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December 15, 2023

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

SUBJECT: Remediation Closure Report for the Smith Ranch (Maduro Area) Release  
(nAPP2318638414), Lea County, New Mexico

Dear NMOCD District 1,

On behalf of Frontier Field Services, LLC, Atkins Engineering Associates INC. (AEA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to gas pipeline activities at the Smith Ranch (Maduro Area). The site is in Unit L, Section 29, Township 19S, Range 33E, Lea County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Smith Ranch (Maduro Area)	Company	Frontier Field Services, LLC
API Number	N/A	Location	32.629103 -103.691133
Incident Number	nAPP2318638414		
Estimated Date of Release	6/28/2023	Date Reported to NMOCD	6/28/2023
Land Owner	Federal	Reported To	NMOCD, BLM
Source of Release	Line deterioration		
Released Volume	9.6 BBLS <b>673.38 MCF</b>	Released Material	Condensate <b>Gas</b>
Recovered Volume	0	Net Release	9.6 BBLS <b>673.38 Gas</b>
NMOCD Closure Criteria	<50 feet to Groundwater		
AEA Response Dates	7/24, 11/3/2023		

## **1.0 Background**

On June 28, 2023, a release was discovered at the Smith Ranch (Maduro Area) pipeline due to line deterioration. Initial response activities were conducted by the operator, and included source elimination by means of repair and immediate site stabilization and release recovery. Figures 1 and 2 illustrate the vicinity and site location, Figure 3 illustrates the release location. The C-141 forms are included in Appendix A.

## **2.0 Site Information and Closure Criteria**

The Smith Ranch (Maduro Area) is located approximately 33 miles west of Hobbs, New Mexico on Federal (BLM) land at an elevation of approximately 3596 feet above mean sea level (amsl).

Based upon the New Mexico Office of the State Engineers (NMOSE) online water well database, (Appendix B), depth to groundwater in the area is undeterminable due to no water well information. There are no known water sources within ½-mile of the location, according to the NMOSE database. ([https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 11/14/2023). The nearest significant watercourse is unnamed water pipeline, located approximately 5,641 feet southeast of the location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

## **3.0 Release Characterization and Remediation Activities**

On June 28, 2023, Frontier Field Services, LLC personnel arrived on site in response to the release associated with Smith Ranch (Maduro Area). AEA performed site delineation activities on July 24, 2023 and by collecting soil samples around the release site and throughout the light overspray. Soil samples were field screened for chloride using an electrical conductivity (EC) meter.

locations (B1-B20) were investigated using a hand-auger, to depths up to 5 feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the method above. A total of 57 samples were collected for laboratory analysis for total chloride using EPA Method 300.0., EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

AEA returned to the site to oversee the excavation of contaminated soil near and on the pipeline. AEA guided the excavation activities by collecting soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on October 31, 2023, that closure samples were expected to be collected in two (2) business days. A copy of this notification is included in Appendix E.

On November 3, 2023 AEA began conducting confirmation sampling of the walls and base of the excavation. The area around sample locations CS1-CS3 were excavated to a depth of 4 feet bgs. The area

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around sample locations CS4-CS6, were excavated to a depth of 8 feet bgs. The area around sample locations CS7-CS8 were excavated to a depth of 4 feet bgs. The area around sample locations CS9-CS10 were excavated to a depth of 6 feet bgs. The area around sample locations CS11-CS15 were excavated to a depth of 2 feet bgs. The area around sample locations CS16-CS18 were excavated to a depth of 1 feet bgs.

The area around and within the light overspray sample locations CS19-CS127 were sampled at surface.

The confirmation samples were comprised of representative wall and base 5-point composite samples, each representing 200 ft<sup>2</sup> of exposed excavation of the base (CS1-CS127) and walls (CSW1-CSW12).

On September 09, 2023, AEA received lab confirmation that all samples were below NMOCD closure criteria.

All samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Cardinal Laboratories in Hobbs, New Mexico (Appendix D).

Figure 3 shows the extent of the excavation and sample locations. All laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

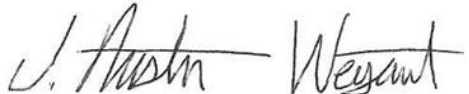
Approximately 480 cubic yards of contaminated soil was removed and hauled to a NMOCD approved facility (waste manifest available upon request). The contaminated soil was transported and disposed of at Lea Land, near Hobbs, NM.

#### **4.0 Scope and Limitations**

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

If there are any questions regarding this report, please contact Austin Weyant at 575-626-3993

Submitted by:  
Atkins Engineering Associates INC

A handwritten signature in black ink, appearing to read "Austin Weyant", is written over a horizontal line.

Austin Weyant  
Geoscientist

Smith Ranch (Maduro Area) Remediation Closure Report (nAPP2318638414)  
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## **ATTACHMENTS:**

### **Figures:**

Figure 1: Hydrology Setbacks Map

Figure 2: Karst and NMOSE PODs Map

Figure 3a: Closure Samples Map

Figure 3b: Closure Samples Map

### **Tables:**

Table 2: NMOCD Closure Criteria Justification

Table 3a: Summary of Initial Sample Results

Table 3b: Summary of Confirmation Sample Results

### **Appendices:**

Appendix A: Form C141

Appendix B: NMOSE Wells Report

Appendix C: Laboratory Analytical Reports

Appendix D: Open Excavation Photo Log

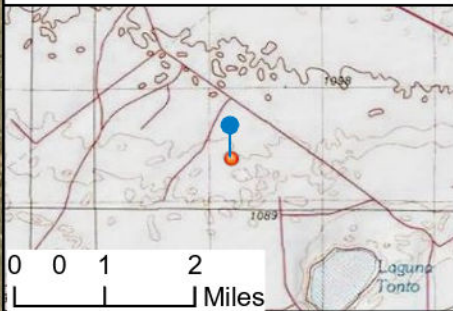
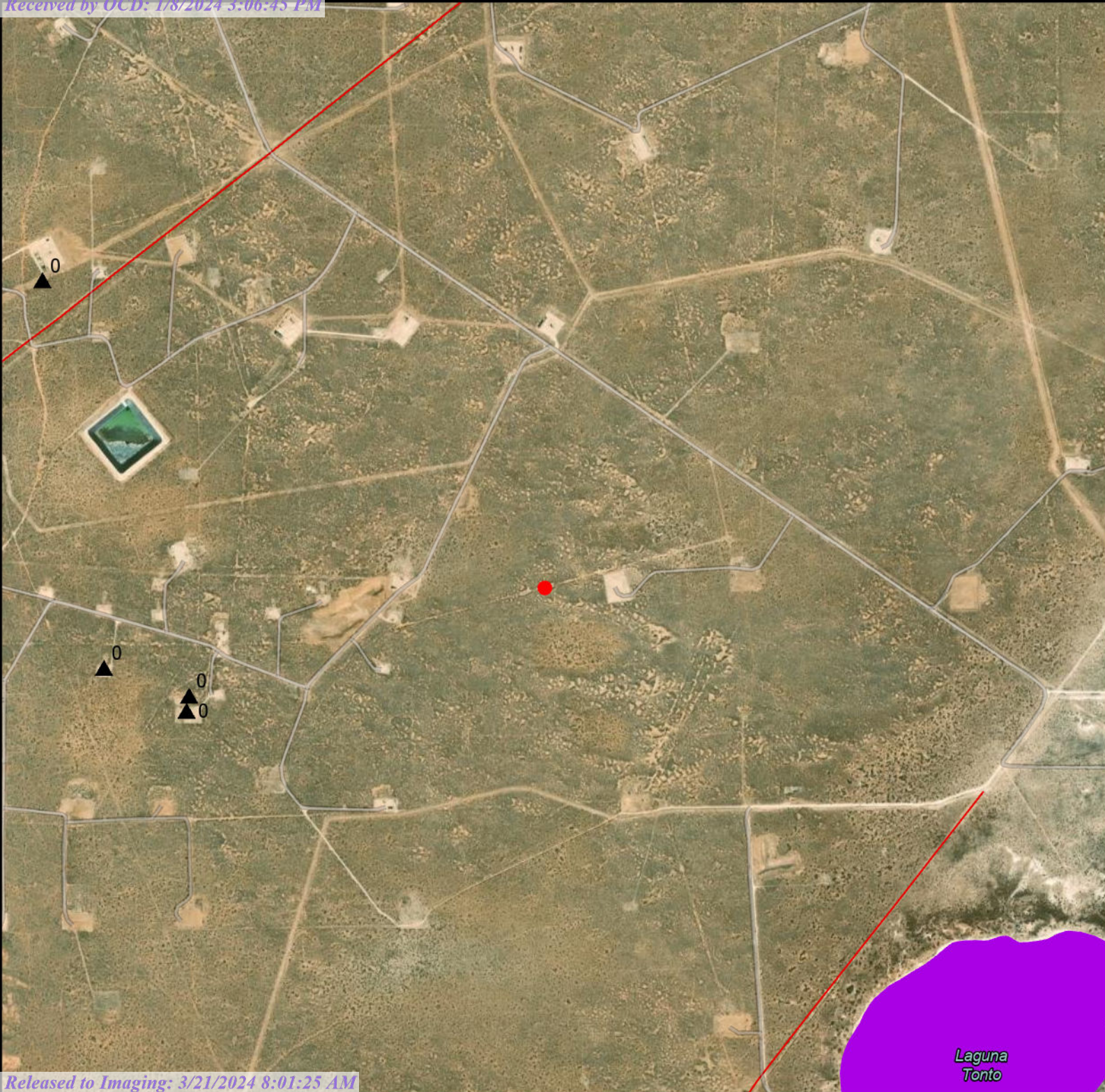
Appendix E: NMOCD Correspondence



# FIGURES

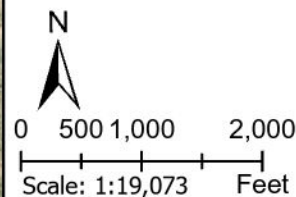


FIGURE 1-  
Hydrology Setbacks  
Smith Ranch



LEGEND

- Release Point
- Lakes\_Playas
- Springs\_Seeps
- Streams\_Canals
- Flowlines\_SENM
- FEMA\_Flood\_Zones\_2011
- TankFarm\_500Buffer
- ▲ OSE\_PODs



Durango Midstream

DRAWN LCM

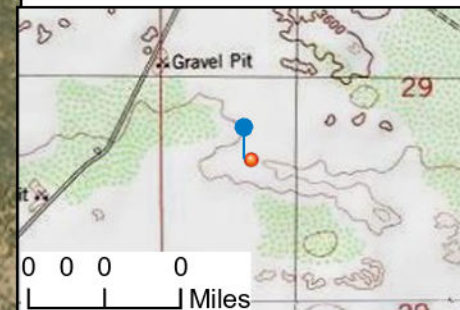
DATE DRAWN: 12/5/2023 REVIEW JAW



Laguna  
Tonto

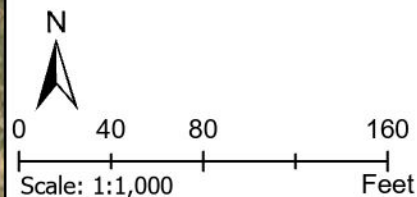


# FIGURE 2- Site Assessment Smith Ranch



## LEGEND

- Lakes\_Playas
- Springs\_Seeps
- Streams\_Canals
- Flowlines\_SENM
- FEMA\_Flood\_Zones\_2011
- TankFarm\_500Buffer
- OSE\_PODs
- Sample Location



Durango Midstream

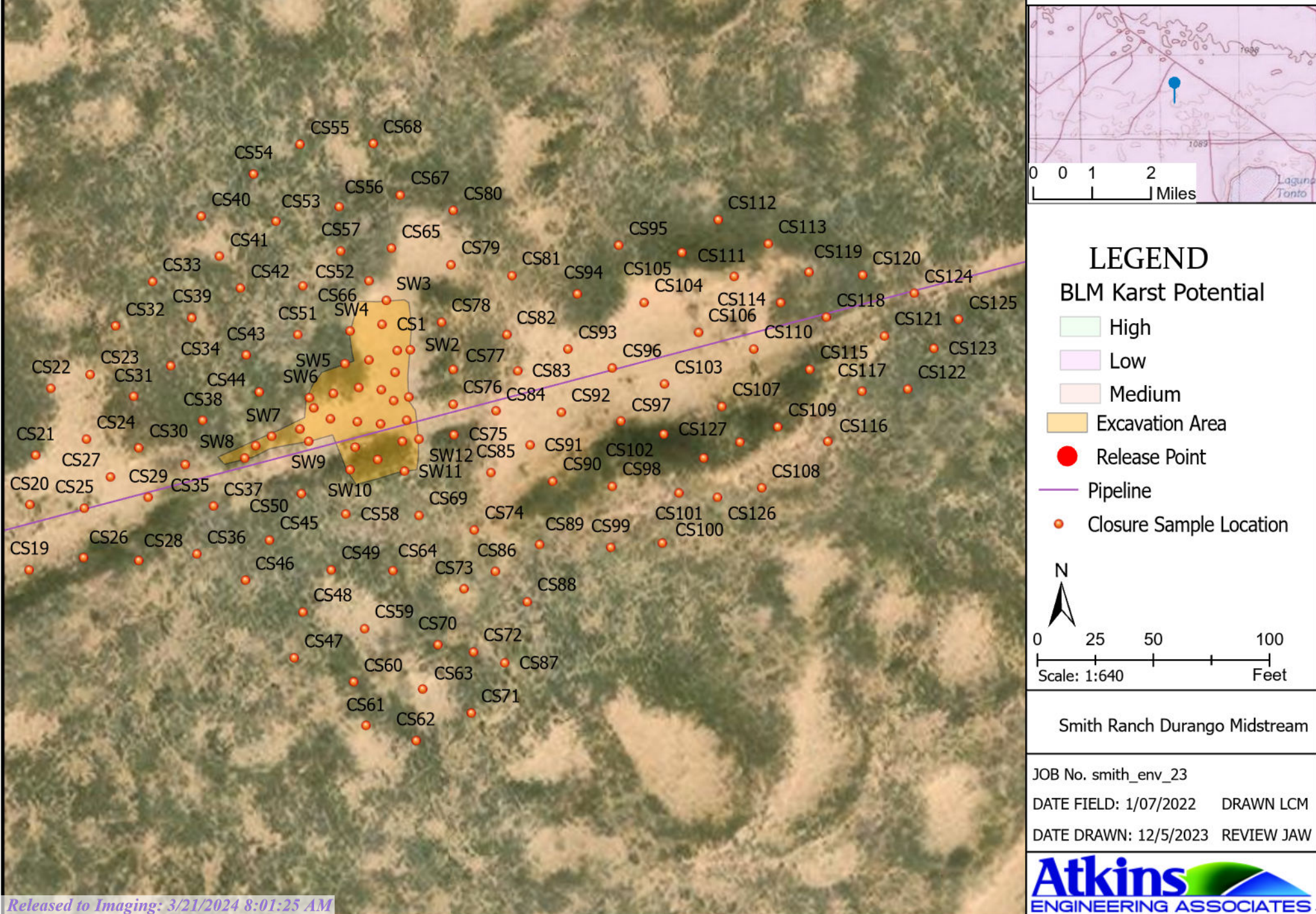
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DATE DRAWN: 12/5/2023 REVIEW JAW

