

Remediation Summary and Closure Request

September 12, 2022

Bobbi State WF Unit #003 Crude Oil Release

Incident No.: nAPP2133730153

Prepared For:

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1.0 Introduction

On behalf of Sundown Energy, LP (Sundown), Crain Environmental (CE) has prepared this *Remediation Summary and Closure Request* for the crude oil release at the Bobbi State WF Unit #003 tank battery (Site). The Site is located approximately 13 miles west of Hobbs, in Lea County, New Mexico, at global positioning system (GPS) coordinates 32.726683, -103.377463. The property surface rights are privately owned. The location of the Site is depicted on Figure 1.

2.0 Background

The release of approximately 200 barrels (bbls) of crude oil was discovered on November 28, 2021, and was the result of a valve failure at the oil storage tank. The valve was repaired, and approximately 185 bbls of oil was recovered by vacuum truck and returned to the oil storage tank. The release covered an area measuring 40 feet (') by 100' within the firewall of the tank battery, and two areas east of the tank battery (a 40' x 45' area and a 20' x 35' area). The release was reported to the New Mexico Oil Conservation Division (NMOCD) on November 30, 2021, via telephone, and the initial Release Notification (Form C-141) was submitted to the NMOCD fee portal on December 10, 2021. On December 13, 2021, Incident No. aPP2133730153 was assigned to the release. A copy of the C-141 is included in Appendix A.

Soil remediation began on December 6, 2021, but was not completed by the *Site Characterization Report and Remediation Workplan* due date of February 26, 2022. As Sundown elected to dismantle the tank battery, a request for a 180-day extension to complete soil remediation was submitted to the NMOCD on April 13, 2022. The NMOCD approved a 90-day extension to complete remediation (until July 13, 2022).

Soil remediation continued; however, samples at 6 locations remained above the NMOCD Closure Criteria on July 6, 2022. On July 7, 2022, Sundown requested an additional 60-day extension to complete remediation and submit a Closure Report. On July 7, 2022, an extension was approved until September 13, 2022. Copies of NMOCD correspondence are included in Appendix B.

3.0 NMOCD Closure Criteria

Cleanup standards for produced water spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.

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- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there are two water wells located within 0.5 mile of the Site (L 3120 and L 07409). The NMOSE records provided a depth to groundwater measurements of 59 feet bgs at one well (L 07409) as listed in the table below. Based on the water well data available in NMOSE records, it is estimated that depth to groundwater at the Site is approximately 59 feet bgs. Figure 2 shows the locations of the two water wells.

Nearby Water Wells

Well ID	Location from Release Site	Year Installed	Use	Depth to Water (feet bgs)
L 3120	Approx. 2,000 feet to north	1960	N/A	NA
L 07409	Approx. 2,000 feet to northeast	1975	N/A	59

Note: NA = Not available.

3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
 - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
 - The topographic map (Figure 1) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution, or church.
 - The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution, or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
 - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.



- No fresh water wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
 - Based on the property and other records reviewed by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine
 - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a "low karst potential" area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is not mapped but is assumed to be located outside of a 100-year floodplain. Figures 3 and 4 depict the FEMA floodplain information and the karst potential data, respectively.

3.4 Closure Criteria Applicable to the Site

The Closure Criteria applicable to the Site will be based on the estimated depth to groundwater at the Release Site, which dictates the moderately stringent regulatory guidelines typically associated with groundwater depths of 51 to 100 feet bgs.

The NMOCD requires that soil concentrations from surface to a depth of 4 feet bgs must meet the most stringent Closure Criteria regardless of depth to groundwater; however, at depths greater than 4 feet bgs, the mid-level Closure Criteria is applicable to the Site. A summary of the Closure Criteria is provided in the table below and in Table 1.



NMOCD Closure Criteria

		Closure Criteria Based on Depth to Groundwater (mg/kg)				
Consti	tuent of Concern	≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs		
Chlo	ride (EPA 300)	600	10,000	20,000		
TPH (EPA	GRO + DRO + MRO	100	2,500	2,500		
8015M)	GRO + DRO	NA	1,000	1,000		
Total BTEX (EPA 8021 or 8260)		50	50	50		
Benzene	(EPA 8021 or 8260)	10	10	10		

Notes: NA = not applicable

bgs = below ground surface
mg/kg = milligrams per kilogram
GRO = gasoline range organics
DRO = diesel range organics
MRO = motor oil range organics
TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, and total xylenes Green highlighted cells denote applicable Closure Criteria.

4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 5.

4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown. During investigation activities, a maximum depth of 6 feet bgs was reached, at which groundwater was not encountered. A review of the NMOSE water well records indicates that depth to groundwater within 0.5 mile of the Site is 59 feet bgs.

4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 2. Two water wells are located within 0.5 mile of the Site. There were no other water sources, springs, or other sources of fresh water extraction identified within 0.5-mile of the Site.

4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.



4.5 Summary of Soil Remediation Activities

From December 6, 2021, through March 14, 2022, impacted soil at the Site was excavated and disposed at R360 disposal facility. On January 4, 2022, 16 soil samples (SS-1, SS-2, SS-5, SS-7 through SS-9, SS-11 through SS-18, SS-21, and SS-22) were collected from the bottom and sidewalls of the excavated areas to determine if horizontal and vertical delineation of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and xylenes (BTEX), and chlorides had been achieved.

All samples were placed in clean glass sample jars, properly labeled, immediately stored on ice, and submitted under proper chain-of-custody control to Eurofins Environment Testing America (Eurofins) in Midland, Texas for analysis of chlorides by EPA Method 300. All samples except SS-15 were analyzed for TPH by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, and all samples except SS-13 through SS-17 were analyzed for BTEX by EPA SW-846 Method 8021B.

Table 1 provides a summary of the laboratory results, and sample locations with laboratory concentrations are provided on Figure 5. The laboratory report and chain-of-custody documentation is provided in Appendix C.

Referring to Table 1, concentrations of BTEX were reported below the test method detection limits and/or Closure Criteria in all samples. Chloride concentrations were reported above the Closure Criteria in all samples except SS-11, SS-12, SS-15, SS-16, and SS-18. Concentrations of TPH were reported above the Closure Criteria in all samples except SS-1 and SS-21.

Additional excavation was conducted from the areas reporting TPH or chloride concentrations above the Closure Criteria, and 18 soil samples (SS-1 through SS-9, SS-11 through SS-14, SS-16 through SS-18, SS-21, and SS-22) were collected on February 8, 2022. All samples were delivered to Eurofins for analysis of TPH, BTEX, and chlorides (as necessary).

Table 1 provides a summary of all laboratory results, and sample locations with laboratory concentrations are provided on Figure 5. The laboratory report and chain-of-custody documentation is provided in Appendix C.

Referring to Table 1, concentrations of BTEX were reported below the test method detection limits and/or Closure Criteria in all samples. Chloride concentrations were reported above the Closure Criteria in all samples except SS-1, SS-2, SS-6, SS-13 through SS-18, and SS-21. Concentrations of TPH were reported above the Closure Criteria in all samples except SS-1, SS-12 through SS-14, SS-16 through SS-18, SS-21, and SS-22.

Additional excavation was conducted from the areas reporting TPH or chloride concentrations above the Closure Criteria, and 10 soil samples (SS-3, SS-4, SS-6 through SS-9, SS-11, SS-12, SS-15, and SS-22) were collected on March 14, 2022. All samples were delivered to Eurofins for analysis of TPH, BTEX, and chlorides (as necessary).

Table 1 provides a summary of all laboratory results, and sample locations with laboratory concentrations are provided on Figure 5. The laboratory report and chain-of-custody documentation is provided in Appendix C.

Referring to Table 1, concentrations of BTEX were reported below the test method detection limits and/or Closure Criteria in all samples. Chloride concentrations were reported below the Closure Criteria in all samples except SS-22. Concentrations of TPH were reported below the Closure Criteria in all samples. As complete remediation of chloride and/or TPH impacted soil inside the tank battery had not been achieved, Sundown elected to dismantle and abandon the tank battery in order to effectively remediate impacted soil.

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As complete remediation of chloride and/or TPH impacted soil inside the tank battery had not been achieved, Sundown elected to abandon the tank battery in order to effectively remediate all impacted soil. From April 18, 2022, through May 23, 2022, all tanks and ancillary equipment was dismantled and removed from the Site.

On May 26, 2022, excavation of impacted soil within the tank battery resumed, and excavation and disposal of impacted soil from the bottom and sidewalls of the excavated areas continued until August 18, 2022. Confirmation soil samples were collected on June 8, June 24, and August 21, 2022.

All samples were placed in clean glass sample jars, properly labeled, immediately stored on ice, and submitted under proper chain-of-custody control to Eurofins for analysis of TPH, BTEX, and chlorides as needed.

Table 1 provides a summary of the laboratory results, and sample locations with laboratory concentrations are provided on Figure 5. The laboratory reports are provided in Appendix C. Photographs are provided in Appendix D. Referring to Table 1, all final concentrations of TPH, BTEX, and chlorides were reported below the Closure Criteria, except for the TPH concentration in sample SS-28, collected on August 2, 2022, at a depth of 2' bgs. As Eurofins inadvertently failed to analyze sample SS-28 for TPH, the sample will be re-collected and analyzed for TPH. Backfilling will not be conducted until the laboratory reports a TPH concentration less than 100 mg/kg in sample SS-28.

From December 6, 2021, through August 18, 2022, approximately 2,276 cubic yards (cy) of impacted soil was hauled to R360 for disposal. Clean soil from the rancher pit is stockpiled at the Site, pending backfill. Copies of the waste manifests are included in Appendix E.

4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in the laboratory reports generated by Eurofins, in Midland, Texas, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix D.

5.0 Request for Approval to Backfill

Confirmation samples reported all TPH, benzene, total BTEX and chloride concentrations at the Site below the NMOCD Closure Criteria except for the TPH concentration in sample SS-28, collected on August 2, 2022, at a depth of 2' bgs. As Eurofins inadvertently failed to analyze the SS-28 sample for TPH, the sample will be re-collected and analyzed for TPH. Backfilling will not be conducted until the laboratory reports a TPH concentration less than 100 mg/kg in sample SS-28. Approximately 2,276 cy of impacted soil was disposed at R360, and clean backfill soil is stockpiled on location, pending NMOCD approval to backfill.

Sundown respectfully requests that Closure of Incident #nAPP2133730153 for the Bobbi State WF Unit #003 be approved. The final C-141 is included in Appendix A.



6.0 Distribution

Copy 1: Mike Bratcher

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, New Mexico 88210

Copy 2: Ralph Butler

Sundown Energy, LP

16400 Dallas Parkway, Suite 100

Dallas, Texas 75248



TABLE

TABLE 1 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS SUNDOWN ENERGY, LP BOBBI STATE WF UNIT #003 API # 30-025-26954 INCIDENT ID #: nAPP2133730153

Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
		(feet bgs)						milligram	s per kilogran	n (mg/kg)		1	
NMOCD Closus	e Criteria (su	rface to 4' b	gs)			-	100	10	-	-	-	50	600
NMOCD C	NMOCD Closure Criteria (> 4' bgs)					-	2,500	10	-	-	-	50	10,000
SS-1	01/04/22	3	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	8,700
SS-1	06/08/22	2.5	Excavated										1,170
SS-1	06/24/22	2.5	Excavated										664
SS-1 SS-1	08/02/22 02/08/22	2.5 4.5	In Situ In Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	101 1,070
			III Silu										
SS-2 SS-2	01/04/22	3.5	Excavated	403	8,250	<250	8,650	0.00756	0.117	0.0555	0.154	0.334	15,100
SS-2	02/08/22 06/24/22	5.5 6	Excavated In Situ	< 49.9 < 49.9	3,830 <49.9	<49.9 <49.9	3,830 <49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	7,420
		•											
SS-3	02/08/22	2	Excavated	<50.0	199	<50.0	199	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	6,090
SS-3 SS-3	06/08/22	2.5 4.5	Excavated	<49.9	<49.9	<49.9	<49.9 217						1,540
SS-3	03/14/22	4.5 5	Excavated In Situ	<49.9	111	106							130,000 856
SS-4	02/08/22	2	Excavated	<49.9	101	<49.9	101	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,030
SS-4	06/08/22	2.5	Excavated	<49.9	<49.9	<49.9	<49.9						8,820
SS-4	03/14/22	4.5	In Situ	<50.0	641	69.1	710						9,120
SS-5	01/04/22	3	Excavated	434	8,490	<250	8,920	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	5,100
SS-5	02/08/22	4	Excavated	<49.9	4,830	<49.9	4,830	0.0127	0.00242	0.00251	0.00942	0.0271	8,150
SS-5	06/08/22	5	In Situ	<50.0	<50.0	<50.0	<50.0						4,480
SS-6	02/08/22	1	Excavated	<49.9	186	<49.9	186	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	228
SS-6	03/14/22	4.5	In Situ	<50.0	54.6	55.4	110						
SS-7	01/04/22	2	Excavated	291	13,700	<250	14,000	<0.00199	<0.00199	0.00401	0.00987	0.0139	2,390
SS-7	02/08/22	3	Excavated	<50.0	495	<50.0	495	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	1,750
SS-7	03/14/22	4.5	In Situ	<49.9	<49.9	<49.9	<49.9	1					5,790
SS-8	01/04/22	2	Excavated	<50.0	973	<50.0	973	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	922
SS-8	02/08/22	2	Excavated	<50.0	360	<50.0	360	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	2,450
SS-8	06/08/22	2.5	Excavated	<50.0	<50.0	<50.0	<50.0						2,050
SS-8	06/24/22	2.5	Excavated										1,280
SS-8	06/24/22	2.5	In Situ										119
SS-8	03/14/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0						3,570
SS-9	01/04/22	2	Excavated	<250	3,420	<250	3,420	<0.00199	<0.00199	< 0.00199	<0.00398	<0.00398	1,140
SS-9	02/08/22	2	Excavated	<49.9	229	<49.9	229	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,950
SS-9	03/14/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0						1,510
SS-11	01/04/22	6"	Excavated	<49.9	220	<49.9	220	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	291
SS-11	02/08/22	1.5	Excavated	<50.0	206	<50.0	206	<0.00199	<0.00199	<0.00199	<0.00398	< 0.00398	3,980
SS-11	03/14/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0						3,460
SS-12	01/04/22	6"	Excavated	<50.0	281	<50.0	281	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	263
SS-12	02/08/22	1.5	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	< 0.00397	4,060
SS-12	03/14/22	4.5	In Situ										1,750
SS-13	01/04/22	1	Excavated	<49.9	260	<49.9	260						829
SS-13	02/08/22	4	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	433
SS-14	01/04/22	1	Excavated	<49.9	355	<49.9	355			_			802
SS-14	02/08/22	4	In Situ	<49.9 <49.9	<49.9	<49.9 <49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	134
SS-15										I			
SS-15 SS-15	01/04/22	1.5 1.5	In Situ In Situ	<50.0	<50.0	<50.0	 <50.0	<0.0401	0.270	0.298	1.41	1.98	150
								<0.0401	0.270	0.230	1.41	1.30	
SS-16	01/04/22	2	Excavated	<50.0	496	<50.0	496						309
SS-16	02/08/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	674
SS-17	01/04/22	2	Excavated	<50.0	138	<50.0	138	-					2,380
SS-17	02/08/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	686

TABLE 1 SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS SUNDOWN ENERGY, LP BOBBI STATE WF UNIT #003 API # 30-025-26954 INCIDENT ID #: nAPP2133730153

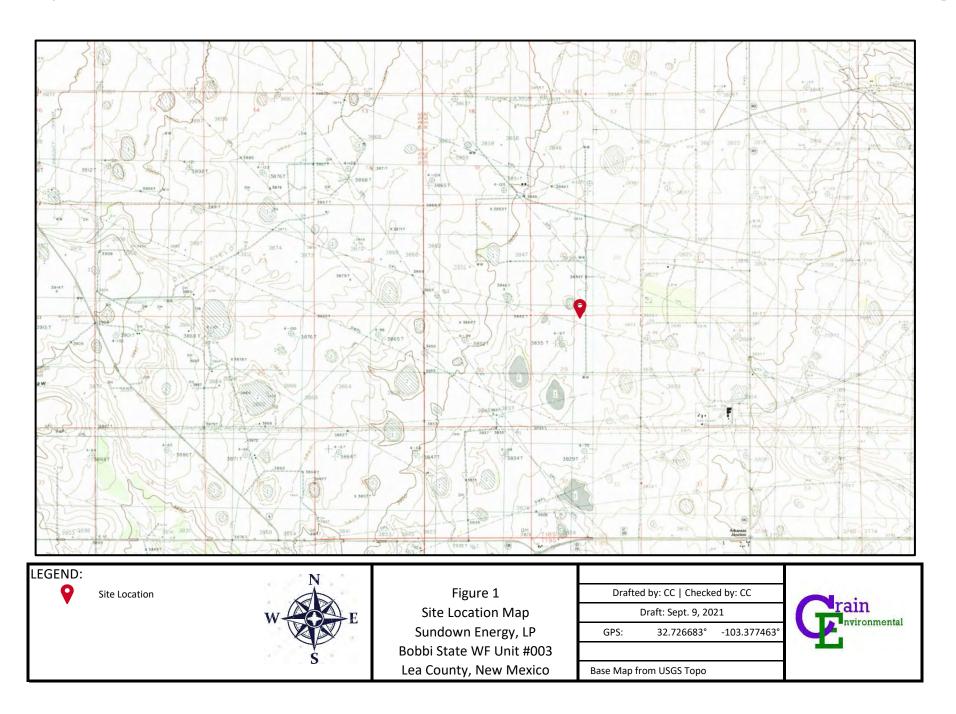
Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
		(feet bgs)			milligrams per kilogram (mg/kg)								
NMOCD Close	NMOCD Closure Criteria (surface to 4' bgs)					-	100	10	-	-	-	50	600
NMOCD (Closure Criteri	ia (> 4' bgs)		GRO + DI	RO = 1,000	-	2,500	10	-	-	-	50	10,000
SS-18	01/04/22	2	Excavated	<50.0	260	<50.0	260	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	284
SS-18	02/08/22	4	In Situ	<49.9	81.2	<49.9	81.2	<0.00200	<0.00200	<0.00200	< 0.00399	< 0.00399	489
SS-21	01/04/22	3	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	9.720
SS-21	06/08/22	2.5	Excavated										1,300
SS-21	06/24/22	2.5	In Situ										207
SS-21	02/08/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	823
SS-22	01/04/22	2	Excavated	2.050	19.100	<500	21,200	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	4,480
SS-22	02/08/22	2	Excavated	<49.9	62.5	<49.9	62.5	<0.00199	<0.00199	< 0.00199	<0.00398	<0.00398	1,460
SS-22	06/08/22	2.5	In Situ				-						480
SS-22	03/14/22	4.5	Excavated				-						10,80
SS-22	06/08/22	4.5	In Situ				-						345
SS-23	06/08/22	2.5	Excavated	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1.780
SS-23	06/24/22	2.5	Excavated										695
SS-23	08/02/22	2.5	In Situ						-				126
SS-23	06/08/22	4.5	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	< 0.00396	< 0.00396	10,90
SS-23	06/24/22	4.5	In Situ										638
SS-24	06/08/22	2.5	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	870
SS-24	06/08/22	4.5	In Situ	<50.0	206	81.3	287.3	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,670
SS-25	06/08/22	4.5	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	424
SS-26	06/08/22	4.5	In Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	2,460
SS-27	06/24/22	2	Excavated	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	1,370
SS-27	08/02/22	2	In Situ										141
SS-28	06/24/22	2	Excavated	<50.0	326	<50.0	326	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	663
SS-28	08/02/22	2	In Situ		-								111
SS-29	06/24/22	2	In Situ	<49.9	<49.9	<49.9	<49.9						
SS-30	06/24/22	2	In Situ	<49.8	<49.8	<49.8	<49.8						1,380
SS-30	08/02/22	2	In Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	< 0.00402	< 0.00402	110

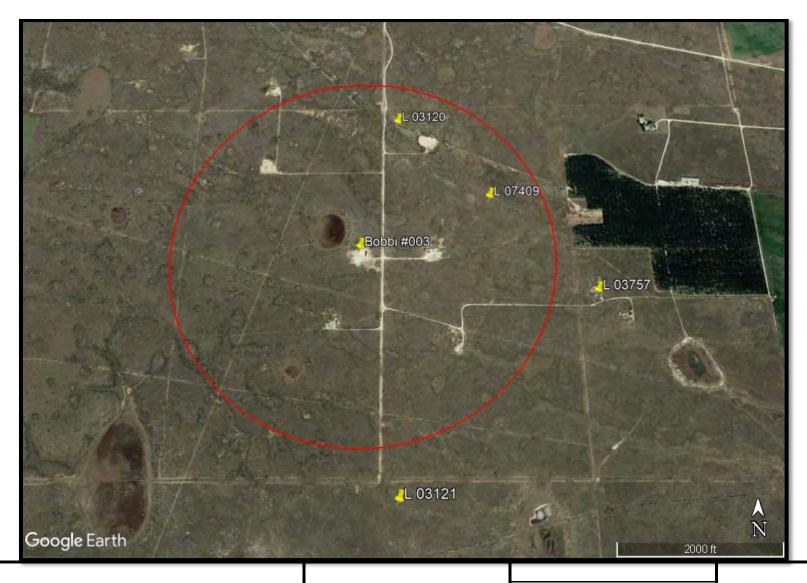
Notes

- 1. bgs: Below ground surface
- 2. GRO: Gasoline Range Organics
- 3. DRO: Diesel Range Organics
- 4. MRO: Motor Oil Range Organics
- 5. -: No NMOCD Closure Criteria established.
- 6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
- 7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
- 8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.
- 9. Bold and green highlighting with italics indicates soil was excavated and disposed.



FIGURES







Site and Water Well Locations

0

0.5 Mile Radius

Base Map from Google Earth

Figure 2

Wellhead Protection Area Map Sundown Energy, LP Bobbi State WF Unit #003 Lea County, New Mexico Drafted by: CC | Checked by: CC

Draft: June 15, 2021

GPS: 32.726683° -103.377463



D. J. J. 4. T. 0/14/2022 2.27.25 D3







Site Location

Base Map from Google Earth and FEMA StayDry

Figure 3

FEMA Floodplain Map Sundown Energy, LP Bobbi State WF Unit #003 Lea County, New Mexico Drafted by: CC | Checked by: CC

Draft: June 15, 2021

GPS: 32.726683° -103.377463°





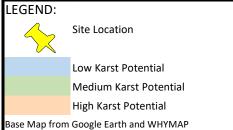
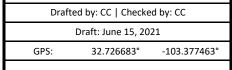
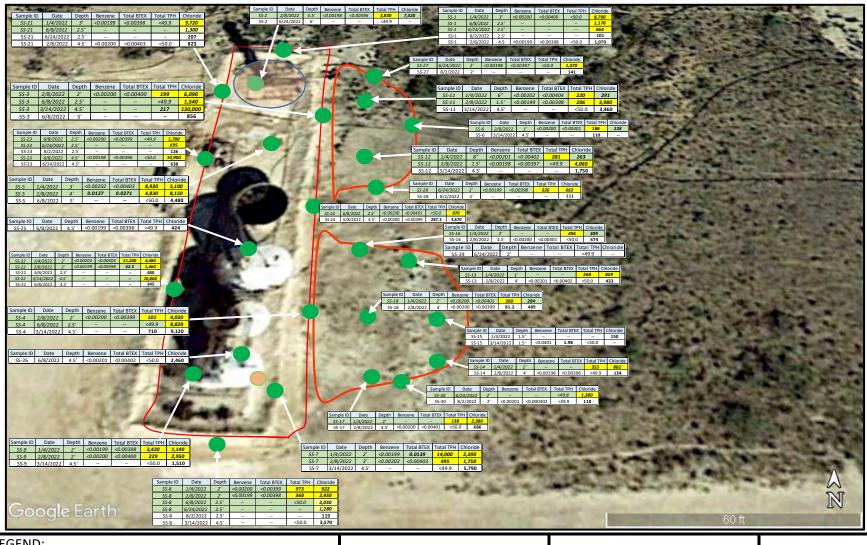


Figure 4 Karst Potential Map Sundown Energy, LP Bobbi State WF Unit #003 Lea County, New Mexico







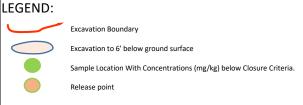


Figure 5
Soil Sample Analytical Results Map
Sundown Energy, LP
Bobbi State WF Unit #003
Lea County, New Mexico

Drafted by: CC | Checked by: CC

Draft: Sept. 8, 2022

GPS: 32.726683° -103.377463°

Base Map from Google Earth





Appendix A: Release Notification (Form C-141)

