-5) (H230121-21)

BTEX 8021B

	<u> </u>			. , . ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/10/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/10/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (6-7) (H230121-22)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	98.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (8-9) (H230121-23)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	93.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 6 (14-15) (H230121-24)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (0-1) (H230121-28)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	80.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.6	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (2-3) (H230121-29)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (3-4) (H230121-30)

BTEX 8021B

	9,	9	7	= 7. 5,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 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	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	87.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.0	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (4-5) (H230121-31)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	79.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.0	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (7-8) (H230121-32)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 10 (9-10) (H230121-33)

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	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 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	16.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 9	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 21 (0-1) (H230121-34)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	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	240	16.0	01/11/2023	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*	<50.0	50.0	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	3400	50.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	641	50.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

#### Sample ID: BH - 21 (2-3) (H230121-35)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	< 0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 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	128	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	34.6	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	89.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: Shalyn Rodriguez 212C -MD - 02933, TASK 110

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 21 (3-4) (H230121-36)

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	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	< 0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 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	64.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	13.5	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 21 (4-5) (H230121-37)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	11.7	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: Sampling Type: Soil 01/11/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Sample Received By: Project Number: 212C -MD - 02933, TASK 110 Shalyn Rodriguez

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 21 (6-7) (H230121-38)

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	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	137	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	13.9	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109 9	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 21 (8-9) (H230121-39)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	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	32.0	16.0	01/11/2023	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	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	346	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	43.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

## Sample ID: BH - 21 (14-15) (H230121-40)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	D 108 % 71.5-13  mg/kg  Result Reporting Limit		4						
Chloride, SM4500CI-B	mg/kg  Result Reporting Limit		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	201	100	200	1.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	211	106	200	1.47	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	84.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 22 (0-1) (H230121-41)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID			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	5600	16.0	01/11/2023	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	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	171	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36	36.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 22 (2-3) (H230121-42)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	29.2	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 22 (3-4) (H230121-43)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.97	98.5	2.00	11.8	
Toluene*	<0.050	0.050	01/11/2023	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	10.5	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.17	103	6.00	10.1	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	mg/kg		4						
Chloride, SM4500CI-B	mg/kg  Result Reporting Limi			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/11/2023	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	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36	<10.0 10.0 <10.0 10.0		01/11/2023	ND					
Surrogate: 1-Chlorooctane	75.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.5	% 49.1-14	8						

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 22 (6-7) (H230121-44)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	mg/kg		4						
Chloride, SM4500CI-B	mg/kg  Result Reporting Lin		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/11/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36	<10.0 10.0 <10.0 10.0		01/11/2023	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 22 (8-9) (H230121-45)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	mg/kg		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	64.0	16.0	01/11/2023	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	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36	<10.0 10.0 <10.0 10.0		01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Received: 01/10/2023 Sampling Date: 01/10/2023

Reported: 01/11/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Shalyn Rodriguez

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

## Sample ID: BH - 22 (14-15) (H230121-46)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.98	98.9	2.00	7.29	
Toluene*	<0.050	0.050	01/11/2023	ND	2.03	102	2.00	6.53	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.01	100	2.00	7.48	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.21	103	6.00	7.56	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	OCI-B mg/kg		4						
Chloride, SM4500CI-B	CI-B mg/kg te Result Reporting Lir			d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	Result Reporting Li		01/11/2023	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	01/11/2023	ND	181	90.3	200	8.37	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	175	87.7	200	9.98	
EXT DRO >C28-C36			01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.9	% 49.1-14	8						

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## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Celeg D. Freene



(5) Company Name: Tetra Tech Project Manager: Christian Llull Address: 8911 Capital o Texas I City: Austin (512)565-019		(575) 393-2326 FAX (5/5) 393-2476  III  State: TX Zip: 78750  Fax #:		O carco Philli	P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL City:	AAII	Tech	a Tech	Tech
Project #:	Project #: 212C-MD-02933, Task 110 Project Owner: Project Name: Big George State #3 Release	Project Owner:		ConocoPhillips	-	State:	ate: Zip:		
Project Location:	Project Name: Dig George County, New Mexico				Phone #:	#	#	**	**
Sampler Name: C	Sampler Name: Colton Bickerstaff				Fax#:	1000	1	1	1
ab I.D.	ORGIN CIONE		IP.	MATRIX	PRE	SERN	PRESERV. SAMPL	SERV. SAMPLING	SAMPLING 5M
Lab I.D.	Sample I.D.		CONTAINERS	ROUNDWATER  WASTEWATER  OIL	THER:	CE / COOL	DATE	OTHER:	DATE
120131			- #	×	O	×	1/	1/10/2023	1/10/2023 X
-	BH-3 (0-1)		2 2	×	X	$\overline{}$	_		1/10/2023 X
0-	BH-3 (2-3)		6 -	×	X	_	1/10/2023		V10/2023 X
W.	BH-3 (3-4)		G 1	X	×				
(+	BH-3 (6-7)		G 1	×	×		1/10/2025	1/10/2023	V
5	RH-3 (8-9)		G 1	×	×				V102023
16	BH4 (0-1)		G 1	X	×		1/10/2023	1/10/2023	V ×
2	BH-4 (2-3)		G 1	×	×		CTREACH	17004023	×
0	BH-4 (3-4)			d ×	x >		1/10/2023	1/10/2023	
d)	BH-4 (4-5)	and the metal of forms	based in cortract	or tort, shall be limited to the se of use, or loss of profits	ere based in cortiset or tex, shall be limited to the amount paid by the clied for the a- most intermedians, lose of task, or lose of profits incurred by client, its subjuditaria		to the analyses. All clain dysidianies,	100	the analyses. All claims including these for negligence and any one subaries,
event shall (Cardinal be Sa affiliates or successors ar	and the	es hereunder by Cardinal, rep	rdiess of whether	r such claim is based up	On any on the motion of the UD				
Relinquished E	Relinquished By: Colton Bickerstaff	Date: 1/10/23	Received By:	A By	D. M.		20		
1	M	h との i auni		mi	ny	10	3	REMARKS:	All Results are emailed. Please provide Email advisors
Relinquished By:	ву:		Received By:	ad By:			and the second	Turnaround	All Results are emailed. REMARKS:
Delivered By: (Circle One)		Time:	29.	Sample Condition	ion	C	(Initials)	-	