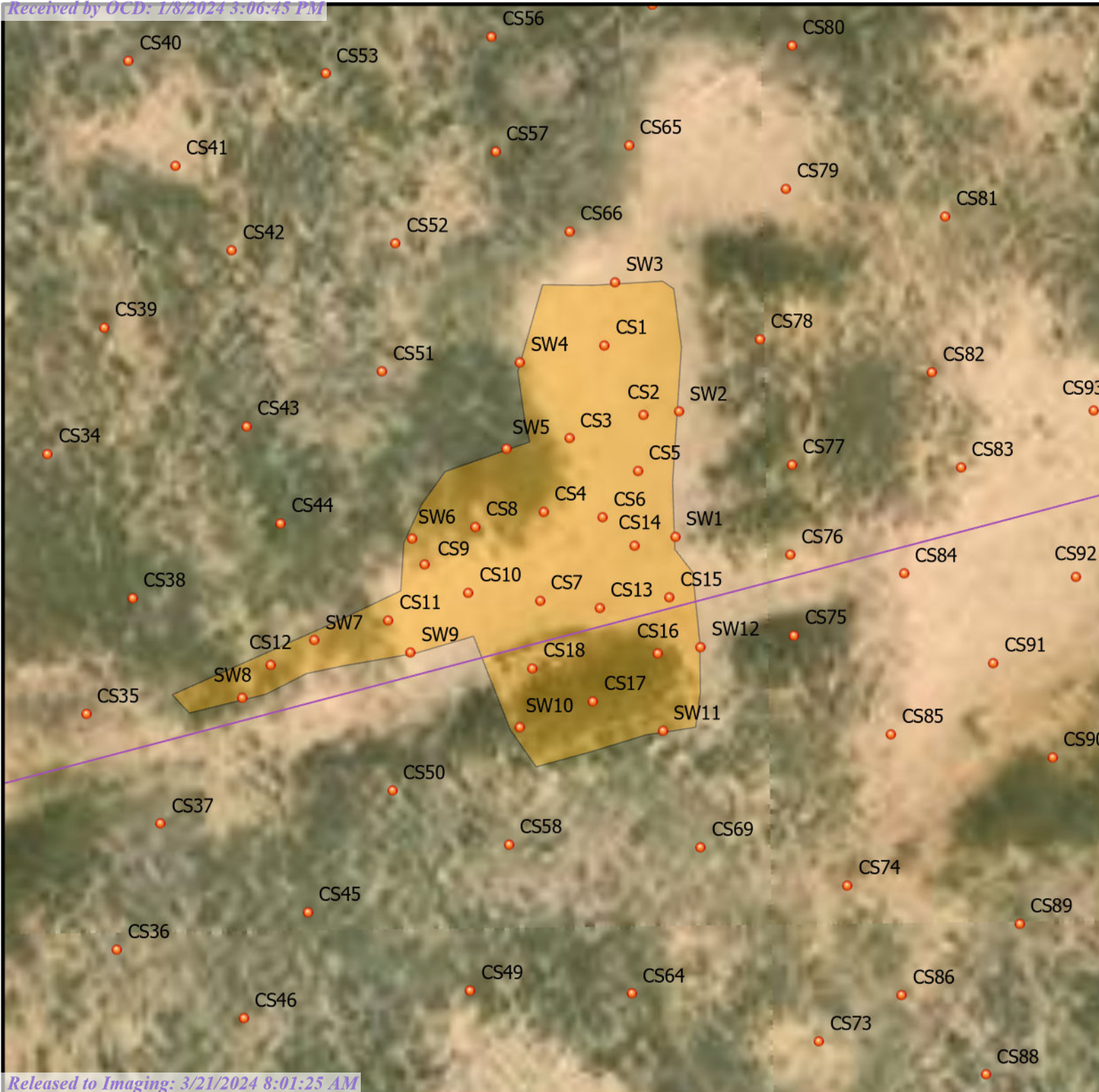




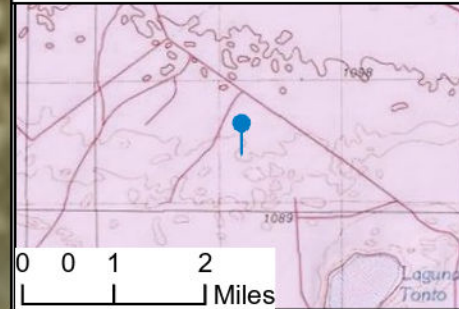
**FIGURE 3a**  
**Closure Samples**  
**Smith Ranch**







**FIGURE 3b**  
**Closure Samples**  
**Smith Ranch**



## LEGEND

### BLM Karst Potential

High

Low

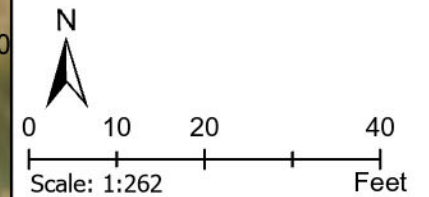
Medium

Excavation Area

Release Point

Pipeline

Closure Sample Location



Smith Ranch Durango Midstream

JOB No. smith\_env\_23

DATE FIELD: 1/07/2022 DRAWN LCM

DATE DRAWN: 12/5/2023 REVIEW JAW

**Atkins**  
 ENGINEERING ASSOCIATES

# TABLES

Table 2:  
NMOCD Closure CriteriaFrontier Field Services, LLC  
nAPP2318638414

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes
Depth to Groundwater (feet bgs)	<50	New Mexico Office of the State Engineer
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA	United States Geological Survey
Horizontal Distance to Nearest Significant Watercourse (ft)	5,659	United States Geological Survey

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

Table 3a:  
Summary of Initial Sample ResultsFrontier Field Services  
Smith Ranch (Maduro Area) nAPP2318638414

Sample ID	Sample Date	Depth (feet bgs)	Proposed Action	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
NMED Closure Criteria				50	10				100	600
B1	7/28/2023	0.0	excavate	20.94	<0.05	89.6	5910	2490	8489.6	216
		1.0		<0.0250	<0.0250	<20	199	125	324	<20
		2.0	in-situ	<0.0250	<0.0250	<20	53.3	<20	53.3	<20
		3.0		<0.0250	<0.0250	<20	<25	<50	<95	-
		4.0		<0.0250	<0.0250	<20	<25	<50	<95	-
		5.0		-	-	<20	<25	<50	<95	-
B2		Surface	excavate	66.38	<0.0250	292	12400	5730	18422	75.1
		1.0		28.462	0.132	107	13100	5360	18567	21.2
		2.0		55.27	0.26	209	16100	6380	22689	<20
		3.0		82.939	0.599	339	17300	6490	24129	<20
		4.0		196.516	0.516	779	18000	7140	25919	<20
		5.0	254.77	1.27	915	30100	10900	41915	<20	
B3		Surface	excavate	34.78	<0.0500	141	8360	3830	12331	120
		1.0	in-situ	<0.0250	<0.0250	<20	<25	<50	<95	20
		2.0		<0.0250	<0.0250	<20	<25	<50	<95	<20
		3.0		<0.0250	<0.0250	<20	<25	<50	<95	<20
		4.0		<0.0250	<0.0250	<20	<25	<50	<95	<20
B4		Surface	excavate	85.218	0.268	333	21800	10100	32233	146
		1.0		209.218	0.208	282	10700	3910	14892	<20
		2.0		41.3956	0.0856	188	13700	5370	19258	<20
		3.0		101.28	0.28	443	19600	7220	27263	<20
		4.0	67.081	0.291	241	17800	6270	24311	<20	
B5		Surface	excavate	4.608	<0.0250	24.4	865	610	1499.4	136
		0.5	in-situ	0.5283	<0.0250	<20	68.8	<50	68.8	<20
B6		Surface	in-situ	10.2732	0.0352	42.5	50.6	<50	93.1	<20
		0.5		0.0813	<0.0250	<20	<25	<50	<95	<20
B7		Surface	excavate	8.25	<0.0250	36.5	1770	<2500	1806.5	<20
		0.5	in-situ	0.4499	<0.0250	<20	68.4	<50	68.4	<20
B8	Surface	excavate	9.8964	0.0304	37.3	217	64.9	319.2	20.8	
	0.5	in-situ	5.086	<0.0250	28.3	68.9	<50	97.2	<20	
B9	Surface	excavate	5.615	<0.0250	29.8	297	161	487.8	41.3	
	0.5	in-situ	0.8902	<0.0250	<20	<25	<50	<95	<20	
B10	surface	excavate	18.0769	0.0469	79.4	194	<50	273.4	<20	
	0.5	in-situ	0.6901	<0.0250	<20	29.1	<50	29.1	<20	
B11	Surface	excavate	3.872	<0.0250	<20	371	241	612	38.4	
	0.5	in-situ	0.3514	<0.0250	<20	36.8	<50	36.8	<20	
B12	Surface	excavate	10.368	<0.0250	54	1910	1350	3314	38.5	
	0.5	in-situ	0.0303	<0.0250	<20	<25	<50	<95	<20	
B13	Surface	excavate	12.82	<0.0250	54.6	5030	2660	7744.6	73.7	
	0.5	in-situ	<0.175	<0.0250	<20	65.3	<50	65.3	<20	
B14	Surface	excavate	11.2155	0.0275	46.3	1810	1270	3126.3	<20	
	0.5	in-situ	2.206	<0.0250	<20	187	<50	187	<20	
B15	Surface	excavate	40.832	0.312	133	192	133	458	<20	
	0.5	in-situ	0.5074	<0.0250	<20	58.2	<50	58.2	<20	
B16	Surface	excavate	24.7899	0.0899	84.3	489	409	982.3	<20	
	0.5	in-situ	1.845	<0.0250	<20	94.4	<50	94.4	<20	
B17	surface	excavate	23.3836	0.0836	78	374	251	703	<20	
	0.5	in-situ	3.407	<0.0250	24.3	67.5	<50	91.8	<20	
B18	Surface	excavate	24.5798	0.0598	87.7	1110	806	2003.7	<20	
	0.5	in-situ	4.616	<0.0250	23.3	31.8	<50	55.1	<20	
B19	surface	excavate	36.766	0.126	173	3370	3090	6633	<20	
	0.5		8.589	<0.0250	44.2	115	<50	159.2	<20	
B20	0.5	excavate	32.47	<0.125	152	7490	4540	12182	<20	
	1.0		86.506	0.196	414	14300	5560	20274	<20	
	2.0		28.177	0.157	192	12300	4510	17002	<20	
	3.0		1.1601	0.0351	<20	783	442	1225	<20	
	4.0		<0.0250	<0.0250	<20	<25	<50	<95	<20	
	5		<0.0250	<0.0250	<20	<25	<50	<95	<20	

"--" = Not Analyzed



Table 3b: Frontier Field Services  
Summary of Confirmation Sample Results Smith Ranch (Maduro Area) nAPP2318638414

Sample ID	Sample Date	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg
NMOCD Closure Criteria		50	10				100	600
CS1	11/3/2023	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS2		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS3		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS4		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS5		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS6		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS7		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS8		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS9		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS10		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS11		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS12		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS13		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS14		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS15		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS16		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS17		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS18		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS19		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS20		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS21		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS22		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS23		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS24		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS25		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS26		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS27		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS28		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS29		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS30		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS31		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS32		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS33		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS34		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS35		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS36		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS37		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS38		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS39		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS40		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS41		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS42		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS43		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS44		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS45		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS46		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS47		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS48		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0

AEA #

Table 3b: Frontier Field Services  
Summary of Confirmation Sample Results Smith Ranch (Maduro Area) nAPP2318638414

CS49	11/3/2023	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS50		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS51		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS52		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS53		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS54		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS55		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS56		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS57		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS58		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS59		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS60		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS61		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS62		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS63		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS64		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS65		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS66		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS67		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS68		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS69		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS70		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS71		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS72		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS73		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS74		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS75		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS76		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS77		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS78		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS79		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS80		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS81		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS82		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS83		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS84		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS85		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS86		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS87		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS88		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0

AEA #

Table 3b: Frontier Field Services  
Summary of Confirmation Sample Results Smith Ranch (Maduro Area) nAPP2318638414

CS89	11/3/2023	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS90		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS91		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS92		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS93		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	32.0
CS94		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS95		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS96		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS97		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS98		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS99		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS100		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS101		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS102		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS103		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS104		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS105		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS106		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS107		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS108		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS109		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS110		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS111		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS112		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS113		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS114		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS115		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS116		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS117		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS118		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS119		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS120		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS121		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS122		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS123		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS124		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CS125		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS126		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CS127		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW1		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CSW2		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW3		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW4		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW5		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0

AEA #

Table 3b:

Frontier Field Services

Summary of Confirmation Sample Results    Smith Ranch (Maduro Area) nAPP2318638414

CSW6	11/3/2023	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW7		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	16.0
CSW8		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW9		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW10		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW11		<0.350	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0
CSW12		<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	<16.0

--" = Not Analyzed

# APPENDIX A FORMS C141

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

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

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

Incident ID	nAPP2318638414
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Frontier Field Services	OGRID	221115
Contact Name	Lupe Carrasco	Contact Telephone	575-725-0787
Contact email	gcarrasco@durangomidstream.com	Incident # (assigned by OCD)	nAPP2318638414
Contact mailing address	47 Conoco Rd. Maljamar, NM 88264		