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	nAPP2133730153
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party		Sundown Energy	, LP	OGRID	232611			
Contact Name		Ralph Butler		Contact Te	ct Telephone (214) 368-6100 X 2102			
Contact ema	il	rbutler@elander	nergy.com	Incident #	(assigned by OCD)			
Contact mail	ing address	16400 Dallas Pk	wy, Ste. 100, Dall	las, TX 75248				
			Logation	of Release Se	Oliwaa			
			Location	of Kelease S	ource			
Latitude	32.726683	3	(NAD 83 in dec	Longitude _cimal degrees to 5 decin	-103.377463			
			(NAD 85 in dec		nui piaces)			
Site Name		tate WF Unit #003		Site Type	Tank Battery			
Date Release	Discovered	11/28/21		API# (if app	olicable) 30-025-26954			
Unit Letter	Section	Township	Range	Coun	ntv			
N	20	18S	36E	n.y				
11	20			Lea				
Surface Owne	r: State	☐ Federal ☐ Tı	ribal 🛚 Private (/	Bill Squir Vame:	res)			
			D T 4	1 7 1 6 1	D. I.			
			Nature and	d Volume of 1	Release			
				calculations or specific	justification for the volumes provided below)			
X Crude Oi	1	Volume Release	ed (bbls) 20	00	Volume Recovered (bbls) 185			
Produced	Water	Volume Release	ed (bbls)		Volume Recovered (bbls)			
		Is the concentrate produced water	tion of dissolved c >10,000 mg/l?	hloride in the	e in the Yes No			
Condensa	ite	Volume Release			Volume Recovered (bbls)			
Natural G	ias	Volume Release	ed (Mcf)		Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units			Released (provide	e units)	Volume/Weight Recovered (provide units)			
Cause of Rel	ease V	alve failure on oil	tank.		-			

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Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Volume of release is greater than	25 bbl.
X Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
Yes. By Cindy Crain to	Eugene Bolton via phone call on 11/30/21	at 1300.
	Initial Ro	esponse
The responsible p	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
X The impacted area ha	s been secured to protect human health and	the environment.
X Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	I managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	vhy:
Per 10 15 20 8 R (4) NM	AC the responsible party may commence r	emediation 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 lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release noti ment. The acceptance of a C-141 report by the C ate and remediate contamination that pose a thre	pest of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Cinc	dy Crain	Title: Agent for Sundown Energy, LP
Signature:indy	Csain	Date:11/30/21
email: cindy.crain@g	gmail.com	Telephone: (575) 441-7244
OCD Only		
Received by:		Date:

	Page 22eof 45	55
Incident ID	nAPP2133730153	
District RP		
Facility ID		
Application ID		

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.				
What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)			
Did this release impact groundwater or surface water?	Yes X No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes 🏻 No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes 🗓 No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes 🏻 No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	Yes X No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes 🏻 No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes 🏻 No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes 🏻 No			
Did the release impact areas not on an exploration, development, production, or storage site?	Yes X 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.				

Ch	naracterization Report Checklist: Each of the following items must be included in the report.
<u></u>	. Due of the following the fol
X	Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
	Field data
X	Data table of soil contaminant concentration data
\mathbf{x}	Depth to water determination
X	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
X	Boring or excavation logs
\mathbf{x}	Photographs including date and GIS information
X	Topographic/Aerial maps

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.

X Laboratory data including chain of custody

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	8 8 7 7
Incident ID	nAPP2133730153
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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: Cindy Crain	Title: Agent for Sundown Energy, LP			
Signature:	Date:9/12/22			
email:cindy.crain@gmail.com	Telephone:(575) 441-7244			
OCD Only				
Received by: Jocelyn Harimon	Date: 09/12/2022			

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Incident ID nAPP2133730153

District RP
Facility ID
Application ID

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.			
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)			
<u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of any request for deferral of remediation.			
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.			
Extents of contamination must be fully delineated.			
Contamination does not cause an imminent risk to human health, the environment, or groundwater.			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.			
Printed Name: Cindy Crain Title: Agent for Sundown Energy, LP			
Signature: Date: Date:			
email:cindy,crain@gmail.com Telephone:(575) 441-7244			
OCD Only			
Received by: Jocelyn Harimon Date: Date:			
Approved Deferral Approved Deferral Approved			
Signature: Date:			

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Incident ID	nAPP2133730153
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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.		
☐ X A scaled site and sampling diagram as described in 19.15.29.	11 NMAC	
X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office	
X Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)	
☐ ☐ Description of remediation activities		
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Title: Agent for Sundown Energy, LP	
email:cindy.crain@gmail.com	Telephone:(575) 441-7244	
OCD Only	00/40/0000	
Received by: Jocelyn Harimon	Date: 09/12/2022	
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.	
Closure Approved by:	Date: 09/14/2022	
Printed Name: Jennifer Nobui	Title: Environmental Specialist A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 66198

CONDITIONS

Operator:	OGRID:
SUNDOWN ENERGY LP	232611
16400 Dallas Pkwy	Action Number:
Dallas, TX 75248	66198
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition		Condition Date	
	rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-	12/13/2021



Appendix B: NMOCD Correspondence



Cindy Crain <cindy.crain@gmail.com>

(Extension Denied) Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # aPP2133730153)

4 messages

Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Wed, Apr 13, 2022 at 11:53 AM

To: Cindy Crain <cindy.crain@gmail.com>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" < Jennifer. Nobui@state.nm.us>

RE: Incident #NAPP2133730153

Cindy,

A remediation plan was due on 2/26/2022. Your request for extension is denied. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Cindy Crain <cindy.crain@gmail.com> Sent: Tuesday, April 12, 2022 10:45 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>;

rbutler@elandenergy.com

Subject: [EXTERNAL] Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # aPP2133730153) - Request for

Extension

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

Dear OCD -

On November 28, 2021, 200 barrels (bbls) of crude oil were released from an oil tank at the Sundown Energy, LLC (Sundown) Bobbi State WF Unit #003 (Site). Approximately 185 bbls were recovered by vacuum truck. The release was verbally reported to the OCD on November 29, 2021, and the Initial C-141 (attached) was submitted via the Fee Portal on December 10, 2021.

Soil remediation has been underway since that time, in hopes that a Closure Report could be submitted within 90 days of the release. The most recent confirmation samples were collected on March 14, 2022. A summary table of laboratory results and a figure showing the sample locations and remaining concentrations are attached. As you can see on the attached table and figure, only 4 samples reported TPH and/or chloride concentrations above the Closure Criteria. As the Closure Report (with a request to defer remediation of areas within the tank battery until Time of Abandonment) was being prepared, Sundown elected to dismantle the tank battery.

Sundown respectfully requests a 180 day extension to allow time to dismantle the tank battery and remove equipment, complete soil remediation until all samples report concentrations below the Closure Criteria, and submit a Closure Report to the OCD.

Please let me know if you have any questions, need additional information, or approve the extension request.

Thank you,

Cindy Crain

Crain Environmental

2925 East 17th Street

Odessa, TX 79761

(575) 441-7244

Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Wed, Apr 13, 2022 at 12:10 PM

To: Cindy Crain <cindy.crain@gmail.com>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" < Jennifer. Nobui@state.nm.us>

Cindy,

I just talked to Mike about this incident. Since Sundown Energy is willing to dismantling the battery and move the tanks, we are willing to work with them. Unfortunately we can't give you a 180 day extension, but we can give you a 90 day extension from todays date. I will go ahead and approve this extension until 7/13/2022.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



[Quoted text hidden]

Cindy Crain <cindy.crain@gmail.com>

Wed, Apr 13, 2022 at 12:39 PM

To: "Hamlet, Robert, EMNRD" <Robert.Hamlet@state.nm.us>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>

Thank you, Robert -

Sundown will make every effort to have the tank battery dismantled in a time frame conducive to conducting final soil remediation and submittal of a Closure Report by the July 13, 2022 deadline. If any delays are encountered I will let you know.

Sincerely, Cindy Crain [Quoted text hidden]

Cindy Crain <cindy.crain@gmail.com>

Thu, Jul 7, 2022 at 2:54 PM

To: "Hamlet, Robert, EMNRD" < Robert. Hamlet@state.nm.us>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" < Jennifer. Nobui@state.nm.us>

Robert,

Remediation of the Bobbi State WF Unit #003 tank battery area has been underway since April 18, 2022.

Final lab results were received yesterday from samples collected on 6/24/22 and a copy of the report is attached. Also attached please find an updated summary table and a figure showing the sample locations and concentrations.

Since 6 of the samples (SS-1, SS-8, SS-23, SS-27, SS-28, and SS-30 [red dots on attached figure]) reported chloride concentrations above 600 mg/kg at a depth less than 4' bgs, the lab re-ran the chloride analysis on those samples. With the re-run, chloride concentrations in the 3 of the samples (SS-1, SS-8, and SS-23) were slightly reduced, but are still above the closure limit. The re-run results reported the same concentrations as originally in the remaining 3

samples (SS-27, SS-28, and SS-30). A copy of the preliminary report is also attached, and initial chloride results are shown in red on the last column of the attached table.

As remediation has not yet been completed, and a report is due to OCD on July 13, 2022, Sundown respectfully requests a 60-day extension to complete remediation and submit a Closure Report to the OCD. Every effort will be made to complete remediation and submit a Closure Report as soon as possible.

Please let me know if you have any questions, and if you approve the extension request.

Thank you, Cindy Crain [Quoted text hidden]

4 attachments





Bobbi 003 Table 1_6.24.22 Samples_revised.pdf 210K

Bobbi 003 Figures_6.24.22 Samples_revised.pdf 349K



Cindy Crain <cindy.crain@gmail.com>

(Final Extension) Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # NAPP2133730153)

3 messages

Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Thu, Jul 7, 2022 at 3:16 PM

To: Cindy Crain <cindy.crain@gmail.com>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@state.nm.us>

RE: Incident #NAPP2133730153

Cindy,

Your request for an extension to August 13th, 2022 is approved. This will be the final extension for this release. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



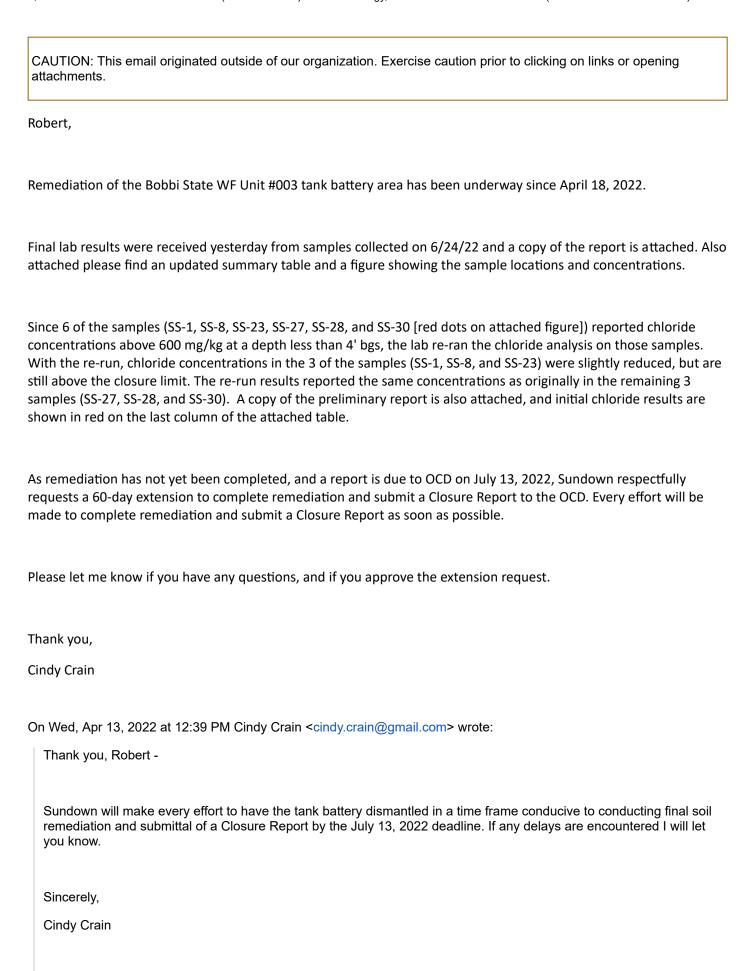
From: Cindy Crain < cindy.crain@gmail.com>

Sent: Thursday, July 7, 2022 1:54 PM

To: Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rbutler@elandenergy.com; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: [EXTERNAL] Re: (Extension Denied) Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # aPP2133730153)



On Wed, Apr 13, 2022 at 12:11 PM Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us> wrote:

Cindy,

I just talked to Mike about this incident. Since Sundown Energy is willing to dismantling the battery and move the tanks, we are willing to work with them. Unfortunately we can't give you a 180 day extension, but we can give you a 90 day extension from todays date. I will go ahead and approve this extension until 7/13/2022.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Hamlet, Robert, EMNRD

Sent: Wednesday, April 13, 2022 10:54 AM To: Cindy Crain <cindy.crain@gmail.com>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; rbutler@elandenergy.com; Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>

Subject: (Extension Denied) Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # aPP2133730153)

RE: Incident #NAPP2133730153

Cindy,

A remediation plan was due on 2/26/2022. Your request for extension is denied. Include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Cindy Crain <cindy.crain@gmail.com> Sent: Tuesday, April 12, 2022 10:45 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@state.nm.us>

Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD

<Robert.Hamlet@state.nm.us>; rbutler@elandenergy.com

Subject: [EXTERNAL] Sundown Energy, LLC - Bobbi State WF Unit #003 (Incident # aPP2133730153) - Request

for Extension

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

Dear OCD -

On November 28, 2021, 200 barrels (bbls) of crude oil were released from an oil tank at the Sundown Energy, LLC (Sundown) Bobbi State WF Unit #003 (Site). Approximately 185 bbls were recovered by vacuum truck. The release was verbally reported to the OCD on November 29, 2021, and the Initial C-141 (attached) was submitted via the Fee Portal on December 10, 2021.