2   BH-5 (0-1)     3   BH-5 (2-3)     4   BH-5 (3-4)     5   BH-5 (4-5)     6   BH-5 (8-9)     7   BH-6 (0-1)     8   BH-6 (0-1)     9   BH-6 (2-3)     10   BH-6 (2-3)     11   BH-6 (2-3)     12   BH-6 (2-3)     13   BH-6 (2-3)     14   BH-6 (2-3)     15   BH-6 (2-3)     16   BH-6 (2-3)     17   BH-6 (2-3)     18   BH-6 (2-3)     19   BH-6 (2-3)     19   BH-6 (2-3)     10   BH-6 (2-3)     10   BH-6 (2-3)     10   BH-6 (2-3)     11   BH-6 (2-3)     12   BH-6 (2-3)     13   BH-6 (2-3)     14   BH-6 (2-3)     15   BH-6 (2-3)     16   BH-6 (2-3)     17   BH-6 (2-3)     18   BH-6 (2-3)     19   BH-6 (2-3)     10   BH-6 (2	2   BH-5 (0-1     3   BH-5 (2-3     4   BH-5 (3-4     5   BH-5 (4-1     6   BH-5 (4-1     7   BH-5 (8-1     8   BH-6 (0-1     9   BH-6 (	3   BH-5 (0-1     3   BH-5 (2-3     4   BH-5 (3-4     5   BH-5 (4-4     6   BH-5 (6-4     7   BH-5 (8-4     8   BH-5 (8-4     9   BH-6 (9-4     9   BH-6 (	3   BH-5 (0-1	3 BH-5 (0-1 3 BH-5 (2-3 4 BH-5 (3-4 5 BH-5 (4-4 6 BH-5 (6-4 6 BH-5 (8-4 6 BH-6 (0-4 7 BH-6	3 BH-5 (0-1 3 BH-5 (2-2 4 BH-5 (3-4 5 BH-5 (4-4 6 BH-5 (6-4 6 BH-5 (8-4 6 BH-6 (0-4 7 BH-6	3   BH-5 (0-1     3   BH-5 (2-3     4   BH-5 (3-4     5   BH-5 (4-4     6   BH-5 (4-4     7   BH-5 (6-4     8   BH-5 (8-4     9   BH-6 (10-4     9   BH-6 (10-4	3 BH-5 (0-1 3 BH-5 (2-3 14 BH-5 (3-1 5 BH-5 (4-1 6 BH-5 (6-1 6 BH-5 (8-1 8 BH-6 (0-1) 8 BH-6 (0-1) 8 BH-6 (2-1) 8 BH-6 (3-1) 8 BH-6 (3-1)	3 BH-5 (0-1 3 BH-5 (2-3 14 BH-5 (3-1 5 BH-5 (4-1 6 BH-5 (6-1 6 BH-6 (0-1) 6 BH-6 (0-1) 7 BH-6 (2-1)	De Carrier	d. enterno	· POLITONO					~		BH-4 (6-/)	1920191	City: Austin  Phone #: (512)565-0190  Fax #  Project #: 212C-MD-02933, Task 110  Project Name: Big George State #3 Refease  Project Location: Eddy County, New Mexico  Sampler Name: Colton Bickerstaff  FOR LAUSE CALV  Lab I.D.  Sample I.D.  Sample I.D.	Project Manager: Christian Liuii Address: 8911 Capital o Texas Hwy, Suite 2310	Company Name: Tetra Tech	1	10:
BH-4 (6-7)	(CKejstaff    Date: 11002   Time:   Co.	1)  (b)  (c)  (c)  (c)  (c)  (c)  (c)  (c	1)  (1) (2) (3) (3) (4) (4) (5) (5) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	(1)     (1)     (2)     (3)     (3)     (3)     (3)     (3)     (3)     (3)     (4)     (	)) )) )) )) )) )) )) )) )) )) )) )) ))	)) )) )) )) )) )) )) )) )) )) )) )) ))	(1) (1) (1) (1) (1) (2) (3) (3) (4) (4) (4) (4) (4) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	99	5)	) () () () () () () () () () () () () ()	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c	9)	5)	900			)			#: #:  project Ov	Hwy, Suite 2310		(575) 393-2326 FAX (5/5) 393-24/6	101 East Marland, Hobbs, NM 88240
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,	2 8	naround Time: Standard		REMARKS:		Verbal Result: Li res Circ Verbal Results are emailed. Please provide Email address:				+	X	XX	XX	×	t	+	+	+	+	TPH 8015M				
	Observed Temp. "C	Bacteria (orby) San				Please provide Emai	O No		and any other cause whetsoever shall be do	XX	XX	×	×	+	+	+	+	+	+	SMASONCI P			ANALYSIS	
□ Yes□ Yes		ly) Sample Condition				il address:	Add'l Phone #:		e dammed vasked unless made in witing and receives by Common or														REQUEST	TOLLECT
										Cardinal within 30 days after or	1												1	



	(575) 393-2326 FAX (575) 393-2476	BILL TO	ANALYSIS	
Company Name: letta lecil		P.O. #:		
Project Manager: Christian Llull		Company: Tetra Tech		
wy, Suite		Attn: Christian Llull		
	6: 1>	Address: EMAIL		
		Olfo-		
	Project Owner: ConocoPhillips	State: Zip:	В	
ame: Big			1-1	
Toject Name and Orest Maylo	5	Phone #:	oc -	
Project Location: Eddy County, New Mexico	8	Fax#:	500	
Sampler Name: Colton Bickerstaff	Aldavin	PRESERV. SAMPLING		
ON THE OWN	MAINIX	+	M 21B	
Lab I.D. Sample I.D.	)RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER OIL IL LUDGE	OTHER: CID/BASE: CE / COOL OTHER:	TPH 8015M BTEX 8021 Chloride S	
HB30/al BH6 (4-5)	1 # G X	(X	X X X X	
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BH-10 (3-4)  BH-10 (3-4)	BH-10 (3-4)  BH-10	alyses. All claims or otherwise.	including those for negligence and any once washes seement.	
event shall Cardinal be Sable for incidental or consequentia damages, resource y an additional repairs at liables or successors arising out of or related to the performance of services hersunder by Cardinal, repairs at liables or successors arising out of or related to the performance of services hersunder by Cardinal, repairs	envices hereunder by Cardinal, regardless of whether such claim is based upon any or an environ-			Add'l Phone #:
Relinquished By: Colton Bickerstaff	Date: 1/10/23 Received By:	2005	Please provide	
Relinquished By:	Date: Received By:	C	REMARKS:	
	)	2	Standard	e Condition
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Conrected Temp. 'C 3, 9, Cool Induction  3-5, 1		Thermometer ID #113 Correction Factor-403°C - O. (0 C	□ Ves□ Ves □ No □ No Consciss Temp. 'C



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l P	Relinquished By: Colton Bipherstoff  Date: 1/10/23  Received By:	BH-22 (14-15)	BH-22 (8-9)	BH-22 (6-7)	BH-22 (3-4)	BH-22 (2-3)	BH-22 (0-1)		Sample I.D.	Iton Bickerstall	Project Location: Eddy County, New House	Project Name: Big George State #3 Keleuse	12C-MD-02233, ruon	Tas	(512)565-0190 Fax #:	State:	al o Texas Hwy, Suite 2310	ristian Liuli			101 East Marland,
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REMARKS: Turnascard Tires: Plant Thermometer ID Correction Fact	All Results are emailed. Please provide Emailed.		×	X	×	X	X	×	TIME	SAMPLING											1898
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January 12, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/23 11:52.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 1 (0-1') (H230145-01)

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	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124 9	% 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	80.0	16.0	01/12/2023	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	01/11/2023	ND	172	85.8	200	7.56	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	172	85.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 2 (0-1') (H230145-02)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	172	85.8	200	7.56	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	172	85.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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Celey D. Keine



## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To:

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: Sampling Type: Soil 01/12/2023