Location of Release Source

Latitude 32.629103 Longitude -103.691133  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Smith Ranch (Maduro Area)	Site Type	Pipeline
Date Release Discovered	6/28/23	API# (if applicable)	

Unit Letter	Section	Township	Range	County
L	29	19S	33E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Condensate	Volume Released (bbls) 9.64	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 120.78	Volume Recovered (Mcf) 0
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
Line deterioration

Incident ID	nAPP2318638414
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:          	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Lupe Carrasco</u>	Title: <u>Sr. Environmental Specialist</u>
Signature: <u><i>Lupe Carrasco</i></u>	Date: <u>7/5/23</u>
email: <u>gcarrasco@durangomidstream.com</u>	Telephone: <u>575-725-0787</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____	

Incident ID	nAPP2318638414
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?	<u>&lt;50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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



State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	nAPP2318638414
District RP	
Facility ID	
Application ID	

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: Lupe Carrasco Title: Sr. Environmental Specialist

Signature: Lupe Carrasco Date: 1/8/2024

email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP2318638414
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Lupe Carrasco Title: Sr. Environmental Specialist  
Signature: Lupe Carrasco Date: 1/8/2024  
email: gcarrasco@durangomidstream.com Telephone: 575-725-0787

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Gas Release Volume Calculator		
Date:	6/28/2023	
Site or Line Name:	Smith ranch (maduro) area 6" poly	
Area of Hole in Pipe:	0.25	square inches
Absolute Pressure:	90	psia - absolute pressure (psia = psig gauge pressure + 14.7)
Duration of Release:	240.00	minutes
Actual Temperature:	111	Degrees F
Representative Gas Analysis	Please attach or email a representative gas analysis	

Constants		
Temperature at standard conditions:	60	Deg. F
Pressure at standard conditions:	14.7	PSIA
Volume of Gas - Actual Conditions	120.78	MACF
Volume of Gas - Standard Conditions	673.38	MSCF

Notes
Entered by user
Calculated Value
Constant

Note:



## Liquid Volume Release Report

Liquid Release Volume Calculator							
Date:	6/28/2023						
Site or Line Name:	Smith ranch (Maduro area) 6" poly line.						
Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimated Barrels	Soil Type
Clay	0.15				0	0.00	Clay
Sandy Clay	0.12				0	0.00	Sandy Clay
Silt	0.16				0	0.00	Silt
Fine Sand	0.16	130	130	0.02	338	9.64	Fine Sand
Medium Sand	0.25				0	0.00	Medium Sand
Coarse Sand	0.26				0	0.00	Coarse Sand
Gravelly Sand	0.26				0	0.00	Gravelly Sand
Fine Gravel	0.26				0	0.00	Fine Gravel
Medium Gravel	0.20				0	0.00	Medium Gravel
Coarse Gravel	0.18				0	0.00	Coarse Gravel
Sandstone	0.25				0	0.00	Sandstone
Siltstone	0.18				0	0.00	Siltstone
Limestone	0.13				0	0.00	Limestone
Basalt	0.19				0	0.00	Basalt
Standing Liquids	X	0	0	0	0	0.00	Standing Liquids

Choose the one prevailing ground type for estimating spill volumes at a single location. Standing liquids are figured separately using the green cell.

Note that the depth should be measured in feet and tenths of feet (1 inch = .083)

Cubic Feet = L x W x D

Estimated Barrels = ((Cubic Feet x Porosity) / 5.61)

# APPENDIX B

## NMOSE WELLS REPORT



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

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

No records found.

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

**Easting (X):** 622782.41      **Northing (Y):** 3610926.75      **Radius:** 805

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

11/30/23 9:32 PM

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

---

No records found.

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 622782.41

**Northing (Y):** 3610926.75

**Radius:** 1200

---

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

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11/30/23 9:33 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# APPENDIX C

## LABORATORY ANALYTICAL RESULTS



Report to:  
Lynn Acosta



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Atkins Engineering Associates Inc.

Project Name: Smith Ranch

Work Order: E307162

Job Number: 20071-0001

Received: 7/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/1/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/1/23

Lynn Acosta  
2904 W. 2nd  
Roswell, NM 88201



Project Name: Smith Ranch  
Workorder: E307162  
Date Received: 7/28/2023 6:00:00AM

Lynn Acosta,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2023 6:00:00AM, under the Project Name: Smith Ranch.

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

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

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

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

Respectfully,

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## Sample Summary

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 08/01/23 15:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B1 - Surface	E307162-01A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B1 - 1'	E307162-02A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B1 - 2'	E307162-03A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B1 - 3'	E307162-04A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B1 - 4'	E307162-05A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - Surface	E307162-06A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - 1'	E307162-07A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - 2'	E307162-08A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - 3'	E307162-09A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - 4'	E307162-10A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B2 - 5'	E307162-11A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B3 - Surface	E307162-12A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B3 - 1'	E307162-13A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B3 - 2'	E307162-14A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B3 - 3'	E307162-15A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B3 - 4'	E307162-16A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B4 - Surface	E307162-17A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B4 - 1'	E307162-18A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B4 - 2'	E307162-19A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B4 - 3'	E307162-20A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:11:44PM

## B1 - Surface

## E307162-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	4.30	0.0500	2	07/28/23	07/31/23	
Toluene	1.94	0.0500	2	07/28/23	07/31/23	
o-Xylene	2.44	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	4.91	0.100	2	07/28/23	07/31/23	
Total Xylenes	7.35	0.0500	2	07/28/23	07/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	108 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	89.6	40.0	2	07/28/23	07/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.1 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	5910	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	2490	500	10	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	157 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	216	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B1 - 1'

E307162-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.4 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	199	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	125	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B1 - 2'

E307162-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.8 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	53.3	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	113 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/28/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B1 - 3'

E307162-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.9 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	106 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/28/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:11:44PM

**B1 - 4'****E307162-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.5 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>		112 %	50-200	07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B2 - Surface  
E307162-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.250	10	07/28/23	07/28/23	
Ethylbenzene	13.4	0.250	10	07/28/23	07/28/23	
Toluene	6.63	0.250	10	07/28/23	07/28/23	
o-Xylene	7.65	0.250	10	07/28/23	07/28/23	
p,m-Xylene	15.5	0.500	10	07/28/23	07/28/23	
Total Xylenes	23.2	0.250	10	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	292	200	10	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.8 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	12400	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	5730	500	10	07/28/23	07/30/23	
Surrogate: n-Nonane		186 %	50-200	07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	75.1	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B2 - 1'

E307162-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.132	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	5.81	0.0250	1	07/28/23	07/31/23	
Toluene	3.86	0.0250	1	07/28/23	07/31/23	
o-Xylene	3.18	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	6.15	0.0500	1	07/28/23	07/31/23	
Total Xylenes	9.33	0.0250	1	07/28/23	07/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	128 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	107	20.0	1	07/28/23	07/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.5 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	13100	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	5360	500	10	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	159 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	21.2	20.0	1	07/28/23	07/29/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:11:44PM

B2 - 2'

E307162-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.260	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	10.8	0.0500	2	07/28/23	07/31/23	
Toluene	7.25	0.0500	2	07/28/23	07/31/23	
o-Xylene	6.86	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	11.6	0.100	2	07/28/23	07/31/23	
Total Xylenes	18.5	0.0500	2	07/28/23	07/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	125 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	209	40.0	2	07/28/23	07/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	16100	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	6380	500	10	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	175 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B2 - 3'

E307162-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.599	0.125	5	07/28/23	07/31/23	
Ethylbenzene	16.6	0.125	5	07/28/23	07/31/23	
Toluene	14.0	0.125	5	07/28/23	07/31/23	
o-Xylene	8.54	0.125	5	07/28/23	07/31/23	
p,m-Xylene	17.3	0.250	5	07/28/23	07/31/23	
Total Xylenes	25.9	0.125	5	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	116 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	339	100	5	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.3 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	17300	1250	50	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	6490	2500	50	07/28/23	07/29/23	
Surrogate: n-Nonane	195 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B2 - 4'

E307162-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.516	0.250	10	07/28/23	07/28/23	
Ethylbenzene	40.2	0.250	10	07/28/23	07/28/23	
Toluene	21.6	0.250	10	07/28/23	07/28/23	
o-Xylene	22.9	0.250	10	07/28/23	07/28/23	
p,m-Xylene	44.2	0.500	10	07/28/23	07/28/23	
Total Xylenes	67.1	0.250	10	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	116 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	779	200	10	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.7 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	18000	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	7140	500	10	07/28/23	07/30/23	
Surrogate: n-Nonane	221 %	50-200		07/28/23	07/30/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B2 - 5'

E307162-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	1.27	0.250	10	07/28/23	07/28/23	
Ethylbenzene	50.7	0.250	10	07/28/23	07/28/23	
Toluene	34.1	0.250	10	07/28/23	07/28/23	
o-Xylene	30.3	0.250	10	07/28/23	07/28/23	
p,m-Xylene	54.1	0.500	10	07/28/23	07/28/23	
Total Xylenes	84.3	0.250	10	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID		115 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	915	200	10	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.7 %	70-130	07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	30100	500	20	07/28/23	07/31/23	
Oil Range Organics (C28-C36)	10900	1000	20	07/28/23	07/31/23	
Surrogate: n-Nonane		91.1 %	50-200	07/28/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B3 - Surface  
E307162-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	7.07	0.0500	2	07/28/23	07/31/23	
Toluene	2.72	0.0500	2	07/28/23	07/31/23	
o-Xylene	4.35	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	8.14	0.100	2	07/28/23	07/31/23	
Total Xylenes	12.5	0.0500	2	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	110 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	141	40.0	2	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.8 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	8360	250	10	07/28/23	07/31/23	
Oil Range Organics (C28-C36)	3830	500	10	07/28/23	07/31/23	
Surrogate: n-Nonane	157 %	50-200		07/28/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	120	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B3 - 1'

E307162-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.8 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	115 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	20.0	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B3 - 2'

E307162-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.8 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	100 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B3 - 3'

E307162-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	97.8 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B3 - 4'

E307162-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	ND	0.0250	1	07/28/23	07/28/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/28/23	
Toluene	ND	0.0250	1	07/28/23	07/28/23	
o-Xylene	ND	0.0250	1	07/28/23	07/28/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/28/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.4 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B4 - Surface  
E307162-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.268	0.250	10	07/28/23	07/28/23	
Ethylbenzene	17.7	0.250	10	07/28/23	07/28/23	
Toluene	9.67	0.250	10	07/28/23	07/28/23	
o-Xylene	9.38	0.250	10	07/28/23	07/28/23	
p,m-Xylene	19.4	0.500	10	07/28/23	07/28/23	
Total Xylenes	28.8	0.250	10	07/28/23	07/28/23	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	333	200	10	07/28/23	07/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.2 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	21800	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	10100	2500	50	07/28/23	07/30/23	
Surrogate: n-Nonane	218 %	50-200		07/28/23	07/30/23	S5
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	146	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B4 - 1'

E307162-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.208	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	13.9	0.0500	2	07/28/23	07/31/23	
Toluene	7.68	0.0500	2	07/28/23	07/31/23	
o-Xylene	7.93	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	15.6	0.100	2	07/28/23	07/31/23	
Total Xylenes	23.5	0.0500	2	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	128 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	282	40.0	2	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	10700	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	3910	500	10	07/28/23	07/30/23	
Surrogate: n-Nonane	196 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B4 - 2'

E307162-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.0856	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	8.20	0.0250	1	07/28/23	07/31/23	
Toluene	3.94	0.0250	1	07/28/23	07/31/23	
o-Xylene	5.32	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	9.25	0.0500	1	07/28/23	07/31/23	
Total Xylenes	14.6	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	151 %	70-130		07/28/23	07/31/23	SS
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	188	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	13700	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	5370	2500	50	07/28/23	07/30/23	
Surrogate: n-Nonane	177 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/31/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:11:44PM
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B4 - 3'

E307162-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Benzene	0.280	0.250	10	07/28/23	07/28/23	
Ethylbenzene	20.6	0.250	10	07/28/23	07/28/23	
Toluene	10.8	0.250	10	07/28/23	07/28/23	
o-Xylene	11.9	0.250	10	07/28/23	07/28/23	
p,m-Xylene	22.9	0.500	10	07/28/23	07/28/23	
Total Xylenes	34.8	0.250	10	07/28/23	07/28/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	113 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330116	
Gasoline Range Organics (C6-C10)	443	200	10	07/28/23	07/28/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	83.1 %	70-130		07/28/23	07/28/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330092	
Diesel Range Organics (C10-C28)	19600	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	7220	2500	50	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	241 %	50-200		07/28/23	07/30/23	S5
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330105	
Chloride	ND	20.0	1	07/28/23	07/31/23	



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:11:44PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330116-BLK1) Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.25		8.00		103	70-130			

LCS (2330116-BS1) Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.71	0.0250	5.00		94.3	70-130			
Toluene	4.86	0.0250	5.00		97.1	70-130			
o-Xylene	4.87	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.77	0.0500	10.0		97.7	70-130			
Total Xylenes	14.6	0.0250	15.0		97.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.10		8.00		101	70-130			

Matrix Spike (2330116-MS1) Source: E307162-07 Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	5.41	0.0250	5.00	0.132	106	54-133			
Ethylbenzene	10.7	0.0250	5.00	5.81	96.8	61-133			
Toluene	9.00	0.0250	5.00	3.86	103	61-130			
o-Xylene	8.52	0.0250	5.00	3.18	107	63-131			
p,m-Xylene	16.1	0.0500	10.0	6.15	99.8	63-131			
Total Xylenes	24.7	0.0250	15.0	9.33	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	9.49		8.00		119	70-130			

Matrix Spike Dup (2330116-MSD1) Source: E307162-07 Prepared: 07/28/23 Analyzed: 07/29/23

Benzene	5.24	0.0250	5.00	0.132	102	54-133	3.20	20	
Ethylbenzene	10.9	0.0250	5.00	5.81	101	61-133	1.92	20	
Toluene	9.06	0.0250	5.00	3.86	104	61-130	0.739	20	
o-Xylene	8.66	0.0250	5.00	3.18	110	63-131	1.61	20	
p,m-Xylene	16.3	0.0500	10.0	6.15	102	63-131	1.32	20	
Total Xylenes	25.0	0.0250	15.0	9.33	104	63-131	1.42	20	
Surrogate: 4-Bromochlorobenzene-PID	9.61		8.00		120	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:11:44PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2330116-BLK1) Prepared: 07/28/23 Analyzed: 07/29/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.8	70-130			