Soil remediation has been underway since that time, in hopes that a Closure Report could be submitted within 90 days of the release. The most recent confirmation samples were collected on March 14, 2022. A summary table of laboratory results and a figure showing the sample locations and remaining concentrations are attached. As you can see on the attached table and figure, only 4 samples reported TPH and/or chloride concentrations above the Closure Criteria. As the Closure Report (with a request to defer remediation of areas within the tank battery until Time of Abandonment) was being prepared, Sundown elected to dismantle the tank battery.

Sundown respectfully requests a 180 day extension to allow time to dismantle the tank battery and remove equipment, complete soil remediation until all samples report concentrations below the Closure Criteria, and submit a Closure Report to the OCD.

Please let me know if you have any questions, need additional information, or approve the extension request.

Thank you,

Cindy Crain

Crain Environmental

2925 East 17th Street

Odessa, TX 79761

(575) 441-7244

Hamlet, Robert, EMNRD < Robert. Hamlet@state.nm.us>

Thu, Jul 7, 2022 at 3:18 PM

To: Cindy Crain <cindy.crain@gmail.com>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@state.nm.us>

Sorry, Extension to September 13th, 2022.

[Quoted text hidden]

Cindy Crain <cindy.crain@gmail.com>

Thu, Jul 7, 2022 at 3:36 PM

To: "Hamlet, Robert, EMNRD" < Robert. Hamlet@state.nm.us>

Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "rbutler@elandenergy.com" <rbutler@elandenergy.com>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>, "Harimon, Jocelyn, EMNRD" <Jocelyn.Harimon@state.nm.us>

Thank you, Robert!

Cindy Crain [Quoted text hidden]



Appendix C: Laboratory Reports and Chain-of-Custody Documentation



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-9902-1

Laboratory Sample Delivery Group: Lea Co., NM Client Project/Site: Bobbi State WF Unit #3

For:

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

KRAMER

Authorized for release by: 1/13/2022 1:29:27 PM

Jessica Kramer, Project Manager (432)704-5440 jessica.kramer@eurofinset.com

..... LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 9/14/2022 2:27:35 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

1

_

3

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6

8

11

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Laboratory Job ID: 880-9902-1

SDG: Lea Co., NM

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14

Definitions/Glossary

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier **Qualifier Description** S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG Negative / Absent POS Positive / Present PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Job ID: 880-9902-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-9902-1

Receipt

The samples were received on 1/5/2022 3:16 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -3.5 $^{\circ}$ C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland 1/13/2022

Matrix: Solid

Lab Sample ID: 880-9902-1

Job ID: 880-9902-1

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-1

Date Collected: 01/04/22 14:30 Date Received: 01/05/22 15:16

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/06/22 07:32	01/06/22 13:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				01/06/22 07:32	01/06/22 13:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130				01/06/22 07:32	01/06/22 13:19	1
- Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/07/22 08:36	1
niuiyio	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Allalyto	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	<50.0		RL	MDL	mg/Kg	<u>D</u>	Prepared	Analyzed 01/10/22 12:40	
Total TPH Method: 8015B NM - Diesel Rang	<50.0	U (GC)	50.0		mg/Kg		<u> </u>	01/10/22 12:40	1
Total TPH Method: 8015B NM - Diesel Rang Analyte	<50.0 ge Organics (D	RO) (GC) Qualifier	50.0	MDL	mg/Kg	D	Prepared	01/10/22 12:40 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	<50.0	RO) (GC) Qualifier	50.0		mg/Kg		<u> </u>	01/10/22 12:40	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 ge Organics (D	COO (GC) Qualifier U	50.0		mg/Kg		Prepared	01/10/22 12:40 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 ge Organics (Di Result <50.0	RO) (GC) Qualifier U	50.0 RL 50.0		mg/Kg Unit mg/Kg		Prepared 01/05/22 16:34	01/10/22 12:40 Analyzed 01/06/22 17:19	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 ge Organics (Di Result <50.0 <50.0	CO) (GC) Qualifier U	50.0 RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34	01/10/22 12:40 Analyzed 01/06/22 17:19 01/06/22 17:19	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0 ge Organics (Di Result <50.0 <50.0 <50.0	CO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34	Analyzed 01/06/22 17:19 01/06/22 17:19 01/06/22 17:19	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 ge Organics (Diamondress) Result <50.0 <50.0 <50.0 %Recovery	CO) (GC) Qualifier U	50.0 RL 50.0 50.0 50.0 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared	Analyzed 01/06/22 17:19 01/06/22 17:19 01/06/22 17:19 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 %Recovery 107 107	CO (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared 01/05/22 16:34	Analyzed 01/06/22 17:19 01/06/22 17:19 01/06/22 17:19 Analyzed 01/06/22 17:19	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 ge Organics (D) Result <50.0 <50.0 <50.0 <50.0 <70.0 *Recovery 107 107 comatography -	CO (GC) Qualifier U U Qualifier	50.0 RL 50.0 50.0 50.0 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared 01/05/22 16:34	Analyzed 01/06/22 17:19 01/06/22 17:19 01/06/22 17:19 Analyzed 01/06/22 17:19	Dil Fac

Client Sample ID: SS-2

Date Collected: 01/04/22 14:35 Date Received: 01/05/22 15:16

Released to Imaging: 9/14/2022 2:27:35 PM

Sample Depth: 3.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00756		0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
Toluene	0.117		0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
Ethylbenzene	0.0555		0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
m-Xylene & p-Xylene	0.112		0.00400		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
o-Xylene	0.0424		0.00200		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
Xylenes, Total	0.154		0.00400		mg/Kg		01/06/22 07:32	01/06/22 13:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				01/06/22 07:32	01/06/22 13:40	1

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-9902-2

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-2 Lab Sample ID: 880-9902-2 Matrix: Solid

Date Collected: 01/04/22 14:35 Date Received: 01/05/22 15:16

Sample Depth: 3.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	105	70 - 130	01/06/22 07:32	01/06/22 13:40	1

Method: Total	RTFX - Tota	I RTFX (Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.334	0.00400	mg/Kg		_	01/07/22 08:36	1

Mothod: 8015 NM	Diosal Range	Organice	(DRO) (GC)

Analyte	Result	Qualifier	RL	MDL U	Jnit	D	Prepared	Analyzed	Dil Fac
Total TPH	8650		250	n	ng/Kg			01/10/22 12:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	403		250		mg/Kg		01/05/22 16:34	01/06/22 17:39	5
Diesel Range Organics (Over C10-C28)	8250		250		mg/Kg		01/05/22 16:34	01/06/22 17:39	5
Oll Range Organics (Over C28-C36)	<250	U	250		mg/Kg		01/05/22 16:34	01/06/22 17:39	5
	a. =								

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	01/05/22 16:34	01/06/22 17:39	5
o-Terphenyl	118	70 - 130	01/05/22 16:34	01/06/22 17:39	5

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	15100		100		mg/Kg			_	01/13/22 11:42	20

Client Sample ID: SS-5 Lab Sample ID: 880-9902-5 Matrix: Solid

Date Collected: 01/04/22 14:50 Date Received: 01/05/22 15:16

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/06/22 07:32	01/06/22 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130				01/06/22 07:32	01/06/22 14:00	1
1,4-Difluorobenzene (Surr)	112		70 - 130				01/06/22 07:32	01/06/22 14:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403		mg/Kg			01/07/22 08:36	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	8920	250	mg/Kg			01/10/22 12:59	1

Matrix: Solid

Lab Sample ID: 880-9902-5

Client Sample Results

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-5

Date Collected: 01/04/22 14:50 Date Received: 01/05/22 15:16

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	434		250		mg/Kg		01/05/22 16:34	01/06/22 18:00	5
Diesel Range Organics (Over C10-C28)	8490		250		mg/Kg		01/05/22 16:34	01/06/22 18:00	5
Oll Range Organics (Over C28-C36)	<250	U	250		mg/Kg		01/05/22 16:34	01/06/22 18:00	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				01/05/22 16:34	01/06/22 18:00	5
o-Terphenyl	117		70 - 130				01/05/22 16:34	01/06/22 18:00	5
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS-7 Lab Sample ID: 880-9902-7 Date Collected: 01/04/22 15:00 Matrix: Solid

Date Received: 01/05/22 15:16

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
Toluene	< 0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
Ethylbenzene	0.00401		0.00199		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
m-Xylene & p-Xylene	0.00557		0.00398		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
o-Xylene	0.00430		0.00199		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
Xylenes, Total	0.00987		0.00398		mg/Kg		01/06/22 07:32	01/06/22 14:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				01/06/22 07:32	01/06/22 14:20	1
1,4-Difluorobenzene (Surr)	99		70 - 130				01/06/22 07:32	01/06/22 14:20	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0139		0.00398		mg/Kg			01/07/22 08:36	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	14000		250		mg/Kg			01/10/22 12:40	1
Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	291		250		mg/Kg		01/05/22 16:34	01/06/22 18:21	5
Diesel Range Organics (Over C10-C28)	13700		250		mg/Kg		01/05/22 16:34	01/06/22 18:21	5
Oll Range Organics (Over C28-C36)	<250	U	250		mg/Kg		01/05/22 16:34	01/06/22 18:21	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				01/05/22 16:34	01/06/22 18:21	5

Client Sample Results

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1

SDG: Lea Co., NM

Client Sample ID: SS-7

Date Collected: 01/04/22 15:00 Date Received: 01/05/22 15:16

Sample Depth: 2'

Lab Sample ID: 880-9902-7

Matrix: Solid

Method: 300.0 - Anions, Ion Chron	natography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2390		24.8		mg/Kg			01/07/22 22:38	5

Client Sample ID: SS-8 Lab Sample ID: 880-9902-8 Matrix: Solid

Date Collected: 01/04/22 15:05

Date Received: 01/05/22 15:16

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/06/22 07:32	01/06/22 15:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				01/06/22 07:32	01/06/22 15:43	1
1,4-Difluorobenzene (Surr)	111		70 - 130				01/06/22 07:32	01/06/22 15:43	1
Method: Total BTEX - Total BTE	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/07/22 08:36	1
Analyte Total TPH		Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/10/22 12:40	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/05/22 16:34	01/06/22 18:42	1
Diesel Range Organics (Over C10-C28)	973		50.0		mg/Kg		01/05/22 16:34	01/06/22 18:42	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 16:34	01/06/22 18:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				01/05/22 16:34	01/06/22 18:42	1
o-Terphenyl	123		70 - 130				01/05/22 16:34	01/06/22 18:42	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Matrix: Solid

Lab Sample ID: 880-9902-9

Client Sample Results

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-9

Date Collected: 01/04/22 15:10 Date Received: 01/05/22 15:16

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 16:25	
Toluene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 16:25	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 16:25	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/06/22 07:32	01/06/22 16:25	
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 16:25	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/06/22 07:32	01/06/22 16:25	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130				01/06/22 07:32	01/06/22 16:25	
1,4-Difluorobenzene (Surr)	110		70 - 130				01/06/22 07:32	01/06/22 16:25	
Method: Total BTEX - Total BTE	K Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/07/22 08:36	
Analyte								A II	DU E-
Total TPH		Qualifier		MDL		D	Prepared	Analyzed 01/10/22 12:40	
Total TPH	3420			MDL	mg/Kg	D	Prepared		Dil Fa
Total TPH Method: 8015B NM - Diesel Ran	3420 ge Organics (D	RO) (GC)	250		mg/Kg		<u> </u>	01/10/22 12:40	
Total TPH Method: 8015B NM - Diesel Rang Analyte	3420 ge Organics (D Result	RO) (GC) Qualifier	250	MDL	mg/Kg	<u>D</u>	Prepared	01/10/22 12:40 Analyzed	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	3420 ge Organics (D	RO) (GC) Qualifier	250		mg/Kg		<u> </u>	01/10/22 12:40	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	3420 ge Organics (D Result	RO) (GC) Qualifier	250		mg/Kg		Prepared	01/10/22 12:40 Analyzed	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (Di Result <250	RO) (GC) Qualifier	250 RL 250		mg/Kg Unit mg/Kg		Prepared 01/05/22 16:34	01/10/22 12:40 Analyzed 01/06/22 19:03	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (Di Result <250	RO) (GC) Qualifier	250 RL 250		mg/Kg Unit mg/Kg		Prepared 01/05/22 16:34	01/10/22 12:40 Analyzed 01/06/22 19:03	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	3420 ge Organics (Di Result <250 3420 <250 %Recovery	RO) (GC) Qualifier U	250 RL 250 250 250 250 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared	Analyzed 01/06/22 19:03 01/06/22 19:03 01/06/22 19:03 Analyzed	Dil Fa
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	3420 ge Organics (Di Result <250 3420 <250	RO) (GC) Qualifier U	250 RL 250 250 250		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34	Analyzed 01/06/22 19:03 01/06/22 19:03	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	3420 ge Organics (Di Result <250 3420 <250 %Recovery	RO) (GC) Qualifier U	250 RL 250 250 250 250 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared	Analyzed 01/06/22 19:03 01/06/22 19:03 01/06/22 19:03 Analyzed	Dil Fa
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	3420 ge Organics (Di Result <250 3420 <250 %Recovery 89 119 omatography -	RO) (GC) Qualifier U Qualifier	250 RL 250 250 250 250 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared 01/05/22 16:34	Analyzed 01/06/22 19:03 01/06/22 19:03 01/06/22 19:03 Analyzed 01/06/22 19:03	Dil Fa
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	3420 ge Organics (Di Result <250 3420 <250 %Recovery 89 119 omatography -	RO) (GC) Qualifier U	250 RL 250 250 250 250 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 01/05/22 16:34 01/05/22 16:34 01/05/22 16:34 Prepared 01/05/22 16:34	Analyzed 01/06/22 19:03 01/06/22 19:03 01/06/22 19:03 Analyzed 01/06/22 19:03	