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 3 (0-1') (H230145-03)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
<0.300	0.300	01/11/2023	ND					
124 9	% 71.5-13	4						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	01/12/2023	ND	432	108	400	3.64	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/11/2023	ND	172	85.8	200	7.56	
<10.0	10.0	01/11/2023	ND	172	85.9	200	10.8	
<10.0	10.0	01/11/2023	ND					
90.3	% 48.2-13	4						
103 9	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  124 9 mg/ Result <16.0 mg/ Result <10.0 <10.0 <90.3 9	<0.050 <0.050 <0.050 <0.050 <0.050 <0.150 <0.300 0.300 124 % 71.5-13 mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <16.0 10.0 <10.0 10.0 <10.0 <10.0 48.2-13	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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Celey D. Keine



## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: Sampling Type: 01/12/2023 Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 4 (0-1') (H230145-04)

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	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/12/2023	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	01/11/2023	ND	172	85.8	200	7.56	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	172	85.9	200	10.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 5 ( 0-1' ) (H230145-05)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	32.0	16.0	01/12/2023	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	01/11/2023	ND	193	96.6	200	6.62	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	185	92.6	200	7.76	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.9	% 49.1-14	8						

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - LEA COUNTY, NEW MEXICO

### Sample ID: AH - 6 (0-1') (H230145-06)

BTEX 8021B

DILX GOZID	ilig/	, kg	Andryzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	96.0	16.0	01/12/2023	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	01/11/2023	ND	193	96.6	200	6.62	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	185	92.6	200	7.76	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	89.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.4	% 49.1-14	8						

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Celey D. Keens



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA COUNTY, NEW MEXICO

## Sample ID: AH - 7 (0-1') (H230145-07)

RTFY 8021R

BIEX 8021B	mg	/ Kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (Pl	D 124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	193	96.6	200	6.62	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	185	92.6	200	7.76	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						
0								_	

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Celey D. Keene



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - LEA COUNTY, NEW MEXICO

### Sample ID: AH - 8 (0-1') (H230145-08)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	320	16.0	01/12/2023	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	01/11/2023	ND	178	88.9	200	7.34	
DRO >C10-C28*	76.2	10.0	01/11/2023	ND	185	92.4	200	8.29	
EXT DRO >C28-C36	20.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	88.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Celey D. Keine



## **Notes and Definitions**

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

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

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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Celeg D. Freene

Hold

Released to Imaging: 6/21/2024 10:37:02 AM



January 12, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/23 11:52.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyand By 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (0-1) (H230146-01)

DTEV 0021D

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	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 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	464	16.0	01/12/2023	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	01/11/2023	ND	178	88.9	200	7.34	
DRO >C10-C28*	893	10.0	01/11/2023	ND	185	92.4	200	8.29	
EXT DRO >C28-C36	273	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (2-3) (H230146-02)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	178	88.9	200	7.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	185	92.4	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	87.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (3-4) (H230146-03)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	178	88.9	200	7.34	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	185	92.4	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Keene



## Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (4-5) (H230146-04)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (6-7) (H230146-05)

RTFY 8021R

2.00 2.00 2.00 2.00 6.00	RPD 0.317 0.420 0.304 0.0492	Qualifier
2.00 2.00	0.420 0.304	
2.00	0.304	
6.00	0.0492	
True Value QC	RPD	Qualifier
400	3.64	
True Value QC	RPD	Qualifier
200	2.87	
200	11.1	
	200	200 2.87

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (8-9) (H230146-06)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-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	01/12/2023	ND	432	108	400	3.64	
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	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (14-15) (H230146-07)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2023	ND	432	108	400	3.64	
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	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (19-20) (H230146-08)

BTEX 8021B

	9/	9	7111411720	7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/12/2023	ND	432	108	400	3.64	
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	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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## Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 1 (24-25) (H230146-09)

BTEX 8021B	mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS G	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	< 0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 %	6 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	80.0	16.0	01/12/2023	ND	432	108	400	3.64	
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	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	92.8 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106 %	6 49.1-14	8						

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## Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 2 (0-1) (H230146-10)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	125	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/12/2023	ND	432	108	400	3.64	
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	01/11/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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01/11/2023

## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date:

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

## Sample ID: BH - 2 (2-3) (H230146-11)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/12/2023	ND	432	108	400	3.64	
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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (3-4) (H230146-12)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	1.99	99.3	2.00	0.317	
Toluene*	<0.050	0.050	01/11/2023	ND	2.17	108	2.00	0.420	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.12	106	2.00	0.304	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.61	110	6.00	0.0492	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/12/2023	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	91.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (4-5) (H230146-13)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	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	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	92.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (6-7) (H230146-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	89.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (8-9) (H230146-15)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	112	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (14-15) (H230146-16)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (19-20) (H230146-17)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	32.0	16.0	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 2 (24-25) (H230146-18)

BTEX 8021B

DIEX GOZID	ıııg,	K9	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	97.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (0-1) (H230146-19)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 511/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	80.0	16.0	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	97.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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01/11/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date:

Fax To:

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (2-3) (H230146-20)

RTFY 8021R

B1EX 8021B	mg/	кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	208	16.0	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	87.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (3-4) (H230146-21)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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01/11/2023

### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date:

Fax To:

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (4-5) (H230146-22)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	88.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keens



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (6-7) (H230146-23)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	80.0	16.0	01/12/2023	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	01/12/2023	ND	184	92.1	200	2.87	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	180	90.0	200	11.1	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (8-9) (H230146-24)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 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	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	88.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (14-15) (H230146-25)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	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	128	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	93.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey & Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (19-20) (H230146-26)

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	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 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	304	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	94.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (24-25) (H230146-27)

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	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	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	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 7 (29-30) (H230146-28)

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	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	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	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	93.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (0-1) (H230146-29)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	132	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	73.5	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	113	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzed By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (2-3) (H230146-30)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	128	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	10.7	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	11.4	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (3-4) (H230146-31)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	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	80.0	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (4-5) (H230146-32)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.11	106	2.00	1.63	
Toluene*	<0.050	0.050	01/11/2023	ND	2.20	110	2.00	0.172	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.21	111	2.00	1.39	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.67	111	6.00	2.35	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 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	80.0	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	87.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (6-7) (H230146-33)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 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	64.0	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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### Analytical Results For:

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

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (8-9) (H230146-34)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/12/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Celey D. Keens



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (14-15) (H230146-35)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/12/2023	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	01/11/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	90.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.2	% 49.1-14	8						

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Celey D. Keine



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023 Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Tamara Oldaker 212C -MD - 02933, TASK 110 Sample Received By:

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (19-20) (H230146-36)

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	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	91.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100 %	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: 212C -MD - 02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 8 (24-25) (H230146-37)

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	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	86.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes) Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (0-1) (H230146-38)

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	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	168	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	27.3	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	93.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (2-3) (H230146-39)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300 0.300		01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>176</b> 16.0		01/12/2023	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (3-4) (H230146-40)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	117	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>32.0</b> 16.0		01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	92.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (4-5) (H230146-41)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	112 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	122	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (6-7) (H230146-42)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300 0.300		01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	116	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>32.0</b> 16.0		01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	91.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)
Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 9 (8-9) (H230146-43)

BTEX 8021B

	9,	9	7	1 1 ,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2023	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	01/12/2023	ND	197	98.4	200	6.91	
DRO >C10-C28*	<10.0	10.0	01/12/2023	ND	188	94.1	200	15.8	
EXT DRO >C28-C36	<10.0	10.0	01/12/2023	ND					
Surrogate: 1-Chlorooctane	85.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.8	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/11/2023 Sampling Date: 01/11/2023

Reported: 01/12/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: \*\* (See Notes)