LCS (2330116-BS2) Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.69		8.00		83.7	70-130			

Matrix Spike (2330116-MS2) Source: E307162-07 Prepared: 07/28/23 Analyzed: 07/29/23

Gasoline Range Organics (C6-C10)	127	20.0	50.0	107	40.5	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			

Matrix Spike Dup (2330116-MSD2) Source: E307162-07 Prepared: 07/28/23 Analyzed: 07/29/23

Gasoline Range Organics (C6-C10)	152	20.0	50.0	107	90.9	70-130	18.0	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.80		8.00		85.0	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:11:44PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2330092-BLK1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.6		50.0		117	50-200			

LCS (2330092-BS1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

Matrix Spike (2330092-MS1)					Source: E307162-09		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	18100	1250	250	17300	352	38-132			M4
Surrogate: n-Nonane	91.3		50.0		183	50-200			

Matrix Spike Dup (2330092-MSD1)					Source: E307162-09		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	17900	1250	250	17300	266	38-132	1.20	20	M4
Surrogate: n-Nonane	92.7		50.0		185	50-200			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:11:44PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330105-BLK1)					Prepared: 07/28/23 Analyzed: 07/28/23				
Chloride	ND	20.0							
LCS (2330105-BS1)					Prepared: 07/28/23 Analyzed: 07/28/23				
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2330105-MS1)					Source: E307162-01		Prepared: 07/28/23 Analyzed: 07/28/23		
Chloride	468	20.0	250	216	101	80-120			
Matrix Spike Dup (2330105-MSD1)					Source: E307162-01		Prepared: 07/28/23 Analyzed: 07/28/23		
Chloride	459	20.0	250	216	97.4	80-120	1.94	20	

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



Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	
2904 W. 2nd	Project Number:	20071-0001	Reported:
Roswell NM, 88201	Project Manager:	Lynn Acosta	08/01/23 15:11

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



## Project Information

## Chain of Custody

Page 1 of 6

Client: <u>ATKINS Engineering</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Smith Ranch</u>		Attention: <u>ATKINS Engineering</u>		Lab WO# <u>E307142</u>		Job Number <u>2007-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gym Acosta</u>		Address:		Analysis and Method									
Address:		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip		Phone:		Chloride 300.0									
Phone:		Email:											
Email:													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO	GRO/DRO	BTEX by	VOC by	Metals	Chloride															Remarks
	7/24/23	Soil	1	B1 - Surface	1	X	X	X			X															
				B1 - 1'	2																					
				B1 - 2'	3																					
				B1 - 3'	4																					
				B1 - 4'	5																					
				B2 - Surface	6																					
				B2 - 1'	7																					
				B2 - 2'	8																					
				B2 - 3'	9																					
				B2 - 4'	10																					

## Additional Instructions:

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

Sampled by: Gym Acosta

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

Relinquished by: (Signature) <u>Gym Acosta</u>	Date <u>7/24/23</u>	Time <u>1130</u>	Received by: (Signature) <u>Michelle Gungor</u>	Date <u>7-27-23</u>	Time <u>1130</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gungor</u>	Date <u>7-27-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Michelle Gungor</u>	Date <u>7-27-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Michelle Gungor</u>	Date <u>7-27-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Michelle Gungor</u>	Date <u>7/28/23</u>	Time <u>16:00</u>	

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

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

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





## Project Information

## Chain of Custody

Page 2 of 6

Client: <u>Atkins</u>				Bill To				Lab Use Only				TAT				EPA Program											
Project: <u>Smith Ranch</u>				Attention: <u>Atkins</u>				Lab WO# <u>E307162</u>				Job Number <u>20071-0001</u>				1D		2D		3D		Standard		CWA		SDWA	
Project Manager: <u>Lynn Acosta</u>				Address:				Analysis and Method														RCRA					
Address:				City, State, Zip																							
City, State, Zip				Phone:																							
Phone:				Email:																							
Report due by:																											

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks												
	7/24/23	Soil	1	B2-S'	11	X	X	X			X													
				<sup>LA 7/11/23</sup> B2 B3-Surface	12																			
				B3-1'	13																			
				B3-2'	14																			
				B3-3'	15																			
				B3-4'	16																			
				B4-Surface	17																			
				B4-1'	18																			
				B4-2'	19																			
				B4-3'	20																			

**Additional Instructions:**

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

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

Relinquished by: (Signature) <u>Lynn Acosta</u>	Date <u>7/24/23</u>	Time <u>1130</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>7-27-23</u>	Time <u>1130</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Campbell</u>	Date <u>7-27-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Michelle Campbell</u>	Date <u>7-27-23</u>	Time <u>1730</u>	
Relinquished by: (Signature) <u>Andrew M550</u>	Date <u>7-27-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Castle Man</u>	Date <u>7/28/23</u>	Time <u>10:00</u>	

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

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

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



## Envirotech Analytical Laboratory

Printed: 7/28/2023 10:01:56AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/28/23 06:00	Work Order ID:	E307162
Phone:	(575) 626-3993	Date Logged In:	07/27/23 15:34	Logged In By:	Caitlin Mars
Email:		Due Date:	08/01/23 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Smith Ranch has been separated into 3 reports due to high sample volume. Workorders are as follows: E307162, E307163, E307164. Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Lynn Acosta



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Atkins Engineering Associates Inc.

Project Name: Smith Ranch

Work Order: E307163

Job Number: 20071-0001

Received: 7/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/1/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/1/23

Lynn Acosta  
2904 W. 2nd  
Roswell, NM 88201



Project Name: Smith Ranch  
Workorder: E307163  
Date Received: 7/28/2023 6:00:00AM

Lynn Acosta,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2023 6:00:00AM, under the Project Name: Smith Ranch.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Alexa Michaels**  
Sample Custody Officer  
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**Lynn Jarboe**  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 08/01/23 15:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B4 - 4'	E307163-01A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B5 - Surface	E307163-02A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B5 - 0.5'	E307163-03A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B6 - Surface	E307163-04A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B6 - 0.5'	E307163-05A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B7 - Surface	E307163-06A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B7 - 0.5'	E307163-07A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B8 - Surface	E307163-08A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B8 - 0.5'	E307163-09A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B9 - Surface	E307163-10A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B9 - 0.5'	E307163-11A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B10 - Surface	E307163-12A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B10 - 0.5'	E307163-13A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B11 - Surface	E307163-14A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B11 - 0.5'	E307163-15A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B12 - Surface	E307163-16A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B12 - 0.5'	E307163-17A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B13 - Surface	E307163-18A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B13 - 0.5'	E307163-19A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B14 - Surface	E307163-20A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.



## Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	<b>Reported:</b> 8/1/2023 3:08:03PM
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## B4 - 4'

## E307163-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	0.291	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	13.2	0.0250	1	07/28/23	07/29/23	
Toluene	7.38	0.0250	1	07/28/23	07/29/23	
o-Xylene	8.91	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	14.2	0.0500	1	07/28/23	07/29/23	
Total Xylenes	23.1	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	145 %	70-130		07/28/23	07/29/23	S3
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	241	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	17800	500	20	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	6270	1000	20	07/28/23	07/30/23	
Surrogate: n-Nonane	174 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B5 - Surface  
E307163-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	0.861	0.0250	1	07/28/23	07/31/23	
Toluene	0.305	0.0250	1	07/28/23	07/31/23	
o-Xylene	0.662	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	1.06	0.0500	1	07/28/23	07/31/23	
Total Xylenes	1.72	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	24.4	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		75.0 %	70-130	07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	865	125	5	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	610	250	5	07/28/23	07/30/23	
Surrogate: n-Nonane		94.7 %	50-200	07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	136	20.0	1	07/28/23	07/28/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:08:03PM

B5 - 0.5'

E307163-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.107	0.0250	1	07/28/23	07/29/23	
Toluene	0.0651	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.0662	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.112	0.0500	1	07/28/23	07/29/23	
Total Xylenes	0.178	0.0250	1	07/28/23	07/29/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.3 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	68.8	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	97.6 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B6 - Surface  
E307163-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	0.0352	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	2.23	0.0250	1	07/28/23	07/29/23	
Toluene	0.788	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.29	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	2.32	0.0500	1	07/28/23	07/29/23	
Total Xylenes	3.61	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	109 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	42.5	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.8 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	50.6	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	97.5 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B6 - 0.5'

E307163-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.0402	0.0250	1	07/28/23	07/29/23	
Toluene	0.0411	0.0250	1	07/28/23	07/29/23	
o-Xylene	ND	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/29/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.4 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	94.3 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B7 - Surface  
E307163-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	1.62	0.0250	1	07/28/23	07/29/23	
Toluene	0.620	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.15	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	1.86	0.0500	1	07/28/23	07/29/23	
Total Xylenes	3.00	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	36.5	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.8 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	1770	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	2500	50	07/28/23	07/30/23	
Surrogate: n-Nonane	107 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B7 - 0.5'

E307163-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.0936	0.0250	1	07/28/23	07/29/23	
Toluene	0.0358	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.0617	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.0988	0.0500	1	07/28/23	07/29/23	
Total Xylenes	0.160	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.0 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	68.4	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	93.8 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B8 - Surface  
E307163-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	0.0304	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	2.10	0.0250	1	07/28/23	07/29/23	
Toluene	0.726	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.28	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	2.24	0.0500	1	07/28/23	07/29/23	
Total Xylenes	3.52	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	116 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	37.3	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.6 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	217	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	64.9	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	94.2 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	20.8	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B8 - 0.5'

E307163-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	1.06	0.0250	1	07/28/23	07/29/23	
Toluene	0.366	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.680	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	1.15	0.0500	1	07/28/23	07/29/23	
Total Xylenes	1.83	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	28.3	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.4 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	68.9	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane		94.9 %	50-200	07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B9 - Surface  
E307163-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	1.12	0.0250	1	07/28/23	07/29/23	
Toluene	0.415	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.800	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	1.24	0.0500	1	07/28/23	07/29/23	
Total Xylenes	2.04	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	113 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	29.8	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.2 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	297	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	161	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	97.4 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	41.3	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B9 - 0.5'

E307163-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.193	0.0250	1	07/28/23	07/29/23	
Toluene	0.144	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.0972	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.179	0.0500	1	07/28/23	07/29/23	
Total Xylenes	0.277	0.0250	1	07/28/23	07/29/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	105 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.3 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B10 - Surface  
E307163-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	0.0469	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	3.78	0.0250	1	07/28/23	07/29/23	
Toluene	1.51	0.0250	1	07/28/23	07/29/23	
o-Xylene	2.38	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	3.99	0.0500	1	07/28/23	07/29/23	
Total Xylenes	6.37	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	125 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	79.4	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.2 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	194	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
Surrogate: n-Nonane	98.1 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/28/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B10 - 0.5'

E307163-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.139	0.0250	1	07/28/23	07/29/23	
Toluene	0.0806	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.0885	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.147	0.0500	1	07/28/23	07/29/23	
Total Xylenes	0.235	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.6 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	29.1	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
Surrogate: n-Nonane	92.1 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/29/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B11 - Surface  
E307163-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.776	0.0250	1	07/28/23	07/29/23	
Toluene	0.213	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.556	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.887	0.0500	1	07/28/23	07/29/23	
Total Xylenes	1.44	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.7 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	371	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	241	50.0	1	07/28/23	07/30/23	
Surrogate: n-Nonane	95.9 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	38.4	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B11 - 0.5'

E307163-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.0713	0.0250	1	07/28/23	07/29/23	
Toluene	0.0442	0.0250	1	07/28/23	07/29/23	
o-Xylene	0.0466	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	0.0713	0.0500	1	07/28/23	07/29/23	
Total Xylenes	0.118	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.3 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	36.8	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
Surrogate: n-Nonane	94.3 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B12 - Surface  
E307163-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	1.96	0.0250	1	07/28/23	07/29/23	
Toluene	0.568	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.43	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	2.49	0.0500	1	07/28/23	07/29/23	
Total Xylenes	3.92	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	111 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	54.0	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	83.9 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	1910	500	20	07/28/23	07/31/23	
Oil Range Organics (C28-C36)	1350	1000	20	07/28/23	07/31/23	
Surrogate: n-Nonane	103 %	50-200		07/28/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	38.5	20.0	1	07/28/23	07/29/23	

Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B12 - 0.5'

E307163-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	0.0303	0.0250	1	07/28/23	07/29/23	
Toluene	ND	0.0250	1	07/28/23	07/29/23	
o-Xylene	ND	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/29/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	81.9 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
Surrogate: n-Nonane	98.5 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B13 - Surface  
E307163-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	2.55	0.0250	1	07/28/23	07/29/23	
Toluene	1.01	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.67	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	2.96	0.0500	1	07/28/23	07/29/23	
Total Xylenes	4.63	0.0250	1	07/28/23	07/29/23	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	54.6	20.0	1	07/28/23	07/29/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.1 %	70-130		07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	5030	250	10	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	2660	500	10	07/28/23	07/30/23	
Surrogate: n-Nonane	121 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	73.7	20.0	1	07/28/23	07/29/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:08:03PM

B13 - 0.5'

E307163-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330117
Benzene	ND	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	ND	0.0250	1	07/28/23	07/29/23	
Toluene	ND	0.0250	1	07/28/23	07/29/23	
o-Xylene	ND	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	ND	0.0500	1	07/28/23	07/29/23	
Total Xylenes	ND	0.0250	1	07/28/23	07/29/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330117
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/29/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.7 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2330093
Diesel Range Organics (C10-C28)	65.3	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330107
Chloride	ND	20.0	1	07/28/23	07/29/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:08:03PM
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B14 - Surface  
E307163-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Benzene	0.0275	0.0250	1	07/28/23	07/29/23	
Ethylbenzene	2.16	0.0250	1	07/28/23	07/29/23	
Toluene	0.928	0.0250	1	07/28/23	07/29/23	
o-Xylene	1.69	0.0250	1	07/28/23	07/29/23	
p,m-Xylene	2.36	0.0500	1	07/28/23	07/29/23	
Total Xylenes	4.05	0.0250	1	07/28/23	07/29/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330117	
Gasoline Range Organics (C6-C10)	46.3	20.0	1	07/28/23	07/29/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.8 %	70-130	07/28/23	07/29/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2330093	
Diesel Range Organics (C10-C28)	1810	500	20	07/28/23	07/31/23	
Oil Range Organics (C28-C36)	1270	1000	20	07/28/23	07/31/23	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	07/28/23	07/31/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330107	
Chloride	ND	20.0	1	07/28/23	07/29/23	





QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:08:03PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330117-BLK1) Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.34		8.00		104	70-130			

LCS (2330117-BS1) Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	4.95	0.0250	5.00		98.9	70-130			
Ethylbenzene	4.82	0.0250	5.00		96.4	70-130			
Toluene	4.98	0.0250	5.00		99.5	70-130			
o-Xylene	4.98	0.0250	5.00		99.7	70-130			
p,m-Xylene	9.97	0.0500	10.0		99.7	70-130			
Total Xylenes	15.0	0.0250	15.0		99.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		104	70-130			

Matrix Spike (2330117-MS1) Source: E307163-04 Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	4.79	0.0250	5.00	0.0352	95.1	54-133			
Ethylbenzene	6.68	0.0250	5.00	2.23	89.1	61-133			
Toluene	5.55	0.0250	5.00	0.788	95.3	61-130			
o-Xylene	5.97	0.0250	5.00	1.29	93.6	63-131			
p,m-Xylene	11.7	0.0500	10.0	2.32	93.8	63-131			
Total Xylenes	17.7	0.0250	15.0	3.61	93.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.69		8.00		109	70-130			

Matrix Spike Dup (2330117-MSD1) Source: E307163-04 Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	4.84	0.0250	5.00	0.0352	96.0	54-133	0.984	20	
Ethylbenzene	6.70	0.0250	5.00	2.23	89.4	61-133	0.250	20	
Toluene	5.50	0.0250	5.00	0.788	94.2	61-130	1.03	20	
o-Xylene	6.03	0.0250	5.00	1.29	94.7	63-131	0.897	20	
p,m-Xylene	11.8	0.0500	10.0	2.32	95.1	63-131	1.13	20	
Total Xylenes	17.9	0.0250	15.0	3.61	95.0	63-131	1.05	20	
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:08:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330117-BLK1) Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.58		8.00		82.2	70-130			

LCS (2330117-BS2) Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		90.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

Matrix Spike (2330117-MS2) Source: E307163-04 Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	143	20.0	50.0	42.5	200	70-130			M1
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.98		8.00		125	70-130			

Matrix Spike Dup (2330117-MSD2) Source: E307163-04 Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	83.4	20.0	50.0	42.5	81.9	70-130	52.3	20	R3
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.21		8.00		77.6	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:08:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330093-BLK1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

LCS (2330093-BS1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	247	25.0	250		98.7	38-132			
Surrogate: n-Nonane	47.2		50.0		94.5	50-200			

Matrix Spike (2330093-MS1)					Source: E307163-13		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	286	25.0	250	29.1	103	38-132			
Surrogate: n-Nonane	47.6		50.0		95.1	50-200			

Matrix Spike Dup (2330093-MSD1)					Source: E307163-13		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	287	25.0	250	29.1	103	38-132	0.263	20	
Surrogate: n-Nonane	46.8		50.0		93.6	50-200			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:08:03PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2330107-BLK1)					Prepared: 07/28/23 Analyzed: 07/28/23				
Chloride	ND	20.0							
LCS (2330107-BS1)					Prepared: 07/28/23 Analyzed: 07/28/23				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2330107-MS1)					Source: E307163-01		Prepared: 07/28/23 Analyzed: 07/28/23		
Chloride	264	20.0	250	ND	105	80-120			
Matrix Spike Dup (2330107-MSD1)					Source: E307163-01		Prepared: 07/28/23 Analyzed: 07/28/23		
Chloride	260	20.0	250	ND	104	80-120	1.50	20	

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



Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	
2904 W. 2nd	Project Number:	20071-0001	Reported:
Roswell NM, 88201	Project Manager:	Lynn Acosta	08/01/23 15:08

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- S3 Surrogate spike recovery was outside acceptance limits. LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 3 of 6

Client: <u>Atkins</u>				Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Smith Ranch</u>				Attention: <u>Atkins</u>		Lab WO# <u>E 307163</u>		Job Number <u>20071-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Lynn Acosta</u>				Address:								<input checked="" type="checkbox"/>			
Address:				City, State, Zip										RCRA	
City, State, Zip				Phone:											
Phone:				Email:											
Email:															
Report due by:															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
	7/24/23	Soil	1	B4-4'	1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>					
				B5 - Surface	2										
				B5 - 0.5'	3										
				B6 - Surface	4										
				B6 - 0.5'	5										
				B7 - Surface	6										
				B7 - 0.5'	7										
				B8 - Surface	8										
				B8 - 0.5'	9										
				B9 - Surface	10										
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Sampled by: <u>Lynn A. Acosta</u>															
Relinquished by: (Signature) <u>Lynn A. Acosta</u>		Date <u>7/27/23</u>	Time <u>1130</u>	Received by: (Signature) <u>Micelle Gonzales</u>		Date <u>7-27-23</u>	Time <u>1130</u>	Lab Use Only							
Relinquished by: (Signature) <u>Micelle Gonzales</u>		Date <u>7-27-23</u>	Time <u>1700</u>	Received by: (Signature) <u>Micelle Gonzales</u>		Date <u>7-27-23</u>	Time <u>1730</u>	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N							
Relinquished by: (Signature) <u>Micelle Gonzales</u>		Date <u>7-27-23</u>	Time <u>2330</u>	Received by: (Signature) <u>Carla M. Moore</u>		Date <u>7/28/23</u>	Time <u>6:00</u>	T1 _____ T2 _____ T3 _____							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												AVG Temp °C <u>4</u>			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



## Project Information

## Chain of Custody

Page 4 of 6

Client: <u>ATKINS</u>				Bill To		Lab Use Only		TAT			EPA Program				
Project: <u>Smith Ranch</u>				Attention: <u>ATKINS</u>		Lab WO# <u>E307143</u>		Job Number <u>20071-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Lynn Acosta</u>				Address:								X			
Address:				City, State, Zip										RCRA	
City, State, Zip				Phone:											
Phone:				Email:											
Email:															
Report due by:															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
	7/24/23	Soil	1	B9-0.5'	11	X	X	X			X				
				B10 - Surface	12										
				B10 - 0.5'	13										
				B11 - Surface	14										
				B11 - 0.5'	15										
				B12 - Surface	16										
				B12 - 0.5'	17										
				B13 - Surface	18										
				B13 - 0.5'	19										
				<sup>Lab 7/26/23</sup> B13 B14 - Surface	20										
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Sampled by: <u>Lynn Acosta</u>															
Relinquished by: (Signature) <u>Lynn Acosta</u>		Date	Time	Received by: (Signature) <u>Michelle Gonzalez</u>		Date	Time	Lab Use Only Received on ice: <u>(Y)</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature) <u>Michelle Gonzalez</u>		Date	Time	Received by: (Signature) <u>Maria M. 550</u>		Date	Time								
Relinquished by: (Signature) <u>Maria M. 550</u>		Date	Time	Received by: (Signature) <u>Antonia Man</u>		Date	Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



## Envirotech Analytical Laboratory

Printed: 7/28/2023 10:04:04AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/28/23 06:00	Work Order ID:	E307163
Phone:	(575) 626-3993	Date Logged In:	07/27/23 15:38	Logged In By:	Caitlin Mars
Email:		Due Date:	08/01/23 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Project Smith Ranch has been separated into 3 reports due to high sample volume. Workorders are as follows: E307162, E307163, E307164. Time sampled not provided on COC per client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? No
  - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Lynn Acosta



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Atkins Engineering Associates Inc.

Project Name: Smith Ranch

Work Order: E307164

Job Number: 20071-0001

Received: 7/28/2023

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/1/23

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/1/23

Lynn Acosta  
2904 W. 2nd  
Roswell, NM 88201



Project Name: Smith Ranch  
Workorder: E307164  
Date Received: 7/28/2023 6:00:00AM

Lynn Acosta,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/28/2023 6:00:00AM, under the Project Name: Smith Ranch.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**  
**Lynn Jarboe**  
Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**West Texas Midland/Odessa Area**  
**Rayny Hagan**  
Technical Representative  
Office: 505-421-LABS(5227)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 08/01/23 15:43
--	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
B14 - 0.5'	E307164-01A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B15 - Surface	E307164-02A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B15 - 0.5'	E307164-03A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B16 - Surface	E307164-04A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B16 - 0.5'	E307164-05A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B17 - Surface	E307164-06A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B17 - 0.5'	E307164-07A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B18 - Surface	E307164-08A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B18 - 0.5'	E307164-09A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B19 - Surface	E307164-10A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B19 - 0.5'	E307164-11A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 0.5'	E307164-12A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 1'	E307164-13A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 2'	E307164-14A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 3'	E307164-15A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 4'	E307164-16A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.
B20 - 5'	E307164-17A	Soil	07/24/23	07/28/23	Glass Jar, 2 oz.



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:43:36PM

B14 - 0.5'

E307164-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	0.415	0.0250	1	07/28/23	07/31/23	
Toluene	0.118	0.0250	1	07/28/23	07/31/23	
o-Xylene	0.297	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	0.540	0.0500	1	07/28/23	07/31/23	
Total Xylenes	0.836	0.0250	1	07/28/23	07/31/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	101 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/31/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	187	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B15 - Surface  
E307164-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.312	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	8.60	0.0250	1	07/28/23	07/31/23	
Toluene	7.11	0.0250	1	07/28/23	07/31/23	
o-Xylene	3.76	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	8.66	0.0500	1	07/28/23	07/31/23	
Total Xylenes	12.4	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	133	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	106 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	192	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	133	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	98.0 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B15 - 0.5'

E307164-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	0.107	0.0250	1	07/28/23	07/31/23	
Toluene	0.0682	0.0250	1	07/28/23	07/31/23	
o-Xylene	0.0662	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	0.100	0.0500	1	07/28/23	07/31/23	
Total Xylenes	0.166	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	58.2	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	93.7 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B16 - Surface  
E307164-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.0899	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	5.24	0.0500	2	07/28/23	07/31/23	
Toluene	2.56	0.0500	2	07/28/23	07/31/23	
o-Xylene	2.95	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	5.50	0.100	2	07/28/23	07/31/23	
Total Xylenes	8.45	0.0500	2	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	84.3	40.0	2	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	489	125	5	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	409	250	5	07/28/23	07/30/23	
Surrogate: n-Nonane	96.7 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B16 - 0.5'

E307164-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	0.348	0.0250	1	07/28/23	07/31/23	
Toluene	0.130	0.0250	1	07/28/23	07/31/23	
o-Xylene	0.246	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	0.453	0.0500	1	07/28/23	07/31/23	
Total Xylenes	0.698	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	94.4	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	93.5 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B17 - Surface  
E307164-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.0836	0.0500	2	07/28/23	07/31/23	
Ethylbenzene	4.94	0.0500	2	07/28/23	07/31/23	
Toluene	2.42	0.0500	2	07/28/23	07/31/23	
o-Xylene	2.89	0.0500	2	07/28/23	07/31/23	
p,m-Xylene	5.08	0.100	2	07/28/23	07/31/23	
Total Xylenes	7.97	0.0500	2	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	78.0	40.0	2	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	374	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	251	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	102 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	

Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B17 - 0.5'

E307164-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	07/31/23	
Ethylbenzene	0.840	0.0250	1	07/28/23	07/31/23	
Toluene	0.299	0.0250	1	07/28/23	07/31/23	
o-Xylene	0.532	0.0250	1	07/28/23	07/31/23	
p,m-Xylene	0.982	0.0500	1	07/28/23	07/31/23	
Total Xylenes	1.51	0.0250	1	07/28/23	07/31/23	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	24.3	20.0	1	07/28/23	07/31/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.4 %	70-130	07/28/23	07/31/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	67.5	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane		93.3 %	50-200	07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B18 - Surface  
E307164-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.0598	0.0500	2	07/28/23	08/01/23	
Ethylbenzene	5.00	0.0500	2	07/28/23	08/01/23	
Toluene	2.12	0.0500	2	07/28/23	08/01/23	
o-Xylene	3.25	0.0500	2	07/28/23	08/01/23	
p,m-Xylene	5.45	0.100	2	07/28/23	08/01/23	
Total Xylenes	8.70	0.0500	2	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	87.7	40.0	2	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	1110	125	5	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	805	250	5	07/28/23	07/30/23	
Surrogate: n-Nonane	127 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	





Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B18 - 0.5'

E307164-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	0.960	0.0250	1	07/28/23	08/01/23	
Toluene	0.292	0.0250	1	07/28/23	08/01/23	
o-Xylene	0.634	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	1.05	0.0500	1	07/28/23	08/01/23	
Total Xylenes	1.68	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	23.3	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	31.8	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B19 - Surface  
E307164-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.126	0.0500	2	07/28/23	08/01/23	
Ethylbenzene	7.20	0.0500	2	07/28/23	08/01/23	
Toluene	4.02	0.0500	2	07/28/23	08/01/23	
o-Xylene	4.14	0.0500	2	07/28/23	08/01/23	
p,m-Xylene	8.58	0.100	2	07/28/23	08/01/23	
Total Xylenes	12.7	0.0500	2	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	173	40.0	2	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.5 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	3370	125	5	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	3090	250	5	07/28/23	07/30/23	
Surrogate: n-Nonane	126 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:43:36PM

B19 - 0.5'

E307164-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330118
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	1.80	0.0250	1	07/28/23	08/01/23	
Toluene	0.429	0.0250	1	07/28/23	08/01/23	
o-Xylene	1.09	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	2.09	0.0500	1	07/28/23	08/01/23	
Total Xylenes	3.18	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2330118
Gasoline Range Organics (C6-C10)	44.2	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.3 %	70-130	07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2330094
Diesel Range Organics (C10-C28)	115	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
<i>Surrogate: n-Nonane</i>						
		99.4 %	50-200	07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2330109
Chloride	ND	20.0	1	07/28/23	07/31/23	



## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:43:36PM

B20 - 0.5'

E307164-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.125	5	07/28/23	08/01/23	
Ethylbenzene	6.32	0.125	5	07/28/23	08/01/23	
Toluene	3.30	0.125	5	07/28/23	08/01/23	
o-Xylene	3.79	0.125	5	07/28/23	08/01/23	
p,m-Xylene	7.66	0.250	5	07/28/23	08/01/23	
Total Xylenes	11.4	0.125	5	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	152	100	5	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	7490	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	4540	2500	50	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B20 - 1'