Client Sample ID: SS-11

Date Collected: 01/04/22 15:25 Date Received: 01/05/22 15:16

Sample Depth: 6"

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/06/22 07:32	01/06/22 16:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130				01/06/22 07:32	01/06/22 16:45	

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Matrix: Solid

Lab Sample ID: 880-9902-11

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1

SDG: Lea Co., NM

Lab Sample ID: 880-9902-11

Client Sample ID: SS-11

Date Collected: 01/04/22 15:25 Date Received: 01/05/22 15:16

Sample Depth: 6"

Matrix: Solid
Matrix: Solid

Method: 8021B - Volatile Organic Compo	ounds (GC)	(Continued)
motification to a gaine compa	Julius (33)	(Continuou,

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	109	70 - 130	01/06/22 07:32	01/06/22 16:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404 U	0.00404	ma/Ka			01/07/22 08:36	1

ı			
ı	Mothod: 8015 NM -	Diesel Range Organio	e (DRO) (GC)

Analyte	Result Qualif	ier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	220	49.9	mg/Kg			01/10/22 12:40	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/07/22 02:26	1
Diesel Range Organics (Over C10-C28)	220		49.9		mg/Kg		01/06/22 11:08	01/07/22 02:26	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/07/22 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	76Recovery Qualifier	LIIIIII	Prepareu	Allalyzeu	DII Fac
1-Chlorooctane	104	70 - 130	01/06/22 11:0	8 01/07/22 02:26	1
o-Terphenyl	109	70 - 130	01/06/22 11:0	8 01/07/22 02:26	1
_					

Method: 300.0	- Anions, I	ion Chr	omatograpi	ny - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		4.97		mg/Kg			01/07/22 23:17	1

Client Sample ID: SS-12

Date Collected: 01/04/22 15:30

Lab Sample ID: 880-9902-12

Matrix: Solid

Date Collected: 01/04/22 15:30 Date Received: 01/05/22 15:16

Sample Depth: 6"

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/06/22 07:32	01/06/22 17:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				01/06/22 07:32	01/06/22 17:06	1
1,4-Difluorobenzene (Surr)	104		70 - 130				01/06/22 07:32	01/06/22 17:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402		ma/Ka				01/07/22 08:36	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	281	50.0	mg/Kg		_	01/10/22 12:40	1

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Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1 SDG: Lea Co., NM

Client Sample ID: SS-12

Date Collected: 01/04/22 15:30 Date Received: 01/05/22 15:16

Sample Depth: 6"

Lab Sample ID: 880-9902-12

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 13:43	1
Diesel Range Organics (Over C10-C28)	281		50.0		mg/Kg		01/06/22 11:08	01/07/22 13:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 13:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				01/06/22 11:08	01/07/22 13:43	1
o-Terphenyl	109		70 - 130				01/06/22 11:08	01/07/22 13:43	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	263	-	5.05		mg/Kg			01/07/22 23:25	1

Client Sample ID: SS-13 Lab Sample ID: 880-9902-13

Date Collected: 01/04/22 15:35

Date Received: 01/05/22 15:16

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	260		49.9		mg/Kg			01/10/22 12:40	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/07/22 00:41	1
Diesel Range Organics (Over	260		49.9		mg/Kg		01/06/22 11:08	01/07/22 00:41	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/07/22 00:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				01/06/22 11:08	01/07/22 00:41	1
o-Terphenyl	108		70 - 130				01/06/22 11:08	01/07/22 00:41	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	829		4.98		mg/Kg			01/07/22 23:49	

Client Sample ID: SS-14 Lab Sample ID: 880-9902-14 Date Collected: 01/04/22 15:40 **Matrix: Solid**

Date Received: 01/05/22 15:16

Sample Depth: 1'

Method: 8015 NM - Diesel Ran	3 3 (- / (- /							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	355		49.9		mg/Kg			01/10/22 12:40	
Mothod: 8015B NM - Diocal Pa	ngo Organice (DI	POV (GC)							
Method: 8015B NM - Diesel Ra Analyte		RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
		Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 01/06/22 11:08	Analyzed 01/07/22 01:23	Dil Fa

Eurofins Midland

Matrix: Solid

Client: Crain Environmental

802

Job ID: 880-9902-1

SDG: Lea Co., NM

Client Sample ID: SS-14

Date Collected: 01/04/22 15:40 Date Received: 01/05/22 15:16

Project/Site: Bobbi State WF Unit #3

Sample Depth: 1'

Lab Sample ID: 880-9902-14

01/07/22 23:57

Matrix: Solid

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	355		49.9		mg/Kg		01/06/22 11:08	01/07/22 01:23	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/07/22 01:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				01/06/22 11:08	01/07/22 01:23	1
o-Terphenyl	118		70 - 130				01/06/22 11:08	01/07/22 01:23	1
_ Method: 300.0 - Anions, Ion Chr	omatography -	Soluble							

Client Sample ID: SS-15 Lab Sample ID: 880-9902-15

4.95

mg/Kg

Date Collected: 01/04/22 15:55 Date Received: 01/05/22 15:16

Sample Depth: 1'

Chloride

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Dil Fac Prepared Analyzed 150 4.95 01/08/22 00:04 Chloride mg/Kg

Client Sample ID: SS-16 Lab Sample ID: 880-9902-16

Date Collected: 01/04/22 16:00 Date Received: 01/05/22 15:16

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	496		50.0		mg/Kg			01/10/22 12:40	1
· Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 01:44	1
(GRO)-C6-C10									
Diesel Range Organics (Over	496		50.0		mg/Kg		01/06/22 11:08	01/07/22 01:44	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 01:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				01/06/22 11:08	01/07/22 01:44	1
o-Terphenyl	115		70 - 130				01/06/22 11:08	01/07/22 01:44	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	309		5.00		mg/Kg			01/08/22 00:12	

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1

SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-9902-17

Client Sample ID: SS-17

Date Collected: 01/04/22 16:05 Date Received: 01/05/22 15:16

Sample Depth: 2'

Method: 8015 NM - Diesel Range C	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	138		50.0		mg/Kg			01/10/22 12:40	1

_Total TPH	138		50.0		mg/Kg			01/10/22 12:40	1
– Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 00:20	1
Diesel Range Organics (Over C10-C28)	138		50.0		mg/Kg		01/06/22 11:08	01/07/22 00:20	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/06/22 11:08	01/07/22 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130				01/06/22 11:08	01/07/22 00:20	1
o-Terphenyl	130		70 - 130				01/06/22 11:08	01/07/22 00:20	1

Method: 300.0 - Anions, Ion Chro	matography - So	oluble							
Analyte	Result Q	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2380		24.8		mg/Kg			01/08/22 00:20	5
Client Sample ID: SS-18							Lab San	nple ID: 880-9	902-18

Client Sample ID: SS-18

Date Collected: 01/04/22 16:10 Date Received: 01/05/22 15:16

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/06/22 07:32	01/06/22 17:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				01/06/22 07:32	01/06/22 17:26	1
1,4-Difluorobenzene (Surr)	103		70 - 130				01/06/22 07:32	01/06/22 17:26	1
Method: Total BTEX - Total BTEX Analyte Total BTEX	Result	Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed 01/07/22 08:36	Dil Fac
Analyte Total BTEX	Result < 0.00401	U	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 01/07/22 08:36	Dil Fac
	Result <0.00401	U		MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		1
Analyte Total BTEX Method: 8015 NM - Diesel Range	Result <0.00401	U (GC)	0.00401		mg/Kg	<u> </u>		01/07/22 08:36	1
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte	Result <0.00401 c Organics (DRC Result 260	O) (GC) Qualifier	0.00401		mg/Kg	<u> </u>		01/07/22 08:36 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range	Result <0.00401 Organics (DRO Result 260 ge Organics (DI	O) (GC) Qualifier	0.00401		mg/Kg Unit mg/Kg	<u> </u>		01/07/22 08:36 Analyzed	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	Result <0.00401 Organics (DRO Result 260 ge Organics (DI	O) (GC) Qualifier RO) (GC) Qualifier	0.00401 RL 50.0	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	01/07/22 08:36 Analyzed 01/10/22 12:40	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Result <0.00401 Organics (DRO Result 260 ge Organics (DI Result	O) (GC) Qualifier RO) (GC) Qualifier	0.00401 RL 50.0	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	01/07/22 08:36 Analyzed 01/10/22 12:40 Analyzed	Dil Fac Dil Fac 1 Dil Fac 1

Eurofins Midland

Matrix: Solid

Client Sample Results

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 Job ID: 880-9902-1

SDG: Lea Co., NM

Matrix: Solid

Client Sample ID: SS-18

Date Collected: 01/04/22 16:10 Date Received: 01/05/22 15:16 Lab Sample ID: 880-9902-18 Matrix: Solid

Sample Depth: 2'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101	70 - 130	01/06/22 11:08	01/07/22 02:05	1
o-Terphenyl	106	70 - 130	01/06/22 11:08	01/07/22 02:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 284 5.04 mg/Kg 01/08/22 00:28

Client Sample ID: SS-21 Lab Sample ID: 880-9902-21

Date Collected: 01/04/22 16:30

Date Received: 01/05/22 15:16

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 17:47	
Toluene	< 0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 17:47	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 17:47	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		01/06/22 07:32	01/06/22 17:47	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		01/06/22 07:32	01/06/22 17:47	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/06/22 07:32	01/06/22 17:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	118		70 - 130				01/06/22 07:32	01/06/22 17:47	
1,4-Difluorobenzene (Surr)	102		70 - 130				01/06/22 07:32	01/06/22 17:47	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/07/22 08:36	,
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/10/22 12:40	,
Method: 8015B NM - Diesel Rang	ge Organics (DI	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/06/22 20:49	•
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/06/22 20:49	•
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/06/22 11:08	01/06/22 20:49	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	121		70 - 130				01/06/22 11:08	01/06/22 20:49	
o-Terphenyl	123		70 - 130				01/06/22 11:08	01/06/22 20:49	•
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Wethou. 300.0 - Amons, fon Chire	omatograpmy -								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample Results

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 18:07	-
Toluene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 18:07	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 18:07	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		01/06/22 07:32	01/06/22 18:07	
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/06/22 07:32	01/06/22 18:07	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/06/22 07:32	01/06/22 18:07	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	122		70 - 130				01/06/22 07:32	01/06/22 18:07	
1,4-Difluorobenzene (Surr)	80		70 - 130				01/06/22 07:32	01/06/22 18:07	
Method: Total BTEX - Total BTE	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/07/22 08:36	
Analyte Total TPH	Result 21200	Qualifier		MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	21200		E00						
			500		mg/Kg			01/10/22 12:40	
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)	500		mg/Kg			01/10/22 12:40	
	• •	RO) (GC) Qualifier	RL	MDL	mg/Kg Unit	D	Prepared	01/10/22 12:40 Analyzed	
Analyte Gasoline Range Organics	• •			MDL		<u>D</u>	Prepared 01/06/22 11:08		Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result		RL	MDL	Unit	<u>D</u>		Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 2050	Qualifier	RL	MDL	Unit mg/Kg	<u> </u>	01/06/22 11:08	Analyzed 01/07/22 02:48	Dil Fa 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 2050	Qualifier U	RL 500	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/06/22 11:08	Analyzed 01/07/22 02:48 01/07/22 02:48	Dil Fa 10 10
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result 2050 19100 <500	Qualifier U	RL 500	MDL	Unit mg/Kg mg/Kg	<u> </u>	01/06/22 11:08 01/06/22 11:08 01/06/22 11:08	Analyzed 01/07/22 02:48 01/07/22 02:48	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result 2050 19100 <500 %Recovery	Qualifier U	RL 500 500 500 <i>Limits</i>	MDL	Unit mg/Kg mg/Kg	<u>D</u>	01/06/22 11:08 01/06/22 11:08 01/06/22 11:08 Prepared	Analyzed 01/07/22 02:48 01/07/22 02:48 01/07/22 02:48 Analyzed	Dil Fa 11 11 11 11 Dil Fa
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chr	Result 2050 19100 <500 %Recovery 88 116	Qualifier U Qualifier	RL 500 500 500 Limits 70 - 130	MDL	Unit mg/Kg mg/Kg	<u> </u>	01/06/22 11:08 01/06/22 11:08 01/06/22 11:08 Prepared 01/06/22 11:08	Analyzed 01/07/22 02:48 01/07/22 02:48 01/07/22 02:48 Analyzed 01/07/22 02:48	Dil Fac 10 10 10 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 2050 19100 <500 %Recovery 88 116	Qualifier U Qualifier	RL 500 500 500 Limits 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	01/06/22 11:08 01/06/22 11:08 01/06/22 11:08 Prepared 01/06/22 11:08	Analyzed 01/07/22 02:48 01/07/22 02:48 01/07/22 02:48 Analyzed 01/07/22 02:48	Dil Far