Project Number: 212C -MD - 02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 9 (14-15) (H230146-44)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/11/2023	ND	2.06	103	2.00	0.788	
Toluene*	<0.050	0.050	01/11/2023	ND	2.15	107	2.00	1.17	
Ethylbenzene*	<0.050	0.050	01/11/2023	ND	2.15	108	2.00	1.46	
Total Xylenes*	<0.150	0.150	01/11/2023	ND	6.70	112	6.00	2.34	
Total BTEX	<0.300	0.300	01/11/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/12/2023	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/11/2023	ND	181	90.6	200	8.02	
DRO >C10-C28*	<10.0	10.0	01/11/2023	ND	192	96.0	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	01/11/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.7	% 49.1-14	8						

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### **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Relinquished By:	1	Relinquished By: Colton Bickerstaff	PLEASE NOTE: Usitely and Den event shall Cardinal be flable to		9	n	7	6	5	4	i.	1	3	Call to	となった	Cab I.D.	Sampler Name: Colton Bickerstan	oject Location: Ed	oject Name: Big G	Project#: 21	Phone #: (51	City: Austin	dress: 8911 Capita	Project Manager: Christian Llull	Company Name: Tetra Tech		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		1	Colton Bickerstaff	NUMBER HOTE: Liability and Charloth's healthy and driefs exclusion missedy to any claim source present control by control by claims, as a state missed of the country of the above about missed missed in the country of the country of the above about missed missed report shall control for liability to consequential destroyable, including without the processing of the above about missed miss	BH-2 (0-1)	BH-1 (24-25)	BH-1 (19-20)	BH-1 (14-15)	BH-1 (8-9)	BH-1 (6-7)	BH-1 (4-5)	BH-1 (3-4)	BH-1 (2-5)	11 1 (O 1)	RH_1 (0-1)		Sample I.D.	ON BICKEISION	Project Location: Eddy County, New Michigan	Project Name: Big George State #3 Kelease	212C-MD-02933, lask 110 F10J000	(512)363-010-040(516)	7	Address: 8911 Capital o Texas riwy, State	stian Liuli	lecn		101 East Marlan
Observed Temp. *C Corrected Temp. *C		Date: 1152	Date: 1/11/23	e remedy for any cleim arrang where schading without limitation, business en/ces horeunder by Cardinal, reg																	r lojour o	Project Owner:	1	State: TX Zip: 78750	10		(575) 393-2326 FAX (575) 393-2416	101 East Marland, Hobbs, NM 88240
50.5		Rec	Rec	a interruption	G	6	9	2 0	0	2 0	5	G	G	G	G		CONTAINERS	-	1	1		1	1	50	1		0	40
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0 =	D BY:	1	1	distribution.	analyses. All clains	1/11/2023	1/11/2023	V11/2023	1/11/2023	1/11/2023	1/11/2023	1/11/2023	V11/2023	1	/11/2023	/11/2023	DATE	SAMPLING							ch		9	N
Thermometer ID #113 Correction Factor -0.5°C	Turnaround Time	REMARKS:	All Results are emailed.		ms including those for								1				TIME	ING	5									1
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Corrected Temp. 'C				11		81	+	1	1			T	T	T	T													
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						within 30 days, after	-				-	+	+	+	+													
				11		o rage tile		-	-	-	+	+	+	+	+	-												



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Vellidaisina	Relinquished By: Colton Bickerstaff	PLEASE NOTE: Liability and Damages. C event shall Cardinal be liable for incide affiliates or successors arraing out of o	20 BH	19 BH	/ S BH-	17 BH-	// BH-	-H8 SI		/3 BH-	12 BH-	// BH-2	1250146		ab I.D.	Sampler Name: Colton Bickerstaff	Project Location: Eddy County, New Mexico	Project Name: Big George State #3 Release		Phone #: (512)565-0190	City: Austin	Address: 8911 Capital o Texas Hwy, Suite 2310	Project Manager: Christian Llull	Company Name: Tetra Tech		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	on Bickerstaff  Date: Time:	yand clarifu exclusion remed usertal damages, including a performance of services in	BH-7 (2-3)	BH-7 (0-1)	BH-2 (24-25)	BH-2 (19-20)	BH-2 (14-15)	BH-2 (8-9)	BH-2 (6-7)	BH-2 (4-5)	BH-2 (3-4)	BH-2 (2-3)		Sample I.D.		ickerstaff	ounty, New Mexico	e State #3 Release	212C-MD-02933, Task 110 Project Owner:	5-0190 Fax#:		lwy, Suite 2310	n Liuil	*	(575) 393-2326 FAX (575) 393-2476	101 East Marland, Hobbs, NM 88240
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harland, 110000, 1111		ANALYSI	S REQUEST
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	Company: Tetra Tech		
	Attn: Christian Llull		
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Clere's exclusive remote to any clean array.  John Special Proceedings without firmblings, business interruptions, base of use, or base of pro- y dearnages, including without firmblings, business interruptions, and control in based up  a manifest hereunder by Cardinal, regardless of whether such claim is based up	1	Verbal Result:    Yes    No	Add'I Phone #:
taff Date: 1/11/23 Received By:	6	All Results are emailed.	
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223	dition CHECKED BY:	God Intact Observe	
	,	mometer ID #1	□ Yes □ Yes □ Spreached Temp. "C
	101 East Marland, Hobbs, NM 88249  (575) 393-2326 FAX (575) 393-2476  Company Name: Tetra Tech  Project Manager: Christian Ltull  Phone #: (512)565-0190 Fax #: ConocoPhillips  Project Location: Eddy County, New Mexico  Project Name: Big George State #3 Release  Project Location: Eddy County, New Mexico  Sampler Name: Colton Bickerstaff  Sampler Name: Colton Bickerstaff  BH-7 (3-4)  BH-7 (3-4)  BH-7 (4-5)  BH-7 (4-5)  BH-7 (19-20)  BH-7 (29-30)  BH-7 (3-4)  BH-7 (3-4	AX (575) 383-2476  AX (575) 383-2476  AX (575) 383-2476  FO. #:  Company: Tetra Tech Company: Tetra Tetra Company: Tetra Tetra Company: Tetra Tetra Company: Tetra Tet	Fax #:   Phone #:



101 East Marland, Hobbs, NM 85240	ODDS, NIM GOLTS	4886 Challe at 11 and 19 (19 (19 )	SISA IVIN	IS REQUEST
(575) 393-2326 FAX (5/5) 393-2410	X (5/5) 393-2410	BILL TO	AMACIO	
ompany Name: Tetra Tech		P.O. #:		
roject Manager: Christian Llull		Company: Tetra Tech		
ddress: 8911 Capital o Texas Hwy, Suite 2310		Attn: Christian Llull		
State:	X Zib: 18130	Address: EMAIL		
hone #: (512)565-0190 Fax #:		city:		
	oject Owner: Conocor marps		В	
ame: Big		Phone #:	CI	
Ject Name. big Cools		Phone #.	000	
Project Location: Eddy County, New Mexico		Fax#:	500	
Sampler Name: Colton Bickerstaff	MATRIX	PRESERV. SAMPLING	В	
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34 BH-8 (8-9)	G 1 X		×	
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36 BH-8 (19-20)	G I X		+	
37 BH-8 (24-25)	-		+	
3XBH-9 (0-1)	G I X	I	×	and an author and maniford by Cardinal within 30 days
27 BH-9 (3-4)	G I X	dyses. All claims	including those for negligence and any other cause whatsoever a	SAME OF COMMUNICATIONS
HEADER HOTE: Littlify and Commands, contracts another remarks remarks are not many trans- HEADER HOTE: Littlify and Commands, contracts another remarks are remarked at the contract of profits including a second remarks of the contract of	ody for any clean aroung arrows and professional formation, business interruptions, loss of use, or loss of professional finitiation, business interruptions, loss of use, or loss of professional finite formation in based upon hereunder by Cardinal, regardless of whether such claim is based upon hereunder by Cardinal, regardless of whether such claim is	oburetes.	hal Result:   Yes   No	Add'l Phone #:
Relinquished By: Colton Bickerstaff	Date: 1/11/23 Received By:		All Results are emailed. Please provide Cris	
Relinquished By:	Date: Received By:	RE	1	A. Sansok Condition
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	Delivered By: (Circle One) Sampler - UPS - Bus - Other:	By:	R	Palinguished By: Colton Bickerstaff	Agusta WOTE: Usbilly and Demayor, Controll's licesting and destric sectionis mirrorally any finance and controlled and the section of the section mirroral and the section of the section					BD-9 (14-15)		BH-9 (0-1)	DIT-7 (4-7)	рн-0 (4-5)		Sample I.D.		Sampler Name: Colton BickerStaff	Project Location: Eddy County, New Mexico	Project Name: Big George State #3 Release	212C-MD-02933, Task 110 Floject Comm.	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suns 2015	hristian Llull	etra Tech	(575) 393-2326	TOT COST WITH TOTAL
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January 17, 2023

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/23 12:14.

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/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 14 (2-3) (H230210-01)

BTEX 8021B

BIEX GOEIB	9/	119	Andryzo	u 5 y : 5 : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	<0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	<0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	QR-03
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 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	800	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 14 (3-4) (H230210-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	<0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	<0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 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	624	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 15 (2-3) (H230210-03)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	<0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	<0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 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	2240	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	20.6	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	81.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.8	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 15 (3-4) (H230210-04)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	<0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	<0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	124	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1620	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	95.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933, TASK 110 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 18 (2-3) (H230210-05)

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	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	< 0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	< 0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	128 %	6 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	3600	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	108 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 %	6 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

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

Received: 01/16/2023 Sampling Date: 01/09/2023

Reported: 01/17/2023 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933, TASK 110 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 18 (3-4) (H230210-06)

BTEX 8021B

	9/	9	71.14.1, = 0						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2023	ND	2.05	102	2.00	5.25	
Toluene*	<0.050	0.050	01/16/2023	ND	2.19	109	2.00	4.29	
Ethylbenzene*	<0.050	0.050	01/16/2023	ND	2.14	107	2.00	5.35	
Total Xylenes*	<0.150	0.150	01/16/2023	ND	6.61	110	6.00	4.99	
Total BTEX	<0.300	0.300	01/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	127	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	01/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/17/2023	ND	201	100	200	7.94	
DRO >C10-C28*	<10.0	10.0	01/17/2023	ND	216	108	200	2.71	
EXT DRO >C28-C36	<10.0	10.0	01/17/2023	ND					
Surrogate: 1-Chlorooctane	99.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103	% 49.1-14	8						

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### **Notes and Definitions**

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Celey D. Keene

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Delivered Box (Clark Cont.)	· Commence	Relinquished By:	Relinquished By: Colton Bickerstaff	nert shall Cardinal be liable for in affiliates or successors arising out	A BASE NOTE: Liable and Consul			4	770	7 1	3-	010	FOR LAB USE ONLY	Sampler Name: Colton Rickerstaff	Project Location: Eddy County New Maying	Project Name: Big		tin	Address: 8911 Cap	Project Manager: Christian Llull	Company Name: Tetra Tech
Sampler - UPS - Bus - Other:			Iton Bickerstaff	offortial or consequential diamages of or related to the performance of	Professional lands and discountry		BH-18 (3-4)	DI 10 (3-4)	DI 15 (2.4)	BH-14 (3-4)	BH-14 (2-3)	Sample I.D.	and the second second	ton Rickarstaff	Project Location: Eddy County New Maxim	12C-MD-02933, Tas	(512)565-0190		Address: 8911 Capital o Texas Hwy, Suite 2310	hristian Llull	(575) 393 etra Tech
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Released to Imaging: 6/21/2024 10:37:02 AM



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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	(575) 393-2326 FAX (575) 393-247							E	3 <i>IL</i>	L TO						ANA	LYS	SIS F	REQ	UES	T					
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Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL <	OTHER:	DATE	TIME	ТРН	втех	Chlorides	+	Hold								
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Relinquished By:	Date: 6-19-23	Received By:		Phone Results:	
Relinquished By:	Time:	Nou CVSV Received By:	eros	Email Results to: Christian Llull	
	Time:			Rush	
Delivered By: (Circle One) Sample: - UPS - Bus - Other:	2.8	Sample Condition Cool Intapt    Yes   Yes   Yes	CHECKED BY:	24 hrs	

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



January 10, 2024

CHRISTIAN LLULL
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: BIG GEORGE STATE #3 RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/09/24 14:47.

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">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A ( 0-1' ) (H240084-01)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 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	32.0	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	114 9	6 49.1-14	8						

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Celecy D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (1'-2') (H240084-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	144	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	83.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.7	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A ( 2'-3' ) (H240084-03)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.0	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (3'-4') (H240084-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-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	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 A (4'-5') (H240084-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Alldiyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	82.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	88.5	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (5'-6') (H240084-06)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 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	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	80.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (6'-7') (H240084-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	81.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (7'-8') (H240084-08)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-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	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	76.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 A (8'-9') (H240084-09)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 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	80.0	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.7	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 A (9'-10') (H240084-10)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/10/2024	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	80.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.5	% 49.1-14	18						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 B ( 0-1' ) (H240084-11)

BTEX 8021B

BIEX 8021B	mg/	rky	Allalyze	а ву: эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 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	64.0	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	79.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (1'-2') (H240084-12)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 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	224	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	71.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.7	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B ( 2'-3' ) (H240084-13)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	464	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	77.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (3'-4') (H240084-14)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 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	416	16.0	01/10/2024	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	01/09/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	83.2	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH
CHRISTIAN LLULL
901 WEST WALL STREET , STE 100

MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (4'-5') (H240084-15)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 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	256	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.8	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (5'-6') (H240084-16)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 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	208	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	79.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.4	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: **BIG GEORGE STATE #3 RELEASE** Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (6'-7') (H240084-17)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	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	208	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	75.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	81.8	% 49.1-14	8						

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### Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: **BIG GEORGE STATE #3 RELEASE** Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

### Sample ID: BH - 12 - 24 B (7'-8') (H240084-18)

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	01/09/2024	ND	2.14	107	2.00	3.01	
Toluene*	<0.050	0.050	01/09/2024	ND	2.16	108	2.00	2.67	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.17	108	2.00	3.11	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.44	107	6.00	3.24	
Total BTEX	<0.300	0.300	01/09/2024	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	224	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	77.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.0	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