E307164-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.196	0.125	5	07/28/23	08/01/23	
Ethylbenzene	17.0	0.125	5	07/28/23	08/01/23	
Toluene	9.51	0.125	5	07/28/23	08/01/23	
o-Xylene	10.0	0.125	5	07/28/23	08/01/23	
p,m-Xylene	19.9	0.250	5	07/28/23	08/01/23	
Total Xylenes	29.9	0.125	5	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	414	100	5	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	14300	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	5560	2500	50	07/28/23	07/30/23	
Surrogate: n-Nonane	172 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B20 - 2'

E307164-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.157	0.125	5	07/28/23	08/01/23	
Ethylbenzene	5.30	0.125	5	07/28/23	08/01/23	
Toluene	3.16	0.125	5	07/28/23	08/01/23	
o-Xylene	3.62	0.125	5	07/28/23	08/01/23	
p,m-Xylene	6.16	0.250	5	07/28/23	08/01/23	
Total Xylenes	9.78	0.125	5	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	192	100	5	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.6 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	12300	1250	50	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	4510	2500	50	07/28/23	07/30/23	
Surrogate: n-Nonane	132 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B20 - 3'

E307164-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	0.0351	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	0.205	0.0250	1	07/28/23	08/01/23	
Toluene	0.124	0.0250	1	07/28/23	08/01/23	
o-Xylene	0.196	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	0.202	0.0500	1	07/28/23	08/01/23	
Total Xylenes	0.398	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	783	125	5	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	442	250	5	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



Sample Data

Atkins Engineering Associates Inc. 2904 W. 2nd Roswell NM, 88201	Project Name: Smith Ranch Project Number: 20071-0001 Project Manager: Lynn Acosta	Reported: 8/1/2023 3:43:36PM
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B20 - 4'

E307164-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.9 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/29/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/29/23	
Surrogate: n-Nonane	86.6 %	50-200		07/28/23	07/29/23	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	





## Sample Data

Atkins Engineering Associates Inc.  
2904 W. 2nd  
Roswell NM, 88201

Project Name: Smith Ranch  
Project Number: 20071-0001  
Project Manager: Lynn Acosta

**Reported:**  
8/1/2023 3:43:36PM

B20 - 5'

E307164-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Benzene	ND	0.0250	1	07/28/23	08/01/23	
Ethylbenzene	ND	0.0250	1	07/28/23	08/01/23	
Toluene	ND	0.0250	1	07/28/23	08/01/23	
o-Xylene	ND	0.0250	1	07/28/23	08/01/23	
p,m-Xylene	ND	0.0500	1	07/28/23	08/01/23	
Total Xylenes	ND	0.0250	1	07/28/23	08/01/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2330118	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/28/23	08/01/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		07/28/23	08/01/23	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2330094	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/28/23	07/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	07/28/23	07/30/23	
<i>Surrogate: n-Nonane</i>						
	92.2 %	50-200		07/28/23	07/30/23	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2330109	
Chloride	ND	20.0	1	07/28/23	07/31/23	



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:43:36PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330118-BLK1)

Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

LCS (2330118-BS1)

Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	4.70	0.0250	5.00		94.0	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.5	70-130			
Toluene	4.74	0.0250	5.00		94.9	70-130			
o-Xylene	4.69	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.84		8.00		98.0	70-130			

Matrix Spike (2330118-MS1)

Source: E307164-05

Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	5.36	0.0250	5.00	0.348	100	61-133			
Toluene	5.23	0.0250	5.00	0.130	102	61-130			
o-Xylene	5.32	0.0250	5.00	0.246	101	63-131			
p,m-Xylene	10.6	0.0500	10.0	0.453	102	63-131			
Total Xylenes	15.9	0.0250	15.0	0.698	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.37		8.00		105	70-130			

Matrix Spike Dup (2330118-MSD1)

Source: E307164-05

Prepared: 07/28/23 Analyzed: 07/31/23

Benzene	5.06	0.0250	5.00	ND	101	54-133	1.15	20	
Ethylbenzene	5.29	0.0250	5.00	0.348	98.8	61-133	1.26	20	
Toluene	5.16	0.0250	5.00	0.130	101	61-130	1.28	20	
o-Xylene	5.28	0.0250	5.00	0.246	101	63-131	0.781	20	
p,m-Xylene	10.5	0.0500	10.0	0.453	100	63-131	1.12	20	
Total Xylenes	15.8	0.0250	15.0	0.698	101	63-131	1.01	20	
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:43:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330118-BLK1) Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.8	70-130			

LCS (2330118-BS2) Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

Matrix Spike (2330118-MS2) Source: E307164-05 Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	71.8	20.0	50.0	ND	144	70-130			M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike Dup (2330118-MSD2) Source: E307164-05 Prepared: 07/28/23 Analyzed: 07/31/23

Gasoline Range Organics (C6-C10)	68.9	20.0	50.0	ND	138	70-130	4.20	20	M6
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.1	70-130			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:43:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2330094-BLK1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.5		50.0		91.1	50-200			

LCS (2330094-BS1)					Prepared: 07/28/23 Analyzed: 07/29/23				
Diesel Range Organics (C10-C28)	236	25.0	250		94.4	38-132			
Surrogate: n-Nonane	43.3		50.0		86.6	50-200			

Matrix Spike (2330094-MS1)					Source: E307164-17		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	42.9		50.0		85.7	50-200			

Matrix Spike Dup (2330094-MSD1)					Source: E307164-17		Prepared: 07/28/23 Analyzed: 07/29/23		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132	4.27	20	
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			



QC Summary Data

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	Reported:
2904 W. 2nd	Project Number:	20071-0001	
Roswell NM, 88201	Project Manager:	Lynn Acosta	8/1/2023 3:43:36PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2330109-BLK1)					Prepared: 07/28/23 Analyzed: 07/31/23				
Chloride	ND	20.0							
LCS (2330109-BS1)					Prepared: 07/28/23 Analyzed: 07/31/23				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2330109-MS1)					Source: E307164-01		Prepared: 07/28/23 Analyzed: 07/31/23		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2330109-MSD1)					Source: E307164-01		Prepared: 07/28/23 Analyzed: 07/31/23		
Chloride	257	20.0	250	ND	103	80-120	0.417	20	

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



Definitions and Notes

Atkins Engineering Associates Inc.	Project Name:	Smith Ranch	
2904 W. 2nd	Project Number:	20071-0001	Reported:
Roswell NM, 88201	Project Manager:	Lynn Acosta	08/01/23 15:43

- M6 Matrix spike recovery has a high bias. The native sample results were below the RL, but appears to have contributed to high MS recoveries.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 5 of 6

Client: <u>ATKINS</u>				Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Smith Ranch</u>				Attention: <u>Atkins</u>		Lab WO# <u>E307104</u>		Job Number <u>20071-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Lynn Acosta</u>				Address:		Analysis and Method								RCRA	
Address:				City, State, Zip										State	
City, State, Zip				Phone:		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
Email:				Email:		Chloride 300.0									
Report due by:															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				Remarks
	7/24/23	soil	1	B14-0.5'	1	X	X	X		X					
				B15 - Surface	2										
				B15 - 0.5'	3										
				B16 - Surface	4										
				B16 - 0.5'	5										
				B17 - Surface	6										
				B17 - 0.5'	7										
				B18 - Surface	8										
				B18 - 0.5'	9										
				B19 - Surface	10										
Additional Instructions:															
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Sampled by: <u>Lynn A. Acosta</u>															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
<u>Lynn A. Acosta</u>		7/27/23	1130	<u>Michelle Gungah</u>		7-27-23	1130								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time								
<u>Michelle Gungah</u>		7-27-23	1700	<u>Adrian Miso</u>		7-27-23	1730								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time								
<u>Adrian Miso</u>		7-27-23	2330	<u>Caitlin Mann</u>		7/28/23	6:00								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															



## Project Information

Client:					Bill To								
Project: Smith Ranch					Attention: ATKINS								
Project Manager: Lynn Acosta					Address:								
Address:					City, State, Zip								
City, State, Zip					Phone:								
Phone:					Email:								
Report due by:													
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 801S X	GRO/GRO by 801S X	BTEX by 8021 X	VOC by 8260	Metals 6010	Chloride 300.0 X	TAT <div>1D 2D 3D Standard</div> X	EPA Program <div>CWA SDWA</div>
	7/24/23	Soil	1	B19-0.5'	11								
				B20-0.5'	12								
				B20-1'	13								
				B20-2'	14								
				B20-3'	15								
				B20-4'	16								
				B20-5'	17								
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Relinquished by: (Signature) _____ Date: 7/27/23 Time: 1130 Received by: (Signature) Michelle Gonzalez Date: 7-27-23 Time: 1130 Received on ice: Y N T1 T2 T3 AVG Temp °C 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													



## Envirotech Analytical Laboratory

Printed: 7/28/2023 10:06:39AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Atkins Engineering Associates Inc.	Date Received:	07/28/23 06:00	Work Order ID:	E307164
Phone:	(575) 626-3993	Date Logged In:	07/27/23 15:39	Logged In By:	Caitlin Mars
Email:		Due Date:	08/01/23 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Smith Ranch has been separated into 3 reports due to high sample volume. Workorders are as follows: E307162, E307163, E307164. Time sampled not provided on COC per client.

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

Date



envirotech Inc.



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

---

November 09, 2023

AUSTIN WEYANT

ATKINS ENGINEERING

2904 W. 2ND STREET

ROSWELL, NM 88203

RE: SMITH RANCH

Enclosed are the results of analyses for samples received by the laboratory on 11/08/23 8:40.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 1 (H236112-01)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived 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 subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons 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



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 2 (H236112-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 3 (H236112-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 4 (H236112-04)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 5 (H236112-05)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 6 (H236112-06)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 7 (H236112-07)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 8 (H236112-08)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 9 (H236112-09)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 10 (H236112-10)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 11 (H236112-11)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 152 % 48.2-134

Surrogate: 1-Chlorooctadecane 169 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 12 (H236112-12)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 13 (H236112-13)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 133 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 14 (H236112-14)**

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	11/08/2023	ND	2.12	106	2.00	1.18		
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 132 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 15 (H236112-15)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 16 (H236112-16)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 17 (H236112-17)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 18 (H236112-18)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 19 (H236112-19)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 134 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 20 (H236112-20)**

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	11/08/2023	ND	2.12	106	2.00	1.18	
Toluene*	<0.050	0.050	11/08/2023	ND	2.20	110	2.00	1.08	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.41	120	2.00	1.80	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	7.15	119	6.00	1.35	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	199	99.3	200	1.66	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	188	93.8	200	0.671	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 21 (H236112-21)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 22 (H236112-22)**

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	11/08/2023	ND	2.18	109	2.00	0.294	
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 23 (H236112-23)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 24 (H236112-24)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 25 (H236112-25)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 26 (H236112-26)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 27 (H236112-27)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 28 (H236112-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 29 (H236112-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 30 (H236112-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 31 (H236112-31)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 32 (H236112-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 33 (H236112-33)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 34 (H236112-34)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 35 (H236112-35)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 36 (H236112-36)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 37 (H236112-37)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 38 (H236112-38)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 39 (H236112-39)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 40 (H236112-40)**

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	11/08/2023	ND	2.18	109	2.00	0.294		
Toluene*	<0.050	0.050	11/08/2023	ND	2.13	107	2.00	2.67		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.26	113	2.00	3.44		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.75	112	6.00	3.56		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	195	97.6	200	0.478	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	208	104	200	7.91	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 41 (H236112-41)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 42 (H236112-42)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 43 (H236112-43)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 44 (H236112-44)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 82.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 45 (H236112-45)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEX	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 46 (H236112-46)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 47 (H236112-47)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 48 (H236112-48)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.050	0.050	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 49 (H236112-49)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 50 (H236112-50)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 51 (H236112-51)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 52 (H236112-52)**

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	11/09/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.050	0.050	11/09/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.32	105	6.00	4.27		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.5 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 53 (H236112-53)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 54 (H236112-54)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 55 (H236112-55)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 56 (H236112-56)**

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	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 57 (H236112-57)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	2.00	100	2.00	4.97		
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27		
Total BTX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 58 (H236112-58)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEx	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 59 (H236112-59)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEX	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 60 (H236112-60)**

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	11/08/2023	ND	2.00	100	2.00	4.97	
Toluene*	<0.100	0.100	11/08/2023	ND	2.07	104	2.00	4.69	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.10	105	2.00	4.63	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.32	105	6.00	4.27	
Total BTEX	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	178	88.8	200	2.82	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	181	90.4	200	1.50	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 61 (H236112-61)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 70.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 62 (H236112-62)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9	
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5	
Total BTEX	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 65.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 63 (H236112-63)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 92.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 64 (H236112-64)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEx	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 65 (H236112-65)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 66 (H236112-66)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 67 (H236112-67)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 68 (H236112-68)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 69 (H236112-69)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 70 (H236112-70)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 71 (H236112-71)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 72 (H236112-72)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9	
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5	
Total BTEx	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 73 (H236112-73)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.100	0.100	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 74 (H236112-74)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 75 (H236112-75)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 76 (H236112-76)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 77 (H236112-77)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 78 (H236112-78)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 79 (H236112-79)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 80 (H236112-80)**

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	11/08/2023	ND	1.64	81.9	2.00	12.9		
Toluene*	<0.050	0.050	11/08/2023	ND	1.74	87.0	2.00	13.9		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.74	86.8	2.00	14.0		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.21	86.8	6.00	14.5		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	196	97.8	200	4.15	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	195	97.5	200	2.92	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 81 (H236112-81)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 82 (H236112-82)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 83 (H236112-83)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 84 (H236112-84)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 85 (H236112-85)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 86 (H236112-86)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 87 (H236112-87)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.100	0.100	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEX	<0.350	0.350	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 88 (H236112-88)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 89 (H236112-89)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.100	0.100	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.350	0.350	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 90 (H236112-90)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 91 (H236112-91)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 92 (H236112-92)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 93 (H236112-93)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 94 (H236112-94)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 95 (H236112-95)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 96 (H236112-96)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 97 (H236112-97)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 98 (H236112-98)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS - 99 (H236112-99)**