Surrogate Summary

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9902-1	SS-1	117	100	
880-9902-2	SS-2	122	105	
880-9902-5	SS-5	137 S1+	112	
880-9902-7	SS-7	116	99	
880-9902-8	SS-8	107	111	
880-9902-9	SS-9	100	110	
880-9902-11	SS-11	138 S1+	109	
880-9902-12	SS-12	121	104	
880-9902-18	SS-18	125	103	
880-9902-21	SS-21	118	102	
880-9902-22	SS-22	122	80	
LCS 880-16112/1-A	Lab Control Sample	120	121	
LCSD 880-16112/2-A	Lab Control Sample Dup	128	119	
MB 880-16112/5-A	Method Blank	127	130	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1001	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-9902-1	SS-1	107	107	
880-9902-2	SS-2	94	118	
880-9902-5	SS-5	116	117	
880-9902-7	SS-7	106	126	
880-9902-8	SS-8	113	123	
880-9902-9	SS-9	89	119	
380-9902-11	SS-11	104	109	
380-9902-12	SS-12	110	109	
380-9902-13	SS-13	105	108	
380-9902-14	SS-14	108	118	
380-9902-16	SS-16	111	115	
880-9902-17	SS-17	126	130	
380-9902-18	SS-18	101	106	
380-9902-21	SS-21	121	123	
880-9902-21 MS	SS-21	108	113	
380-9902-21 MSD	SS-21	94	88	
380-9902-22	SS-22	88	116	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Surrogate Summary

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-16102/2-A	Lab Control Sample	102	108	
LCS 880-16124/2-A	Lab Control Sample	100	103	
LCSD 880-16102/3-A	Lab Control Sample Dup	108	111	
LCSD 880-16124/3-A	Lab Control Sample Dup	103	104	
MB 880-16102/1-A	Method Blank	108	114	
MB 880-16124/1-A	Method Blank	110	114	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 Job ID: 880-9902-1 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16112/5-A

Matrix: Solid

Analysis Batch: 16113

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 16112

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 10:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 10:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 10:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/06/22 07:32	01/06/22 10:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/06/22 07:32	01/06/22 10:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/06/22 07:32	01/06/22 10:55	1

MB MB

MD MD

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130		01/06/22 07:32	01/06/22 10:55	1
1,4-Difluorobenzene (Surr)	130		70 - 130	C	01/06/22 07:32	01/06/22 10:55	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 16112

Matrix: Solid

Matrix: Solid

Analysis Batch: 16113

Analysis Batch: 16113

Lab Sample ID: LCS 880-16112/1-A

Lab Sample ID: LCSD 880-16112/2-A

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07566		mg/Kg		76	70 - 130	
Toluene	0.100	0.07089		mg/Kg		71	70 - 130	
Ethylbenzene	0.100	0.07448		mg/Kg		74	70 - 130	
m-Xylene & p-Xylene	0.200	0.1541		mg/Kg		77	70 - 130	
o-Xylene	0.100	0.07771		mg/Kg		78	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	121		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 16112

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08642		mg/Kg		86	70 - 130	13	35
Toluene	0.100	0.08292		mg/Kg		83	70 - 130	16	35
Ethylbenzene	0.100	0.07393		mg/Kg		74	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1777		mg/Kg		89	70 - 130	14	35
o-Xylene	0.100	0.07809		mg/Kg		78	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	128		70 - 130		
1,4-Difluorobenzene (Surr)	119		70 - 130		

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-16102/1-A

Matrix: Solid

Analysis Batch: 16116

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16102

	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		01/05/22 16:34	01/06/22 10:03	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		01/05/22 16:34	01/06/22 10:03	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/05/22 16:34	01/06/22 10:03	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				01/05/22 16:34	01/06/22 10:03	1
o-Terphenyl	114		70 - 130				01/05/22 16:34	01/06/22 10:03	1

Lab Sample ID: LCS 880-16102/2-A

Matrix: Solid

Analysis Batch: 16116

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16102

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits 968.7 Gasoline Range Organics 1000 97 70 - 130 mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 1021 mg/Kg 102 70 - 130C10-C28)

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 102 70 - 130 o-Terphenyl 108 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 16116

Matrix: Solid

Lab Sample ID: LCSD 880-16102/3-A

Prep Batch: 16102

LCSD LCSD RPD Spike %Rec. Limit Analyte Added Result Qualifier %Rec RPD Unit D Limits Gasoline Range Organics 1000 945.6 mg/Kg 95 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 998.5 mg/Kg 100 70 - 130 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	111	70 - 130

Lab Sample ID: MB 880-16124/1-A

Matrix: Solid

Analysis Batch: 16116

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 16124

мв мв

Dil Fac
1
1
1

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-16124/1-A

Matrix: Solid

Analysis Batch: 16116

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16124

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	-	01/06/22 11:08	01/06/22 19:45	1
o-Terphenyl	114		70 - 130		01/06/22 11:08	01/06/22 19:45	1

Lab Sample ID: LCS 880-16124/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 16116

Prep Type: Total/NA Prep Batch: 16124

	Spike	LCS	LCS			%Rec.	
Analyte	Added	Result	Qualifier	Unit	D %Red	Limits	
Gasoline Range Organics	1000	920.2		mg/Kg	92	70 - 130	
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	977.5		mg/Kg	98	3 70 - 130	
C10-C28)							

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	103		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 16116

Lab Sample ID: LCSD 880-16124/3-A

Prep Batch: 16124

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	 Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	927.2		mg/Kg		93	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	973.5		mg/Kg		97	70 - 130	0	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 880-9902-21 MS Client Sample ID: SS-21

Matrix: Solid Prep Type: Total/NA Analysis Batch: 16116 Prep Batch: 16124

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	1251		mg/Kg		126	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1278		mg/Kg		126	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	113	70 - 130

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 Job ID: 880-9902-1

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-9902-21 MSD

Matrix: Solid

Analysis Batch: 16116

Client Sample ID: SS-21

Prep Type: Total/NA Prep Batch: 16124

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	999	1053		mg/Kg		105	70 - 130	17	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	999	1114		mg/Kg		110	70 - 130	14	20

C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	94	70 - 130
o-Terphenyl	88	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16128/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 16259

мв мв

Analyte	Result	Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	r	mg/Kg			01/12/22 10:45	1

Lab Sample ID: LCS 880-16128/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 16259

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	263.8		mg/Kg		106	90 - 110	

Lab Sample ID: LCSD 880-16128/3-A

Matrix: Solid

Analysis Batch: 16259

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	273.3		mg/Kg	_	109	90 - 110	4	20

Lab Sample ID: MB 880-16236/1-A

Matrix: Solid

Analysis Batch: 16334

	MB	MR						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/K	g		01/07/22 22:15	1

Lab Sample ID: LCS 880-16236/2-A

Matrix: Solid

Analysis Batch: 16334

			Spike	LCS	LCS				%Rec.	
	Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
l	Chloride		250	244.6		mg/Kg		98	90 - 110	

Eurofins Midland

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Lab Sample ID: 880-9902-7 MS

Analysis Batch: 16334

Matrix: Solid

QC Sample Results

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-16236/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble** Analysis Batch: 16334 Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 246.3 mg/Kg 99 90 - 110

Client Sample ID: SS-7

Prep Type: Soluble

%Rec.

90 - 110

mg/Kg

Sample Sample Spike MS MS Result Qualifier Added Result Analyte Qualifier Unit D %Rec Limits Chloride 2390 1240 3544 mg/Kg 93 90 - 110

Lab Sample ID: 880-9902-7 MSD Client Sample ID: SS-7 **Matrix: Solid Prep Type: Soluble** Analysis Batch: 16334

MSD MSD %Rec. RPD Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 2390 1240 3513 mg/Kg 90 - 110

Lab Sample ID: 880-9902-18 MS Client Sample ID: SS-18 **Matrix: Solid Prep Type: Soluble**

Spike MS MS %Rec. Sample Sample Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits 523.3

252

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Lab Sample ID: 880-9902-18 MSD Client Sample ID: SS-18 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 16334

Analysis Batch: 16334

Chloride

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 252 91 284 513.6 mg/Kg 90 - 110 20

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

GC VOA

Prep Batch: 16112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	5035	
880-9902-2	SS-2	Total/NA	Solid	5035	
880-9902-5	SS-5	Total/NA	Solid	5035	
880-9902-7	SS-7	Total/NA	Solid	5035	
880-9902-8	SS-8	Total/NA	Solid	5035	
880-9902-9	SS-9	Total/NA	Solid	5035	
880-9902-11	SS-11	Total/NA	Solid	5035	
880-9902-12	SS-12	Total/NA	Solid	5035	
880-9902-18	SS-18	Total/NA	Solid	5035	
880-9902-21	SS-21	Total/NA	Solid	5035	
880-9902-22	SS-22	Total/NA	Solid	5035	
MB 880-16112/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16112/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16112/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 16113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	8021B	16112
880-9902-2	SS-2	Total/NA	Solid	8021B	16112
880-9902-5	SS-5	Total/NA	Solid	8021B	16112
880-9902-7	SS-7	Total/NA	Solid	8021B	16112
880-9902-8	SS-8	Total/NA	Solid	8021B	16112
880-9902-9	SS-9	Total/NA	Solid	8021B	16112
880-9902-11	SS-11	Total/NA	Solid	8021B	16112
880-9902-12	SS-12	Total/NA	Solid	8021B	16112
880-9902-18	SS-18	Total/NA	Solid	8021B	16112
880-9902-21	SS-21	Total/NA	Solid	8021B	16112
880-9902-22	SS-22	Total/NA	Solid	8021B	16112
MB 880-16112/5-A	Method Blank	Total/NA	Solid	8021B	16112
LCS 880-16112/1-A	Lab Control Sample	Total/NA	Solid	8021B	16112
LCSD 880-16112/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16112

Analysis Batch: 16206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	Total BTEX	
880-9902-2	SS-2	Total/NA	Solid	Total BTEX	
880-9902-5	SS-5	Total/NA	Solid	Total BTEX	
880-9902-7	SS-7	Total/NA	Solid	Total BTEX	
880-9902-8	SS-8	Total/NA	Solid	Total BTEX	
880-9902-9	SS-9	Total/NA	Solid	Total BTEX	
880-9902-11	SS-11	Total/NA	Solid	Total BTEX	
880-9902-12	SS-12	Total/NA	Solid	Total BTEX	
880-9902-18	SS-18	Total/NA	Solid	Total BTEX	
880-9902-21	SS-21	Total/NA	Solid	Total BTEX	
880-9902-22	SS-22	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 16102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	8015NM Prep	

Eurofins Midland

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Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

GC Semi VOA (Continued)

Prep Batch: 16102 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-2	SS-2	Total/NA	Solid	8015NM Prep	
880-9902-5	SS-5	Total/NA	Solid	8015NM Prep	
880-9902-7	SS-7	Total/NA	Solid	8015NM Prep	
880-9902-8	SS-8	Total/NA	Solid	8015NM Prep	
880-9902-9	SS-9	Total/NA	Solid	8015NM Prep	
MB 880-16102/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16102/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16102/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	8015B NM	16102
880-9902-2	SS-2	Total/NA	Solid	8015B NM	16102
880-9902-5	SS-5	Total/NA	Solid	8015B NM	16102
880-9902-7	SS-7	Total/NA	Solid	8015B NM	16102
880-9902-8	SS-8	Total/NA	Solid	8015B NM	16102
880-9902-9	SS-9	Total/NA	Solid	8015B NM	16102
880-9902-11	SS-11	Total/NA	Solid	8015B NM	16124
880-9902-12	SS-12	Total/NA	Solid	8015B NM	16124
880-9902-13	SS-13	Total/NA	Solid	8015B NM	16124
880-9902-14	SS-14	Total/NA	Solid	8015B NM	16124
880-9902-16	SS-16	Total/NA	Solid	8015B NM	16124
880-9902-17	SS-17	Total/NA	Solid	8015B NM	16124
880-9902-18	SS-18	Total/NA	Solid	8015B NM	16124
880-9902-21	SS-21	Total/NA	Solid	8015B NM	16124
880-9902-22	SS-22	Total/NA	Solid	8015B NM	16124
MB 880-16102/1-A	Method Blank	Total/NA	Solid	8015B NM	16102
MB 880-16124/1-A	Method Blank	Total/NA	Solid	8015B NM	16124
LCS 880-16102/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16102
LCS 880-16124/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16124
LCSD 880-16102/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16102
LCSD 880-16124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16124
880-9902-21 MS	SS-21	Total/NA	Solid	8015B NM	16124
880-9902-21 MSD	SS-21	Total/NA	Solid	8015B NM	16124