### Sample ID: BH - 12 - 24 B (8'-9') (H240084-19)

BTEX 8021B

BIEX 9021B	mg/	кg	Anaiyze	а ву: эп					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	192	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	63.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.9	% 49.1-14	8						

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### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 B (9'-10') (H240084-20)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/10/2024	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2024	ND	185	92.6	200	2.55	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	171	85.6	200	3.06	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	70.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	76.0	% 49.1-14	8						

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Celey D. Keene



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 C (0-1') (H240084-21)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 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	48.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	74.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.9	% 49.1-14	8						

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Celey D. Keens



### Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

### Sample ID: BH - 12 - 24 C (1'-2') (H240084-22)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	144	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	68.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	63.0	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 C ( 2'-3' ) (H240084-23)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	78.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.7	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 C (3'-4') (H240084-24)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	160	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	70.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.7	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: **BIG GEORGE STATE #3 RELEASE** Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 C (4'-5') (H240084-25)

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	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	74.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	69.0	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 C (5'-6') (H240084-26)

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	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	70.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	65.6	% 49.1-14	8						

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Celecy D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 C (6'-7') (H240084-27)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 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	112	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	79.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 C (7'-8') (H240084-28)

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	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	72.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	67.5	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

ma/ka

# Sample ID: BH - 12 - 24 C (8'-9') (H240084-29)

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
<0.300	0.300	01/09/2024	ND					
98.2	% 71.5-13	4						
mg/kg		Analyze	d By: CT					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
96.0	16.0	01/10/2024	ND	448	112	400	3.51	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	01/09/2024	ND	197	98.5	200	3.97	
<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
<10.0	10.0	01/09/2024	ND					
69.6	% 48.2-13	4						
64.4	% 49.1-14	8						
	<0.050 <0.050 <0.050 <0.150 <0.300  98.2  mg/  Result  96.0  mg/  Result <10.0 <10.0  69.6	<ul> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.150</li> <li>&lt;0.300</li> <li>0.300</li> <li>98.2 %     71.5-13     mg/kg     </li> <li>Result Reporting Limit</li> <li>96.0 16.0</li> <li>mg/kg</li> <li>Result Reporting Limit</li> <li>&lt;10.0 10.0</li> <li>&lt;10.0 10.0</li> <li>&lt;10.0 10.0</li> <li>&lt;10.0 10.0</li> <li>&lt;10.0 10.0</li> </ul>	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 C (9'-10') (H240084-30)

BTEX 8021B

DILX GOZID	1119/	Kg .	Allulyzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	ed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/10/2024	ND	448	112	400	3.51	
TPH 8015M	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	60.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	55.5	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D (0-1') (H240084-31)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	48.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	71.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.3	% 49.1-14	8						

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Celeg D. Freene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D (1'-2') (H240084-32)

BTEX 8021B

	9/	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	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	48.0	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	72.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	66.7	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D ( 2'-3' ) (H240084-33)

BTEX 8021B

DILX GOZID	11197	, kg	Allulyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	176	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	67.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	61.3	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 D (3'-4') (H240084-34)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	78.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.1	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D (4'-5') (H240084-35)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/10/2024	ND	448	112	400	3.51	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	69.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	64.0	% 49.1-14	8						

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 D (5'-6') (H240084-36)

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	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 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	352	16.0	01/10/2024	ND	448	112	400	3.51	
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	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/09/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/09/2024	ND					
Surrogate: 1-Chlorooctane	72.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	68.4	% 49.1-14	8						

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# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D (6'-7') (H240084-37)

BTEX 8021B

	9/	9	7						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/10/2024	ND	448	112	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	76.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.1	% 49.1-14	8						

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Celey D. Keene



# Analytical Results For:

TETRA TECH CHRISTIAN LLULL 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: 01/10/2024 Sampling Type: Soil

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact
Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: COP - EDDY COUNTY, NEW MEXICO

mg/kg

# Sample ID: BH - 12 - 24 D (7'-8') (H240084-38)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/09/2024	ND	2.18	109	2.00	2.06	
Toluene*	<0.050	0.050	01/09/2024	ND	2.14	107	2.00	2.13	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.12	106	2.00	2.51	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.19	103	6.00	2.31	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 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	224	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.7	% 49.1-14	8						

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: Sample Received By: 212C-MD-02933 Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 D (8'-9') (H240084-39)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 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	224	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	77.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	72.0	% 49.1-14	8						

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# Analytical Results For:

**TETRA TECH** CHRISTIAN LLULL 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 01/09/2024 Sampling Date: 01/09/2024

Reported: Sampling Type: Soil 01/10/2024

Fax To:

Project Name: BIG GEORGE STATE #3 RELEASE Sampling Condition: Cool & Intact Project Number: 212C-MD-02933 Sample Received By: Tamara Oldaker

Project Location: COP - EDDY COUNTY, NEW MEXICO

# Sample ID: BH - 12 - 24 D (9'-10') (H240084-40)

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	01/09/2024	ND	2.27	113	2.00	2.33	
Toluene*	<0.050	0.050	01/09/2024	ND	2.27	114	2.00	1.71	
Ethylbenzene*	<0.050	0.050	01/09/2024	ND	2.26	113	2.00	1.66	
Total Xylenes*	<0.150	0.150	01/09/2024	ND	6.84	114	6.00	1.49	
Total BTEX	<0.300	0.300	01/09/2024	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	240	16.0	01/10/2024	ND	448	112	400	3.51	
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	01/10/2024	ND	197	98.5	200	3.97	
DRO >C10-C28*	<10.0	10.0	01/10/2024	ND	179	89.4	200	7.75	
EXT DRO >C28-C36	<10.0	10.0	01/10/2024	ND					
Surrogate: 1-Chlorooctane	80.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.7	% 49.1-14	8						

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# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

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

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

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

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Celeg D. Freene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

	Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Relinquished By:		Relinquished By	event shall Cardinal be liable affiliates or successions artist	PLEASE NOTE: Lability and Dar	10	9	8	7	6	S	4	ic	æ	,	Lab I.D.	Sampler Name:	Project Location	rioject Ivallie.	Project Name: B	Project #:	Phone #:	City: Austin	Address: 8911 C	Project Manager	Company Name: Tetra Tech	
	cle One) lus - Other:				Relinquished By: Colton Bickerstaff	erent and Cydrond to lable for incidental or consequented samples, including without instance, business entemptions, tass or base or prices including by consequented samples, including without instance, business entemptions, tass or uses or prices included by careful and the samples of the samples and the samples of the	amages. Cardinal's liability and client's exclusive remady for any client entating whether	BH-12-24A (9'-10')	BH-12-24A (8'-9')	BH-12-24A (7'-8')	BH-12-24A (6'-7')	BH-12-24A (5'-6')	BH-12-24A (4'-5')	BH-12-24A (3'-4')	BH-12-24A (2'-3')	BH-12-24A (1'-2')	BH-12-24A (0-1')	Sample I.D.	Sampler Name: Colton Bickerstan	Project Location: Eddy County, New Mexico	ig outings outer the return	Project Name: Bin George State #3 Release	212C-MD-02933	(512)565-0190 F		Address: 8911 Capital o Texas Hwy, Suite 2310	Project Manager: Christian Llull	Tetra Tech	1000 000
	Observed Temp. °C	Time:	Date:	Time: 14:47	Date: 1/09/24	including without limitation, busine services hereignder by Cardinal, re	the secondy for any claim soluteg whe											I.D.		XICO			Pro	Fax #:	State: TX	e 2310			040 1010101000
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5	CHECKED BY: (Initials)	1	1	D	1	reasons o	brille and	+	-	$\dashv$				_	_	H		OTHER:			1	Zin:		MAIL	tian L	Tetra		BILL	
	BY:		1	M	1	otherwise	not or lost, shall be limited to the armount paid by the client for the analyzans. All claims	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	SAMPLING DATE TI			3	2			IIII	Tech		1 70	
Thermometer ID - 1716-	Turnaround Time:		REMARKS: 24hr. RUSH TAT on ALL samples	Nicholas,Poole@tetratech.com	Verbal Result: □ Yes □ No   Add'l Phone #:   All Results are emailed. Please provide Email address: Christian Liuli@tetratech.com AND		ns including those for regiligence and any other cause whatso											TIME											
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Date:	Relinquished By: Colton Bickerstaff	tal or consequential or consequent	12		H-	_	/6 BH-1	15 BH-1	/4 BH-1		12 BH-1		Lab I.D.		Project Location: Eddy County, Ne	Name. Dig Geo	Project Name: Big Good			City: Austin	s: 8911 Capital o	Project Manager: Christian Llull	Company Name: Tetra Tech	
Date:		ental damages, inch performance of serv	BH-12-24B (9'-10')	BH-12-24B (8'-9')	BH-12-24B (7'-8')	BH-12-24B (6'-7')	BH-12-24B (5'-6')	BH-12-24B (4'-5')	BH-12-24B (3'-4')	BH-12-24B (2'-3')	BH-12-24B (1'-2')	BH-12-24B (0-1')	Sample I.D.		Sampler Name: Colton Rickerstaff	Toject Walle, big George Gate no rejease	Coords State #3 Delega		(512)565 0190 Eav #		Address: 8911 Capital o Texas Hwy, Suite 2310	tian Llull	- 1	(575) 393-232
6	Time: 1/09/24	uding without limitation, business ices hersunder by Cardinal. reg	remarks for any chairs associate wheth										,		8	9				State: TX	2310			(575) 393-2326 FAX (575) 393-2476
Rece	Rece	a interruption archess of w	G	G	G	G	G	G	G	G	G	G	(G)RAB OR (C)OMP.				Jones	-		Zip:				2476
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	A.	idiaries. basons or otherwise.	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	1/9/2024	D	1		cip.	7in:		MAII	ian Llull	Tetra Tech		BILL TO	STACKED OF
REMARKS:	All Results Nicholas,Po		ains including floss										TIME											TA POSTERO
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			To days at					H				L		_					_		_	4		
	Received By:  REMARKS: 24hr. RUSH TAT on ALL samples	Received By  All Results are emailed. Please provide Email  Nicholas. Poole@tetratech.com  Received By:  Remarks: 24hr. Rush Tat on ALL samples	tos of use of bear of profits incurred by client, its subsidiaries.  The such claim is based upon any of the above stated research or otherwise.  Veribal Result: □ Yes □ No Add'l Phone #:  All Results are emailled. Please provide Email address: Christian.Llull@tetratech.com AND Nicholas.Poole@tetratech.com  REMARKS: 24hr. RUSH TAT on ALL samples	1/9/2024 altyres. All claim or otherwise.	IN/2004  X  X  X  X  X  All Result:   Verbal Result:   Verbal Result:   Verbal Result:   Verbal Result:   Verbal Result:   Verbal Result:   No Ald Phone 4:   All Results are emailed, Please provide Email address: Christian, Lluli@tetratech.com AND   Nicholas, Poole@tetratech.com  REMARKS: 24hr, RUSH TAT on ALL samples	19/2024   X	X   X   X   X   X   X   X   X   X   X	19/2/2/3   X	19/2/2/3   X	19/2/2/4   X	19/2/2/4   X	19/2024   X	19/2/2/34   X	DATE TIME TPH 8015M  19/2/2024 X X X X X X X X X X X X X X X X X X X	SAMPLING  M  8015  M  8015  M  8015  M  8015  M  8016  SM44  PPH  8015  REMARKS: 24hr. RUSH TAT on ALL samples  M  8015  M  8016  SM45  SM	SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  SM455000  TIME  TPH 8015M  BTEX 8021B  BTEX 8021B  SM450024  XX XX XX XX  INJUZ024  XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  XX XX XX XX XX  INJUZ024  INJUZ024  INJUZ024  XX XX XX XX XX  INJUZ024  INJ	SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  SM45  OCT  TIME  TPH 8015M  BTEX 8021B  Chloride  SM45  OCT  IPJ2024  XX XX XX XX XX XX XX XX XX XX XX XX XX	SAMPLING  SAMPLING  SAMPLING  BTEX 8021B  REMARKS: 24hr. RUSH TAT on ALL samples	SAMPLING  SAMPLING  BATE  TIME  TPH 8015M  BTEX 8021B  BTEX 8021B  Chloride  SM4500CI  BY2024  X X X X X X X X X X X X X X X X X X X	SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  THE THE 8015M  BTEX 8021B  BTEX 8021B  Children in will be desired white in willing and received by Cardial within 20 day after subset provide Email address: Christian Liuli@tetratech.com AND Nicholas, Poole@tetratech.com  REMARKS: 24hr. RUSH TAT on ALL samples	SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  THE THE 8015M  BTEX 8021B  Children in the state of the sta	IDATE TIME TPH 8015M  SAMPLING  SAMPLING  SAMPLING  SAMPLING  BY 192024  Marchal Result: Tyes D No Date of repulphone and any direct cases efficiency shall be distincted world unless make the newly or distortation and in setting and inchange and inchange provide Email address: Christian Llui@tetratech.com AND Nicholas. Poole@tetratech.com  REMARKS: 24hr. RUSH TAT on ALL samples	IDATE TIME TPH 8015M  BTEX 8021B  SAMPLING  SAMPLING  SAMPLING  SAMPLING  SAMPLING  AND A STATE TIME TPH 8015M  BTEX 8021B  BTEX 8021B  Chiloride  SM4500CI-B  SM4500CI-B  SM4500CI-B  SM4500CI-B  AND AND AND AND AND AND AND AND AND AND	IDATE TIME THE X 8021B  SAMPLING  SAMPLING  SAMPLING  M4500CI-B  BTEX 8021B  Chloride  SM4500CI-B  SM4

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240

P.niect # 21	Project Manager: Christian Liuli Address: 8911 Capital o Texas Hwy, Suite 2310 City: Austin Phone #: (512)565-0190 Fax #:	State: TX	Zip:	O Laboration of the Control of the C		0 3 3	y: Tetr	P.O. #: Company: Tetra Tech Attn: Christian Llull Address: EMAIL	PRILL TO  IV: Tetra Tech  ristian Liuli  : EMAIL	BILL TO  yy: Tetra Tech ristian Liuli : EMAIL	BILL TO  yy: Tetra Tech ristian Liuli : EMAIL	сь	ch	ANALYSIS REQUEST  yy: Tetra Tech  ristian Liuli
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# **APPENDIX G NMSLO Seed Mixture**



#### MAP LEGEND

#### Area of Interest (AOI)

Area of Interest (AOI)