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	11/08/2023	ND	1.90	95.0	2.00	8.36		
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- BS-3            Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*             Samples not received at proper temperature of 6°C or below.
- \*\*\*            Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Atkins Engineering</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager: <u>Austin Weyant</u>				P.O. #:																																					
Address:				Company: <u>Dorango Midstream</u>																																					
City:		State:		Zip:		Attn: <u>Lyle Carrasco</u>																																			
Phone #:		Fax #:		Address:		City:																																			
Project #:		Project Owner:		State:		Zip:																																			
Project Name: <u>Smith Ranch</u>				Phone #:																																					
Project Location:				Fax #:																																					
Sampler Name: <u>Lynn Acosta</u>																																									
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		GRAB OR (COMP.)		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
<u>H236112</u>																																									
<u>1</u>		<u>CS1</u>																																							
<u>2</u>		<u>CS2</u>																																							
<u>3</u>		<u>CS3</u>																																							
<u>4</u>		<u>CS4</u>																																							
<u>5</u>		<u>CS5</u>																																							
<u>6</u>		<u>CS6</u>																																							
<u>7</u>		<u>CS7</u>																																							
<u>8</u>		<u>CS8</u>																																							
<u>9</u>		<u>CS9</u>																																							
<u>10</u>		<u>CS10</u>																																							

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Relinquished By: <u>Winkler</u>		Date: <u>11-8-23</u>		Received By: <u>Shodkiewicz</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:			
Time: <u>8:40</u>		Time:		Time:		All Results are emailed. Please provide Email address:					
Relinquished By:		Date:		Received By:		REMARKS: <u>pg 1/14</u>					
Time:		Time:		Time:							
Delivered By: (Circle One)		Observed Temp. °C <u>0-72</u>		Sample Condition		CHECKED BY: (Initials) <u>SK</u>		Turnaround Time: <u>#140</u>		Standard <input type="checkbox"/> Bacteria (only) <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No				<u>24</u>		<input type="checkbox"/> Cool <input type="checkbox"/> Intact	
				<input type="checkbox"/> No <input type="checkbox"/> No				Thermometer ID: <u>4113</u>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
								Correction Factor: <u>0.5°C</u>		<input type="checkbox"/> No <input type="checkbox"/> No	
										Observed Temp. °C	
										Corrected Temp. °C	

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**CARDINAL**  
Laboratories

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager:				P.O. #:																							
Address:				Company:																							
City:		State:		Zip:		Attn:																					
Phone #:		Fax #:		Address:																							
Project #:		Project Owner:		City:																							
Project Name:				State:																Zip:							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING													
								GROUNDWATER																			
								WASTEWATER																			
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER:																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER:																			
												DATE		TIME													
H236112																											
21		CS21																									
22		CS22																									
23		CS23																									
24		CS24																									
25		CS25																									
26		CS26																									
27		CS27																									
28		CS28																									
29		CS29																									
30		CS30																									

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
<i>Diabala</i>		11-8-23		<i>S. Rodriguez</i>					
Relinquished By:		Time:		Received By:		All Results are emailed. Please provide Email address:			
		0840							
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials)		Standard Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/>	
		0.7		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>SK</i>		#140	
				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				Thermometer ID #113	
								Correction Factor -0.5°C	
								24 HR	
								Observed Temp. °C	
								Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager:				P.O. #:																							
Address:				Company:																							
City:		State:		Zip:		Attn:																					
Phone #:		Fax #:		Address:																							
Project #:		Project Owner:		City:																							
Project Name:				State:																Zip:							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(GIRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING															
								GROUNDWATER																			
								WASTEWATER																			
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER :																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER :																			
												DATE		TIME													
H236112																											
31		CS31																									
32		CS32																									
33		CS33																									
34		CS34																									
35		CS35																									
36		CS36																									
37		CS37																									
38		CS38																									
39		CS39																									

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
<i>M. J. Keene</i>		11/8/23		<i>S. Keene</i>		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:		4/14	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		(Initials)		#140	
		0.7°C		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<i>SK</i>		Standard Rush <input type="checkbox"/>	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Bacteria (only) Sample Condition	
								Cool Intact Observed Temp. °C	
								<input type="checkbox"/> Yes <input type="checkbox"/> No	
								Corrected Temp. °C	
								24HR	

FORM-006 R 3.2 10/07/21

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager:				P.O. #:																			
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name:				State:																Zip:			
Project Location:				Phone #:																			
Sampler Name:				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING											
								GROUNDWATER															
								WASTEWATER															
								SOIL															
								OIL															
								SLUDGE															
								OTHER:															
								ACID/BASE:															
								ICE / COOL															
								OTHER:															
										DATE		TIME											
H236112		CS40						X				11/3/23				BTEX							
40		CS41														TPH							
41		CS42														CI-							
42		CS43																					
43		CS44																					
44		CS45																					
45		CS46																					
46		CS47																					
47		CS48																					
48		CS49																					
49																							

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
<i>[Signature]</i>		11-8-23		<i>[Signature]</i>		All Results are emailed. Please provide Email address:	
Relinquished By:		Time:		Received By:		REMARKS:	
		0840				5/14	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		0-7C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials)	
		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: #140	
						Thermometer ID: #113	
						Correction Factor: 0.5°C	
						Standard <input type="checkbox"/> Bacteria (only) Sample Condition	
						Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager:				P.O. #:																			
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name:				State:																Zip:			
Project Location:				Phone #:																			
Sampler Name:				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING											
								GROUNDWATER															
								WASTEWATER															
								SOIL															
								OIL															
								SLUDGE															
								OTHER:															
								ACID/BASE:															
								ICE / COOL															
								OTHER:															
										DATE		TIME											
H236112		CS 50												BTEX									
50		CS 50												TPH									
51		CS 51												CI-									
52		CS 52																					
53		CS 53																					
54		CS 54																					
55		CS 55																					
56		CS 56																					
57		CS 57																					
58		CS 58																					
59		CS 59																					

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		11-8-23				All Results are emailed. Please provide Email address:	
Time:		0840		Time:		REMARKS: 6/14	
Relinquished By:		Date:		Received By:			
		Time:					
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact			
		0.7		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Turnaround Time: #140	
						Standard Rush <input type="checkbox"/>	
						Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
						Corrected Temp. °C	

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																													
Project Manager:				P.O. #:																																	
Address:				Company:																																	
City:		State:		Zip:		Attn:																															
Phone #:		Fax #:		Address:																																	
Project #:		Project Owner:		City:																																	
Project Name:				State:																Zip:																	
Project Location:				Phone #:																																	
Sampler Name:				Fax #:																																	
FOR LAB USE ONLY																																					
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																									
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
H236112		CS60						X		X								11/3/23								BEX PH CI											
60		CS61																																			
61		CS62																																			
62		CS63																																			
63		CS64																																			
64		CS65																																			
65		CS66																																			
66		CS67																																			
67		CS68																																			
68		CS69																																			
69																																					

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
<i>Wade</i>		11-8-23		<i>S. Rodriguez</i>		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:			
						7/14			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		Q-7c		Cool Intact		(Initials)		#140	
		Corrected Temp. °C		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		8/2		Standard Rush <input checked="" type="checkbox"/>	
				Yes <input type="checkbox"/> No <input type="checkbox"/>				Bacteria (only) Sample Condition	
				Yes <input type="checkbox"/> No <input type="checkbox"/>				Cool Intact Observed Temp. °C	
				Yes <input type="checkbox"/> No <input type="checkbox"/>				Corrected Temp. °C	
				Yes <input type="checkbox"/> No <input type="checkbox"/>					

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager:				P.O. #:																							
Address:				Company:																							
City:		State:		Zip:		Attn:																					
Phone #:		Fax #:		Address:																							
Project #:		Project Owner:		City:																							
Project Name:				State:																Zip:							
Project Location:				Phone #:																							
Sampler Name:				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		GRAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING															
								GROUNDWATER																			
								WASTEWATER																			
								SOIL																			
								OIL																			
								SLUDGE																			
								OTHER :																			
								ACID/BASE:																			
								ICE / COOL																			
								OTHER :																			
										DATE		TIME															
H236112		CS70										4/3/23				BTEX TPH CI-											
70		CS70														X X X											
71		CS71																									
72		CS72																									
73		CS73																									
74		CS74																									
75		CS75																									
76		CS76																									
77		CS77																									
78		CS78																									
79		CS79																									

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Relinquished By:		Date: 8-23		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 8:40				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: 8/14	
Time:							
Delivered By: (Circle One)		Observed Temp. °C: 8.7°C		Sample Condition		Turnaround Time: #140	
Sampler - UPS - Bus - Other:		Corrected Temp. °C:		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				CHECKED BY: (Initials) 8/2		Thermometer ID #118	
						Correction Factor -0.5°C	
						24 HR	
						Corrected Temp. °C	

FORM-006 R 3.2 10/07/21

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager:				P.O. #:																			
Address:				Company:																			
City:		State:		Zip:		Attn:																	
Phone #:		Fax #:		Address:																			
Project #:		Project Owner:		City:																			
Project Name:				State:																Zip:			
Project Location:				Phone #:																			
Sampler Name:				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.																					
H236112																							
80		CS80																					
81		CS81																					
82		CS82																					
83		CS83																					
84		CS84																					
85		CS85																					
86		CS86																					
87		CS87																					
88		CS88																					
89		CS89																					

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Relinquished By: <i>M. J. Baker</i>		Date: <i>11-8-23</i>		Received By: <i>S. Rodriquez</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
		Time: <i>0940</i>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <i>9/14</i>	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <i>0-7c</i>		Sample Condition		Turnaround Time: <i>#140</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Standard Rush <input checked="" type="checkbox"/>	
				CHECKED BY: (Initials) <i>SR</i>		Bacteria (only) Sample Condition	
						Cool <input type="checkbox"/> Yes <input type="checkbox"/> No Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager:				P.O. #:																					
Address:				Company:																					
City:		State:		Zip:		Attn:																			
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name:				State:																Zip:					
Project Location:				Phone #:																					
Sampler Name:				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		DATE		TIME		BTEX		CI-		TPH	
								GROUNDWATER																	
								WASTEWATER																	
								SOIL																	
								OIL																	
								SLUDGE																	
								OTHER :																	
								ACID/BASE:																	
								ICE / COOL																	
								OTHER :																	
H036112		CS90						X				X		11/3/23						X		X		X	
90		CS91																							
91		CS92																							
92		CS93																							
93		CS94																							
94		CS95																							
95		CS96																							
96		CS97																							
97		CS98																							
98		CS99																							
99																									

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
<i>[Signature]</i>		11/8/23		<i>[Signature]</i>					
Relinquished By:		Time:		Received By:		All Results are emailed. Please provide Email address:			
		0840		<i>[Signature]</i>					
Delivered By: (Circle One)		Date:		REMARKS:		10/14			
Sampler - UPS - Bus - Other:		Time:							
Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Bacteria (only)	
Corrected Temp. °C		Cool Intact		(Initials)		#140		Cool Intact	
0.7°C		<input type="checkbox"/> Yes <input type="checkbox"/> No		872		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
		<input type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #113		<input type="checkbox"/> Yes <input type="checkbox"/> No	
						Correction Factor -0.5°C		<input type="checkbox"/> Yes <input type="checkbox"/> No	
						24 HR		Observed Temp. °C	
								Corrected Temp. °C	

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

November 09, 2023

AUSTIN WEYANT

ATKINS ENGINEERING

2904 W. 2ND STREET

ROSWELL, NM 88203

RE: SMITH RANCH

Enclosed are the results of analyses for samples received by the laboratory on 11/08/23 8:40.

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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 100 (H236113-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2023	ND	1.90	95.0	2.00	8.36	
Toluene*	<0.050	0.050	11/08/2023	ND	1.91	95.7	2.00	8.28	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.88	94.1	2.00	8.61	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.90	98.3	6.00	8.62	
Total BTX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	192	95.8	200	0.290	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	198	99.1	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 101 (H236113-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 102 (H236113-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 103 (H236113-04)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 104 (H236113-05)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 105 (H236113-06)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 106 (H236113-07)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 107 (H236113-08)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 108 (H236113-09)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 109 (H236113-10)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 110 (H236113-11)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 111 (H236113-12)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 112 (H236113-13)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 113 (H236113-14)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 114 (H236113-15)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 115 (H236113-16)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 116 (H236113-17)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 117 (H236113-18)**

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	11/08/2023	ND	1.73	86.3	2.00	11.7		
Toluene*	<0.050	0.050	11/08/2023	ND	1.83	91.6	2.00	12.0		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	1.86	93.0	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	5.68	94.6	6.00	10.4		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	448	112	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	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 118 (H236113-19)**

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	11/09/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/09/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.68	94.6	6.00	10.4	
Total BTEX	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 119 (H236113-20)**

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	11/09/2023	ND	1.73	86.3	2.00	11.7		
Toluene*	<0.050	0.050	11/09/2023	ND	1.83	91.6	2.00	12.0		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	93.0	2.00	11.8		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.68	94.6	6.00	10.4		
Total BTEx	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 120 (H236113-21)**

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	11/09/2023	ND	1.73	86.3	2.00	11.7	
Toluene*	<0.050	0.050	11/09/2023	ND	1.83	91.6	2.00	12.0	
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	1.86	93.0	2.00	11.8	
Total Xylenes*	<0.150	0.150	11/09/2023	ND	5.68	94.6	6.00	10.4	
Total BTEx	<0.300	0.300	11/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	180	89.9	200	0.300	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	193	96.7	200	0.627	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 121 (H236113-22)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 122 (H236113-23)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 123 (H236113-24)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 124 (H236113-25)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 125 (H236113-26)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 126 (H236113-27)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/08/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/08/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CS 127 (H236113-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 1 (H236113-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 2 (H236113-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 3 (H236113-31)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.1 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 4 (H236113-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 5 (H236113-33)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 6 (H236113-34)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 7 (H236113-35)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 75.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 8 (H236113-36)**

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	11/08/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/08/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/08/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/08/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 9 (H236113-37)**

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	11/09/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/09/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 10 (H236113-38)**

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	11/09/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/09/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.41	107	6.00	5.22		
Total BTEx	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

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	11/08/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 11 (H236113-39)**

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	11/09/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.100	0.100	11/09/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.350	0.350	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

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	11/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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**Analytical Results For:**

ATKINS ENGINEERING  
AUSTIN WEYANT  
2904 W. 2ND STREET  
ROSWELL NM, 88203  
Fax To:

Received: 11/08/2023  
Reported: 11/09/2023  
Project Name: SMITH RANCH  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 11/03/2023  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: CSW 12 (H236113-40)**

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	11/09/2023	ND	1.96	97.9	2.00	6.65		
Toluene*	<0.050	0.050	11/09/2023	ND	1.96	98.2	2.00	5.23		
Ethylbenzene*	<0.050	0.050	11/09/2023	ND	2.16	108	2.00	4.91		
Total Xylenes*	<0.150	0.150	11/09/2023	ND	6.41	107	6.00	5.22		
Total BTEX	<0.300	0.300	11/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

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	11/08/2023	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/09/2023	ND	194	97.2	200	2.71	
DRO >C10-C28*	<10.0	10.0	11/09/2023	ND	207	104	200	2.95	
EXT DRO >C28-C36	<10.0	10.0	11/09/2023	ND					

Surrogate: 1-Chlorooctane 74.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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(575) 393-2326 FAX (575) 393-2476

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Atkins Engineering</b>				<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>																					
Project Manager: <b>Austin Bryant</b>				P.O. #:																													
Address:				Company:																													
City:		State:		Zip:		Attn:																											
Phone #:		Fax #:		Address:																													
Project #:		Project Owner:		City:																													
Project Name: <b>Smith Ranch</b>				State:				Zip:																									
Project Location:				Phone #:																													
Sampler Name: <b>Lynn Acosta</b>				Fax #:																													
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																					
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME																	
<b>H236113</b>								X					X		11/3/23		BTEX	TPH	CI-														
1	CS100							X					X				X	X	X														
2	CS101																																
3	CS102																																
4	CS103																																
5	CS104																																
6	CS105																																
7	CS106																																
8	CS107																																
9	CS108																																
10	CS109																																

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Relinquished By:		Date: <b>11-8-23</b>	Received By:		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: <b>0840</b>	Received By:		All Results are emailed. Please provide Email address:	
		Date:			REMARKS: <b>11/14</b>	
		Time:				

Delivered By: (Circle One)		Observed Temp. °C: <b>0.7°C</b>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <b>SJC</b>	Turnaround Time: <b>#140</b>	Standard Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
Sampler - UPS - Bus - Other:		Corrected Temp. °C:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID: <b>#113</b>	Rush <b>94112</b>	Observed Temp. °C: Corrected Temp. °C:

FORM-006 R 3-2 10/07/21      \* Cardinal cannot accept responsibility for results if sample is not properly preserved and labeled.



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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager:				P.O. #:																					
Address:				Company:																					
City:		State:		Zip:		Attn:																			
Phone #:		Fax #:		Address:																					
Project #:		Project Owner:		City:																					
Project Name:				State:																Zip:					
Project Location:				Phone #:																					
Sampler Name:				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING													
								GROUNDWATER																	
								WASTEWATER																	
								SOIL																	
								OIL																	
								SLUDGE																	
								OTHER :																	
								ACID/BASE:																	
								ICE / COOL																	
								OTHER :																	
										DATE		TIME													
H236113																									
11		CS110																							
12		CS111																							
13		CS112																							
14		CS113																							
15		CS114																							
16		CS115																							
17		CS116																							
18		CS117																							
19		CS118																							
20		CS119																							

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Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
		11-8-23							
		Time: 0840						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:			
						12/14			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials)		Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
		0.7°C		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		882		#40	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Bacteria (only) Sample Condition	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Observed Temp. °C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Corrected Temp. °C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID: #113	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				Correction Factor: 0.8°C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No				24 HRS	

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





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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager:				P.O. #:																																					
Address:				Company:																																					
City:		State:		Zip:		Attn:																																			
Phone #:		Fax #:		Address:																																					
Project #:		Project Owner:		City:																																					
Project Name:				State:																Zip:																					
Project Location:				Phone #:																																					
Sampler Name:				Fax #:																																					
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
H236113																																									
21		CS120																																							
22		CS121																																							
23		CS122																																							
24		CS123																																							
25		CS124																																							
26		CS125																																							
27		CS126																																							
28		CS127																																							
29		CSW 1																																							
30		CSW 2																																							

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Relinquished By:		Date: 11-8-23		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Time: 0840		Time: 0840		Signature: [Signature]		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS: 13/14			
Time:									
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		8/2		#140	
				Yes <input type="checkbox"/> No <input type="checkbox"/>				Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
								Bacteria (only) Sample Condition	
								Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
								Observed Temp. °C	
								Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager:				P.O. #:																									
Address:				Company:																									
City:		State:		Zip:		Attn:																							
Phone #:		Fax #:		Address:																									
Project #:		Project Owner:		City:																									
Project Name:				State:																Zip:									
Project Location:				Phone #:																									
Sampler Name:				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER				ACID/BASE:		DATE		TIME													
								WASTEWATER				ICE / COOL																	
								SOIL				OTHER:																	
								OIL																					
								SLUDGE																					
								OTHER:																					
H236113																													
31		CSW 3										X		11/3/23				BTEX											
32		CSW 4										X						TPH											
33		CSW 5																CI-											
34		CSW 6																											
35		CSW 7																											
36		CSW 8																											
37		CSW 9																											
38		CSW 10																											
39		CSW 11																											
40		CSW 12																											

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

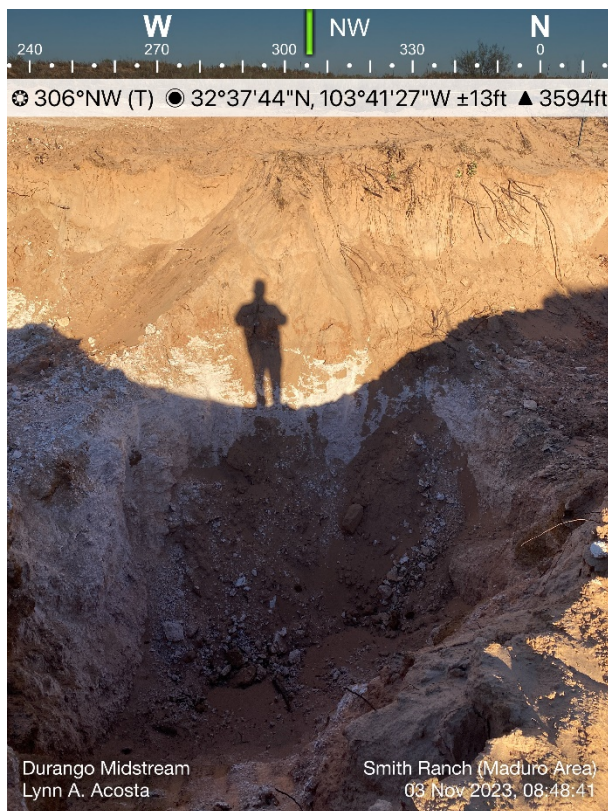
Relinquished By:		Date:		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
W. Keene		4-8-23		S. Rodriguez		All Results are emailed. Please provide Email address:			
Relinquished By:		Time:		Received By:		REMARKS:			
		0840				14/14			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:	
Sampler - UPS - Bus - Other:		0.72		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials)		#140	
		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		SK		Standard Rush <input type="checkbox"/>	
								Bacteria (only) Sample Condition	
								Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
								Observed Temp. °C	
								Corrected Temp. °C	

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

# APPENDIX D OPEN EXCAVATION LOG



## Smith Ranch (Maduro Area) Photo Log



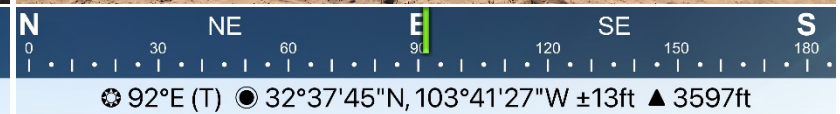
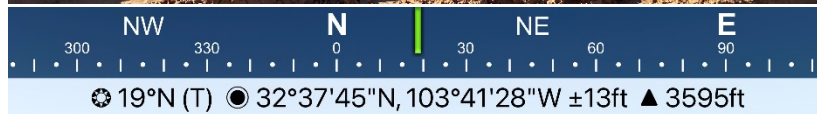




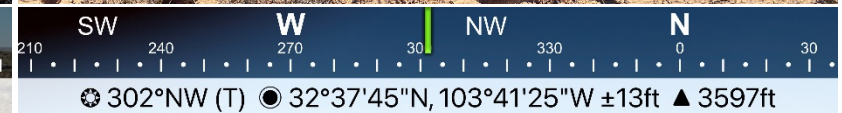














# APPENDIX E

## NMOCD CORRESPONDANCE

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Lynn Acosta](#); [Velez, Nelson, EMNRD](#); [Bratcher, Michael, EMNRD](#)  
**Cc:** [Guadalupe Carrasco](#); [Austin Weyant](#)  
**Subject:** RE: [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (  
**Date:** Tuesday, October 31, 2023 4:47:36 PM

---

Good evening Lynn,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

*Shelly*

**Shelly Wells** \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Lynn Acosta <lynn@atkinseng.com>  
**Sent:** Tuesday, October 31, 2023 4:45 PM  
**To:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Cc:** Guadalupe Carrasco <gcarrasco@durangomidstream.com>; Austin Weyant <austin@atkinseng.com>  
**Subject:** Re: [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (

Good Afternoon,

Atkins Engineering is notifying NMOCD that confirmation sampling will be conducted at the Smith Ranch (Maduro Area) (nAPP2318638414) on Friday November 3, 2023. Atkins Engineering personnel will be onsite approximately at 8:00 am MST.

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

Have a good evening.

Lynn A. Acosta

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---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Thursday, October 19, 2023 8:42:30 AM  
**To:** Lynn Acosta <[lynn@atkinseng.com](mailto:lynn@atkinseng.com)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Cc:** Guadalupe Carrasco <[gcarrasco@durangomidstream.com](mailto:gcarrasco@durangomidstream.com)>; Austin Weyant <[austin@atkinseng.com](mailto:austin@atkinseng.com)>  
**Subject:** RE: [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (

Hi Lynn,

Thanks for the update!

Kind regards,

Shelly

---

**From:** Lynn Acosta <[lynn@atkinseng.com](mailto:lynn@atkinseng.com)>  
**Sent:** Wednesday, October 18, 2023 6:35 PM  
**To:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Cc:** Guadalupe Carrasco <[gcarrasco@durangomidstream.com](mailto:gcarrasco@durangomidstream.com)>; Austin Weyant <[austin@atkinseng.com](mailto:austin@atkinseng.com)>  
**Subject:** Re: [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (

Good afternoon Shelly,

Due to unforeseen circumstances the confirmation sampling event did not occur today. I apologize about the late notice. I will respond to this email thread when the confirmation sampling event is rescheduled.

Thank you, let me know if you have any questions or concerns.

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---

**From:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)>  
**Sent:** Friday, October 13, 2023 11:22:59 AM  
**To:** Lynn Acosta <[lynn@atkinseng.com](mailto:lynn@atkinseng.com)>; Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>; Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Cc:** Guadalupe Carrasco <[gcarrasco@durangomidstream.com](mailto:gcarrasco@durangomidstream.com)>; Austin Weyant <[austin@atkinseng.com](mailto:austin@atkinseng.com)>  
**Subject:** RE: [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (

Hi Lynn,

The OCD has received your notification. Include a copy of this and all notifications in the



remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you and a good weekend to you too,

Shelly

Shelly Wells \* Environmental Specialist-Advanced  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive | Santa Fe, NM 87505  
(505)469-7520 | [Shelly.Wells@emnrd.nm.gov](mailto:Shelly.Wells@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Lynn Acosta <[lynn@atkinseng.com](mailto:lynn@atkinseng.com)>  
**Sent:** Friday, October 13, 2023 10:33 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>  
**Cc:** Guadalupe Carrasco <[gcarrasco@durangomidstream.com](mailto:gcarrasco@durangomidstream.com)>; Austin Weyant  
<[austin@atkinseng.com](mailto:austin@atkinseng.com)>  
**Subject:** [EXTERNAL] Notification - Final Confirmation Sampling - Smith Ranch (Maduro Area) (

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

Good Afternoon,

Atkins Engineering is notifying NMOCD that confirmation sampling will be conducted at the Smith Ranch (Maduro Area) (nAPP2318638414) on Wednesday October 18, 2023. Atkins Engineering personnel will be onsite approximately at 8:00 am MST.

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

Have a good weekend!

Lynn A. Acosta

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

**District II**  
811 S. First St., Artesia, NM 88210  
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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 301244

QUESTIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 301244
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2318638414
Incident Name	NAPP2318638414 SMITH RANCH (MADURO AREA) @ 0
Incident Type	Other
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SMITH RANCH (MADURO AREA)
Date Release Discovered	06/28/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Other
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	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Cause: Equipment Failure   Pipeline (Any)   Condensate   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.
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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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 301244

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:
	221115
	Action Number:
	301244
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
--	--

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 301244

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:	221115
	Action Number:	301244
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (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	Greater than 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	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

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.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents 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 fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	10/03/2023
On what date will (or did) the final sampling or liner inspection occur	11/03/2023
On what date will (or was) the remediation complete(d)	11/03/2023
What is the estimated surface area (in square feet) that will be remediated	2400
What is the estimated volume (in cubic yards) that will be remediated	480
These estimated dates and measurements are recognized to be the best guess 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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 301244

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 301244
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
Is (or was) there affected material present needing to be removed	Yes
Is (or was) there a power wash of the lined containment area (to be) performed	No
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
<i>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.</i>	

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**Santa Fe, NM 87505**

QUESTIONS, Page 6

Action 301244

**QUESTIONS (continued)**

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID:
	221115
	Action Number:
	301244
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Liner Inspection Information</b>	
Last liner inspection notification (C-141L) recorded	{Unavailable.}
Was all the impacted materials removed from the liner	Unavailable.

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	Yes
What was the total surface area (in square feet) remediated	2400
What was the total volume (cubic yards) remediated	480
Summarize any additional remediation activities not included by answers (above)	None

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

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

I hereby agree and sign off to the above statement	Name: Guadalupe Carrasco Title: Sr. Environmental Specialist Email: gcarrasco@durangomidstream.com Date: 01/08/2024
--	--

**District I**  
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State of New Mexico  
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Santa Fe, NM 87505

CONDITIONS  
  
Action 301244

CONDITIONS

Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380	OGRID: 221115
	Action Number: 301244
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	3/21/2024