Prep Batch: 16124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-11	SS-11	Total/NA	Solid	8015NM Prep	
880-9902-12	SS-12	Total/NA	Solid	8015NM Prep	
880-9902-13	SS-13	Total/NA	Solid	8015NM Prep	
880-9902-14	SS-14	Total/NA	Solid	8015NM Prep	
880-9902-16	SS-16	Total/NA	Solid	8015NM Prep	
880-9902-17	SS-17	Total/NA	Solid	8015NM Prep	
880-9902-18	SS-18	Total/NA	Solid	8015NM Prep	
880-9902-21	SS-21	Total/NA	Solid	8015NM Prep	
880-9902-22	SS-22	Total/NA	Solid	8015NM Prep	
MB 880-16124/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16124/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16124/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-9902-21 MS	SS-21	Total/NA	Solid	8015NM Prep	
880-9902-21 MSD	SS-21	Total/NA	Solid	8015NM Prep	

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 16428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Total/NA	Solid	8015 NM	
880-9902-2	SS-2	Total/NA	Solid	8015 NM	
880-9902-5	SS-5	Total/NA	Solid	8015 NM	
880-9902-7	SS-7	Total/NA	Solid	8015 NM	
880-9902-8	SS-8	Total/NA	Solid	8015 NM	
880-9902-9	SS-9	Total/NA	Solid	8015 NM	
880-9902-11	SS-11	Total/NA	Solid	8015 NM	
880-9902-12	SS-12	Total/NA	Solid	8015 NM	
880-9902-13	SS-13	Total/NA	Solid	8015 NM	
880-9902-14	SS-14	Total/NA	Solid	8015 NM	
880-9902-16	SS-16	Total/NA	Solid	8015 NM	
880-9902-17	SS-17	Total/NA	Solid	8015 NM	
880-9902-18	SS-18	Total/NA	Solid	8015 NM	
880-9902-21	SS-21	Total/NA	Solid	8015 NM	
880-9902-22	SS-22	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 16128

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Soluble	Solid	DI Leach	
880-9902-2	SS-2	Soluble	Solid	DI Leach	
880-9902-5	SS-5	Soluble	Solid	DI Leach	
MB 880-16128/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16128/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16128/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 16236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-7	SS-7	Soluble	Solid	DI Leach	
880-9902-8	SS-8	Soluble	Solid	DI Leach	
880-9902-9	SS-9	Soluble	Solid	DI Leach	
380-9902-11	SS-11	Soluble	Solid	DI Leach	
380-9902-12	SS-12	Soluble	Solid	DI Leach	
380-9902-13	SS-13	Soluble	Solid	DI Leach	
880-9902-14	SS-14	Soluble	Solid	DI Leach	
380-9902-15	SS-15	Soluble	Solid	DI Leach	
380-9902-16	SS-16	Soluble	Solid	DI Leach	
380-9902-17	SS-17	Soluble	Solid	DI Leach	
380-9902-18	SS-18	Soluble	Solid	DI Leach	
380-9902-21	SS-21	Soluble	Solid	DI Leach	
380-9902-22	SS-22	Soluble	Solid	DI Leach	
MB 880-16236/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-16236/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-16236/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-9902-7 MS	SS-7	Soluble	Solid	DI Leach	
380-9902-7 MSD	SS-7	Soluble	Solid	DI Leach	
880-9902-18 MS	SS-18	Soluble	Solid	DI Leach	
880-9902-18 MSD	SS-18	Soluble	Solid	DI Leach	

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

HPLC/IC

Analysis Batch: 16259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-1	SS-1	Soluble	Solid	300.0	16128
880-9902-2	SS-2	Soluble	Solid	300.0	16128
880-9902-5	SS-5	Soluble	Solid	300.0	16128
MB 880-16128/1-A	Method Blank	Soluble	Solid	300.0	16128
LCS 880-16128/2-A	Lab Control Sample	Soluble	Solid	300.0	16128
LCSD 880-16128/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16128

Analysis Batch: 16334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-9902-7	SS-7	Soluble	Solid	300.0	16236
880-9902-8	SS-8	Soluble	Solid	300.0	16236
880-9902-9	SS-9	Soluble	Solid	300.0	16236
880-9902-11	SS-11	Soluble	Solid	300.0	16236
880-9902-12	SS-12	Soluble	Solid	300.0	16236
880-9902-13	SS-13	Soluble	Solid	300.0	16236
880-9902-14	SS-14	Soluble	Solid	300.0	16236
880-9902-15	SS-15	Soluble	Solid	300.0	16236
880-9902-16	SS-16	Soluble	Solid	300.0	16236
880-9902-17	SS-17	Soluble	Solid	300.0	16236
880-9902-18	SS-18	Soluble	Solid	300.0	16236
880-9902-21	SS-21	Soluble	Solid	300.0	16236
880-9902-22	SS-22	Soluble	Solid	300.0	16236
MB 880-16236/1-A	Method Blank	Soluble	Solid	300.0	16236
LCS 880-16236/2-A	Lab Control Sample	Soluble	Solid	300.0	16236
LCSD 880-16236/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16236
880-9902-7 MS	SS-7	Soluble	Solid	300.0	16236
880-9902-7 MSD	SS-7	Soluble	Solid	300.0	16236
880-9902-18 MS	SS-18	Soluble	Solid	300.0	16236
880-9902-18 MSD	SS-18	Soluble	Solid	300.0	16236

Eurofins Midland

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Job ID: 880-9902-1 SDG: Lea Co., NM

Client Sample ID: SS-1

Lab Sample ID: 880-9902-1

Matrix: Solid

Date Collected: 01/04/22 14:30 Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 13:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16102	01/05/22 16:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/06/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16128	01/06/22 11:46	CH	XEN MID
Soluble	Analysis	300.0		10			16259	01/13/22 11:33	CH	XEN MID

Client Sample ID: SS-2 Lab Sample ID: 880-9902-2

Date Collected: 01/04/22 14:35 Matrix: Solid

Date Received: 01/05/22 15:16

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.00 g 5 mL 16112 01/06/22 07:32 KL XEN MID Total/NA 8021B 5 mL 01/06/22 13:40 KLXEN MID Analysis 1 5 mL 16113 Total/NA Total BTEX 16206 01/07/22 08:36 XEN MID Analysis 1 ΚI Total/NA Analysis 8015 NM 16428 01/10/22 12:40 XEN MID Total/NA 16102 XEN MID Prep 8015NM Prep 10.02 g 01/05/22 16:34 DM 10 mL Total/NA Analysis 8015B NM 5 16116 01/06/22 17:39 AJ XEN MID Soluble СН XEN MID Leach DI Leach 5 g 50 mL 16128 01/06/22 11:46 Soluble Analysis 300.0 20 16259 01/13/22 11:42 CH XEN MID

Client Sample ID: SS-5 Lab Sample ID: 880-9902-5 Date Collected: 01/04/22 14:50

Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 14:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16102	01/05/22 16:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			16116	01/06/22 18:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16128	01/06/22 11:46	CH	XEN MID
Soluble	Analysis	300.0		5			16259	01/13/22 11:08	CH	XEN MID

Client Sample ID: SS-7 Lab Sample ID: 880-9902-7

Date Collected: 01/04/22 15:00 Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 14:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Released to Imaging: 9/14/2022 2:27:35 PM

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1 SDG: Lea Co., NM

Lab Sample ID: 880-9902-7

Matrix: Solid

Date Collected: 01/04/22 15:00 Date Received: 01/05/22 15:16

Client Sample ID: SS-7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16102	01/05/22 16:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			16116	01/06/22 18:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		5			16334	01/07/22 22:38	CH	XEN MID

Client Sample ID: SS-8 Lab Sample ID: 880-9902-8

Date Collected: 01/04/22 15:05 **Matrix: Solid** Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 15:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16102	01/05/22 16:34	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/06/22 18:42	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:02	CH	XEN MID

Lab Sample ID: 880-9902-9 **Client Sample ID: SS-9**

Date Collected: 01/04/22 15:10 **Matrix: Solid** Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 16:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16102	01/05/22 16:34	DM	XEN MID
Total/NA	Analysis	8015B NM		5			16116	01/06/22 19:03	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:10	CH	XEN MID

Lab Sample ID: 880-9902-11 **Client Sample ID: SS-11**

Date Collected: 01/04/22 15:25 **Matrix: Solid** Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 16:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 02:26	AJ	XEN MID

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1 SDG: Lea Co., NM

Lab Sample ID: 880-9902-11

Matrix: Solid

Client Sample ID: SS-11 Date Collected: 01/04/22 15:25 Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	16236	01/07/22 10:23	СН	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:17	CH	XEN MID

Client Sample ID: SS-12 Lab Sample ID: 880-9902-12

Date Collected: 01/04/22 15:30 **Matrix: Solid**

Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 17:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 13:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:25	CH	XEN MID

Client Sample ID: SS-13 Lab Sample ID: 880-9902-13

Date Collected: 01/04/22 15:35 **Matrix: Solid**

Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 00:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:49	CH	XEN MID

Client Sample ID: SS-14 Lab Sample ID: 880-9902-14

Date Collected: 01/04/22 15:40 Date Received: 01/05/22 15:16

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 01:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/07/22 23:57	CH	XEN MID

Matrix: Solid

Client: Crain Environmental Job ID: 880-9902-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-15 Lab Sample ID: 880-9902-15 Date Collected: 01/04/22 15:55

Matrix: Solid Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/08/22 00:04	CH	XEN MID

Client Sample ID: SS-16 Lab Sample ID: 880-9902-16

Date Collected: 01/04/22 16:00 **Matrix: Solid**

Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 01:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/08/22 00:12	CH	XEN MID

Client Sample ID: SS-17 Lab Sample ID: 880-9902-17

Date Collected: 01/04/22 16:05 **Matrix: Solid**

Date Received: 01/05/22 15:16

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	16236	01/07/22 10:23	СН	XEN MID
Soluble	Analysis	300.0		5			16334	01/08/22 00:20	CH	XEN MID

Client Sample ID: SS-18 Lab Sample ID: 880-9902-18

Date Collected: 01/04/22 16:10 Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 17:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/07/22 02:05	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		1			16334	01/08/22 00:28	CH	XEN MID

Eurofins Midland

Matrix: Solid

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1 SDG: Lea Co., NM

Lab Sample ID: 880-9902-21

Matrix: Solid

Client Sample ID: SS-21 Date Collected: 01/04/22 16:30 Date Received: 01/05/22 15:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	16112	01/06/22 07:32	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	16113	01/06/22 17:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			16206	01/07/22 08:36	KL	XEN MID
Total/NA	Analysis	8015 NM		1			16428	01/10/22 12:40	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	16124	01/06/22 11:08	DM	XEN MID
Total/NA	Analysis	8015B NM		1			16116	01/06/22 20:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	16236	01/07/22 10:23	CH	XEN MID
Soluble	Analysis	300.0		10			16334	01/08/22 00:52	CH	XEN MID

Lab Sample ID: 880-9902-22 **Client Sample ID: SS-22** Date Collected: 01/04/22 16:35 **Matrix: Solid**

Date Received: 01/05/22 15:16

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 4.96 g 5 mL 16112 01/06/22 07:32 KL XEN MID 8021B Total/NA 5 mL 01/06/22 18:07 KLXEN MID Analysis 1 5 mL 16113 Total/NA Total BTEX 16206 01/07/22 08:36 KL Analysis 1 XEN MID Total/NA Analysis 8015 NM 16428 01/10/22 12:40 XEN MID XEN MID Total/NA Prep 8015NM Prep 10.00 g 16124 01/06/22 11:08 DM 10 mL Total/NA Analysis 8015B NM 10 16116 01/07/22 02:48 ΑJ XEN MID Soluble XEN MID Leach DI Leach 5.05 g 50 mL 16236 01/07/22 10:23 CH Soluble Analysis 300.0 5 16334 01/08/22 00:59 CH XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-9902-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, bu	t the laboratory is not certif	ied by the governing authority. This list ma	av include analytes for wh
the agency does not of	fer certification.	•	, , ,	.,
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	-,
0 ,		Matrix Solid	Analyte Total TPH	

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Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1

SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-9902-1 SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-9902-1	SS-1	Solid	01/04/22 14:30	01/05/22 15:16	3'
880-9902-2	SS-2	Solid	01/04/22 14:35	01/05/22 15:16	3.5'
880-9902-5	SS-5	Solid	01/04/22 14:50	01/05/22 15:16	3'
880-9902-7	SS-7	Solid	01/04/22 15:00	01/05/22 15:16	2'
880-9902-8	SS-8	Solid	01/04/22 15:05	01/05/22 15:16	2'
880-9902-9	SS-9	Solid	01/04/22 15:10	01/05/22 15:16	2'
880-9902-11	SS-11	Solid	01/04/22 15:25	01/05/22 15:16	6"
880-9902-12	SS-12	Solid	01/04/22 15:30	01/05/22 15:16	6"
880-9902-13	SS-13	Solid	01/04/22 15:35	01/05/22 15:16	1'
880-9902-14	SS-14	Solid	01/04/22 15:40	01/05/22 15:16	1'
880-9902-15	SS-15	Solid	01/04/22 15:55	01/05/22 15:16	1'
880-9902-16	SS-16	Solid	01/04/22 16:00	01/05/22 15:16	2'
880-9902-17	SS-17	Solid	01/04/22 16:05	01/05/22 15:16	2'
880-9902-18	SS-18	Solid	01/04/22 16:10	01/05/22 15:16	2'
880-9902-21	SS-21	Solid	01/04/22 16:30	01/05/22 15:16	3'
880-9902-22	SS-22	Solid	01/04/22 16:35	01/05/22 15:16	2'

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eurofins.