#### Soils

Soil Map Unit Polygons

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Soil Map Unit Lines

Soil Map Unit Points

#### Special Point Features

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Borrow Pit

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Clay Spot

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Closed Depression

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Gravel Pit

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**Gravelly Spot** 

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Landfill

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Lava Flow

Marsh or swamp

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Mine or Quarry

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Miscellaneous Water

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Perennial Water

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Rock Outcrop

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Saline Spot

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Sandy Spot

Severely Eroded Spot

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Sinkhole

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Very Stony Spot

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Wet Spot Other

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Special Line Features

#### Water Features

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Streams and Canals

## Transportation

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Local Roads

## Background

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Aerial Photography

# MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
SG	Simona gravelly fine sandy loam, 0 to 3 percent slopes	0.0	6.5%
SM	Simona-Bippus complex, 0 to 5 percent slopes	0.5	93.5%
Totals for Area of Interest	'	0.5	100.0%

# **Map Unit Descriptions**

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An association is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

# **Eddy Area, New Mexico**

# SG—Simona gravelly fine sandy loam, 0 to 3 percent slopes

# **Map Unit Setting**

National map unit symbol: 1w5w Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

# **Map Unit Composition**

Simona and similar soils: 95 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

# **Description of Simona**

# Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

# **Typical profile**

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

# **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

# Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

# **Minor Components**

# Simona

Percent of map unit: 4 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

# Playa

Percent of map unit: 1 percent

Landform: Playas

Landform position (three-dimensional): Talf Down-slope shape: Concave, convex Across-slope shape: Concave, linear

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: Yes

# SM—Simona-Bippus complex, 0 to 5 percent slopes

# **Map Unit Setting**

National map unit symbol: 1w5x Elevation: 1,800 to 5,000 feet

Mean annual precipitation: 8 to 24 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

# Map Unit Composition

Simona and similar soils: 55 percent Bippus and similar soils: 30 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

### **Description of Simona**

# Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

# **Typical profile**

H1 - 0 to 19 inches: gravelly fine sandy loam

H2 - 19 to 23 inches: indurated

# **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately

low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

# Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

# **Description of Bippus**

# Setting

Landform: Flood plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear Across-slope shape: Linear Parent material: Mixed alluvium

# Typical profile

H1 - 0 to 37 inches: silty clay loam H2 - 37 to 60 inches: clay loam

# **Properties and qualities**

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high

(0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: Occasional Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

# Interpretive groups

Land capability classification (irrigated): 2e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

# **Minor Components**

#### Simona

Percent of map unit: 8 percent

Ecological site: R070BD002NM - Shallow Sandy

Hydric soil rating: No

#### **Bippus**

Percent of map unit: 7 percent

Ecological site: R070BC017NM - Bottomland

Hydric soil rating: No

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# SLO Seed Mix SM Series

# 1 REVEGETATION PLANS

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico

REVEGTATION PLANS	CODE	SOIL TEXTURES
Clay	С	Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)
Loam	L	Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam
Sandy Loam	SL	Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam
Shallow	SH	Rocky Loam, Cobbly Loam
Course	CS	Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam
Sandy	S	Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand
Blow Sand	BS	Fine Sand, Sand, Coarse Sand
Mountain Meadow	MM	Clay, Loam
Mountain Upland	MU	Clay Loam, Loam



# **NMSLO Seed Mix**

# Sandy Loam (SL)

# SANDY LOAM (SL) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX	
Grasses:				
Galleta grass	Viva, VNS, So.	2.5	${f F}$	
Little bluestem	Cimmaron, Pastura	2.5	${f F}$	
Blue grama	Hachita, Lovington	2.0	D	
Sideoats grama	Vaughn, El Reno	2.0	${f F}$	
Sand dropseed	VNS, Southern	1.0	$\mathbf{S}$	
Forbs:				
Indian blanketflower	VNS, Southern	1.0	D	
Parry penstemon	VNS, Southern	1.0	D	
Blue flax	Appar	1.0	D	
Desert globemallow	VNS, Southern	1.0	D	
Shrubs:				
Fourwing saltbush	VNS, Southern	2.0	D	
Common winterfat	VNS, Southern	1.0	${f F}$	
Apache plume	VNS, Southern	0.75	F	
	Total PLS/acr	e 17.75		

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



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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

Action 355638

# **QUESTIONS**

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	355638
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nMLB1122858011
Incident Name	NMLB1122858011 BIG GEORGE STATE #003 @ 30-015-28759
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-28759] BIG GEORGE STATE #003

Location of Release Source	
Please answer all the questions in this group.	
Site Name BIG GEORGE STATE #003	
Date Release Discovered 07/27/2011	
Surface Owner	State

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.	
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Water Tank   Produced Water   Released: 50 BBL   Recovered: 45 BBL   Lost: 5 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 Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

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<u>District IV</u> 1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 355638

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	IONS (continued)
Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID:
	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.
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 second content of the con	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.
	lation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted 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 relethe 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 ases 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 it 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: 06/18/2024

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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 3

Action 355638

**QUESTIONS** (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	355638
	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	Attached Document	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)	
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	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (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	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This informati	on must be provided to 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 demonstrating the lateral and vertical exter	nts of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been full	y delineated Yes	
Was this release entirely contained within a lined containmen	t area No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	20000	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4041	
GRO+DRO (EPA SW-846 Method 8015M	M) 3400	
BTEX (EPA SW-846 Method 8021E	3 or 8260B) 0	
Benzene (EPA SW-846 Method 80218	3 or 8260B) 0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization re which includes the anticipated timelines for beginning and completing the	port includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, remediation.	
On what estimated date will the remediation commence	10/21/2024	
On what date will (or did) the final sampling or liner inspection	occur 10/22/2024	
On what date will (or was) the remediation complete(d)	10/25/2024	
What is the estimated surface area (in square feet) that will be	e reclaimed 4481	
What is the estimated volume (in cubic yards) that will be recla	aimed 445	
What is the estimated surface area (in square feet) that will be	e remediated 4481	
What is the estimated volume (in cubic yards) that will be rem	ediated 445	
These estimated dates and measurements are recognized to be the best gu	uess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
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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# **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 355638

**QUESTIONS** (continued)

Operator:	OGRID:
COG OPERATING LLC	229137
600 W Illinois Ave	Action Number:
Midland, TX 79701	355638
	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.		

er 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

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.

I hereby agree and sign off to the above statement

Name: Christian LLuLL Title: Project Manager

Email: christian.llull@tetratech.com Date: 06/18/2024

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.

Released to Imaging: 6/21/2024 10:37:02 AM

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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 5

Action 355638

**QUESTIONS** (continued)

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	355638	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

#### QUESTIONS

Deferral Requests Only	
Only 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

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Requesting a remediation closure approval with this submission

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

QUESTIONS, Page 6

Action 355638

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	355638	
	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.}	
Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all r	remediation steps have been completed.	

No

**QUESTIONS** (continued)

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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** 

CONDITIONS

Action 355638

# **CONDITIONS**

Operator:	OGRID:	
COG OPERATING LLC	229137	
600 W Illinois Ave	Action Number:	
Midland, TX 79701	355638	
	Action Type:	
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

#### CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan approved. A complete and accurate closure and reclamation report will need to be submitted through the OCD Permitting website by 9/21/2024.	6/21/2024
bhall	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/21/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	6/21/2024