Xenco

Environment Testing

City State ZIP-

Odessa.

79761

City, State ZIP

Company Name: roject Manager

Coin

Covironmenta

Bill to (if different)

Company Name

State of Project:

Program:

UST/PST ☐ PRP☐ Brownfields ☐

RRC 🗌

Superfund [

Work Order Comments

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Reporting Level III Level III PST/UST TRRP Level IV

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Chain of Custody

Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

6 4
Date/Time Relinquished by (Signate)
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.
8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni
Be B Cd Ca Cr Co Cu Fe Ph Mo
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ANALYSIS REQ
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-	eurofins	
Xenco	Environment Testing	

Project Manager

Bill to (if different)

Company Name

Company Name

7976

Reporting Level II Level III

State of Project: Program.

UST/PST PRP Brownfields

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Work Order Comments

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Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 Midland TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199

Work Order No: _
9962

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	**************************************		S-22 15162	The is	100 A	Sec. OX	Lindy L
Date/Time	Received by: (Signature)	Relinquished by (Signature)	Date/Time	9)	Received by (Signature)	(Signature)	Relinquished by (Signature)
	ons rol egotlated.	yorce: Signature or this occument and relinquistment of samples constitutes a value purchase order from client company to Eurofins Xenco, its affiliates and subcontractors, it assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	fins Xenco, its affiliates and subses incurred by the client if sucturofins Xenco, but not analyzed	er from client company to Euronsibility for any losses or experior each sample submitted to l	is constitutes a valid purchase ord se and shall not assume any respo	Il be liable only for the cost of sample mentage of \$85.00 will be applied to	ice: signature or this doct ervice. Eurofins Xenco wi urofins Xenco. A minimu
/ 7471	U Hg 1631/2451/7470/7471	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	b As Ba Be Cd Cr	ICLP / SPLP 6010 8RCRA	yzed TCLP/S	Circle Method(s) and Metal(s) to be analyzed	rcle Method(s) a
J V Zn	Mn Mo Nı K Se Ag SıO ₂ Na Sr Tl Sn U V Zn	a Cr Co Cu Fe Pb Mg Mn Mo	As Ba Be B Cd Ca	13PPM Texas 11 Al Sb	8RCRA	0 200.8 / 6020:	Total 200.7 / 6010
HOLD	H			J. W W	V 1620	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	55-20
HOLD	H6			むら	1615		55-19
			XXX	ي	1610		98-18
			X X	ه	1605		55-17
			X	21	1600		55-16
***************************************			X		1555		55-15
			X	1	1045		55-14
			X))535		55-13
			XX	10"	1530		55.12
			XXX	611 011	1/4/22 1525	S	95-11
Sample Comments	Sar		B	Depth Grab/ # of Comp Cont	Date Time Sampled Sampled	fication Matrix	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH+A		TE DO	35	Corrected Temperature		Total Containers.
Zn Acetate+NaOH Zn	Zn Aceta		X	34	Temperature Reading	Yes No N/A	Sample Custody Seals.
Na ₂ S ₂ O ₃ NaSO ₃	Na ₂ S ₂ O ₃		015 les	- O	Correction Factor	Yes No WA	Cooler Custody Seals
NABIS	NaHSO 4 NABIS			TACO ram	Thermometer ID:	(Yes No	Samples Received Intact
	H ₃ PO ₄ HP		1	Yes No	Yes to Wet Ice	Temp Blank	SAMPLE RECEIPT
,	H,50 4. H,			the lab if received by 4.30pm	the lab if reco	4	PO #
	HCL. HC			day received by	TAT starts the	Lindy Crain	Sampler's Name
	Cool Cool				Due Date	LEA CO NM	Project Location
lO DI Water: H-0	None NO			Rush Pres.	Knoutine	4	Project Number
Preservative Codes	Pre	ANALYSIS REQUEST		Turn Around	()	Bobbi State NF Unit #	Project Name
Other:	EDD ADaPT	(Pr) Deliverables	rain la grail con	linely. Ca	44 Email	1575) 441-7244	Phone:
		, 00	1000				

Relinquished by: (Signature)

Received by: (Signature)

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15,16

Date/Time

Relinquished by (Signature)

Received by: (Signature)

Date/Time

with Jan

Circle Method(s) and Metal(s) to be analyzed

Total 2007/6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO $_2$ Na Sr Tl Sn U V Zn

TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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	5		Chain of Custody	
			Houston, TX (281) 240-4200, Dallas TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Work Order No: 9962
	Xenco	EL Pasc	EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296	
	7	Hobbs	Hobbs, NM (575) 392 7550 Carlsbad NM (575) 988-3199	www.xenco.com Page 3 of 3
Project Manager	Circly Crain	Bill to (if different)	Kaph Bitle	⊃
Company Name:	Crain Covironmental	Company Name	Eland/ Survious	Program. UST/PST PRP Brownfields RRC Superfund
Address	2825 C. 174 St.	Address	NeyDO Dalbs Prom. Str. 100	State of Project: WW
City State ZIP	Obessa X 79761	City State ZIP:	- 1	Reporting Level II Level III PST/UST TRRP Level IV
Phone	1575) 441-7244	Email Cirph.	Circly. Crain @ Amail. com	Deliverables EDD ADaPT Other
Project Name $~~\mathcal{B}$	Bbbi Shat NF Unit # 3	Turn Around	ANALYSIS REQUES	JEST Preservative Codes
Project Number		Routine Rush	Pres. Code	None
Project Location	Calo, NM	Due Date		
Sampler's Name	Cian Har	TAT starts the day received by		
PO #	- /	the lab, if received by 4.30pm		,
SAMPLE RECEIPT	Temp Blank. Yes (No	Wet Ice (Yes) No	y Y	
Samples Received Intact:	(Yes No Thermometer ID	し トでの	5 /	NaHSO 4 NABIS
Cooler Custody Seals.	Yes No (N/A) Correction Factor	tor: p 10	0):	Na ,S ,O , NaSO ,
Sample Custody Seals	Yes No WA Temperature Reading	Reading - ろり	X	Zn Acetate+NaOH Zn
Total Containers.	Corrected Temperature	perature 35	TE.	NaOH+Ascorbic Acid SAPC
Sample Identification	Matrix Date Sampled	Time Depth Grab/	tof TP.	Sample Comments
55-21	5 1/4/22	1630 3: C		
55.22	1	1635 21 C	X	
		1		

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-9902-1

SDG Number: Lea Co., NM

Login Number: 9902 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	received a day after it was sampled
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-11100-1

Laboratory Sample Delivery Group: Lea Co., NM Client Project/Site: Bobbi State WF Unit #3

For:

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

MEAMER

Authorized for release by: 2/17/2022 1:55:30 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 9/14/2022 2:27:35 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Laboratory Job ID: 880-11100-1

SDG: Lea Co., NM

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Definitions/Glossary

Job ID: 880-11100-1 Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Qualifiers

GC VOA Qualifier

Qualifier Description F1 MS and/or MSD recovery exceeds control limits. F2 MS/MSD RPD exceeds control limits S1-Surrogate recovery exceeds control limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier Qualifier Description F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis Percent Recovery %R CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac Dilution Factor

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present **Practical Quantitation Limit PQL**

PRES Presumptive

Quality Control QC RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Job ID: 880-11100-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11100-1

Receipt

The samples were received on 2/9/2022 3:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18969 and analytical batch 880-19027 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19009 and analytical batch 880-18981 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS-2 (880-11100-2), SS-6 (880-11100-6), SS-14 (880-11100-13), SS-16 (880-11100-14), (880-11100-A-1-E MS) and (880-11100-A-1-F MSD). Evidence of matrix interferences is not obvious.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The method reporting limit check (MRL) for preparation batch 880-19061 and analytical batch 880-19410 recovered outside control limits for the following analytes: <AffectedAnalytes>. These analytes were biased high in the MRL and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Matrix: Solid

Lab Sample ID: 880-11100-1

Job ID: 880-11100-1

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Date Collected: 02/08/22 13:45 Date Received: 02/09/22 15:35

Sample Depth: 4.5'

Client Sample ID: SS-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F2 F1	0.00199		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
Toluene	<0.00199	U F2 F1	0.00199		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
Ethylbenzene	< 0.00199	U F2 F1	0.00199		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.00398		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		02/10/22 08:36	02/11/22 06:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/10/22 08:36	02/11/22 06:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/10/22 08:36	02/11/22 06:50	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range						_			
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang									
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 13:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1	50.0		mg/Kg		02/10/22 09:33	02/10/22 13:09	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/10/22 09:33	02/10/22 13:09	1
o-Terphenyl	74		70 - 130				02/10/22 09:33	02/10/22 13:09	1
Method: 300.0 - Anions, Ion Chro									
Analyte	Result	Qualifier	- RL 4.97	MDL	mg/Kg	D	Prepared	Analyzed 02/15/22 01:05	Dil Fac

Client Sample ID: SS-2 Lab Sample ID: 880-11100-2 Matrix: Solid

Date Collected: 02/08/22 13:50 Date Received: 02/09/22 15:35

Sample Depth: 5.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/10/22 08:36	02/11/22 07:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130				02/10/22 08:36	02/11/22 07:17	

Project/Site: Bobbi State WF Unit #3

30 S1-

Job ID: 880-11100-1

SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-11100-2

02/10/22 09:33

02/10/22 14:13

Client Sample ID: SS-2

Client: Crain Environmental

Date Collected: 02/08/22 13:50 Date Received: 02/09/22 15:35

Sample Depth: 5.5'

Method: 8021B - Volatile Organic	c Compounds	(GC) (Continued)
Welliou, 002 ID - Volalile Ordanii	c Compounds	(GC) (COIIIIIIueu)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	91		70 - 130	02/10/22 08:36	02/11/22 07:17	1

Mothod:	Total RTEX	- Total BTE	Calculation
welliou.	TOTAL DIEV	- IUIAI DIE	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	ı	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396		mg/Kg			_	02/14/22 08:53	1

Analyte	Result Qualifie	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	3830	49.9	mg/Kg			02/11/22 13:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 14:13	1
Diesel Range Organics (Over C10-C28)	3830		49.9		mg/Kg		02/10/22 09:33	02/10/22 14:13	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

o-Terphenyl	51	S1-
	 a	

Method. 300.0 - Allions, foli Chion	iatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chlorido	7420	24.8	ma/Ka			02/15/22 01:14	5

Client Sample ID: SS-3 Lab Sample ID: 880-11100-3 **Matrix: Solid**

Date Collected: 02/08/22 13:55 Date Received: 02/09/22 15:35

Sample Depth: 2'

1-Chlorooctane

Method:	8021B -	Volatile	Organic (Compounds	(GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 07:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				02/10/22 08:36	02/11/22 07:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130				02/10/22 08:36	02/11/22 07:45	1

Method: T	otal RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00400	U	0.00400		ma/Ka			02/14/22 08:53	1

Analyte	•	•	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			199		50.0		mg/Kg			02/11/22 13:02	1

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-3 Lab Sample ID: 880-11100-3 Matrix: Solid

Date Collected: 02/08/22 13:55 Date Received: 02/09/22 15:35

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 14:33	1
Diesel Range Organics (Over C10-C28)	199		50.0		mg/Kg		02/10/22 09:33	02/10/22 14:33	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/10/22 09:33	02/10/22 14:33	1
o-Terphenyl -	72		70 - 130				02/10/22 09:33	02/10/22 14:33	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Method: 300.0 - Anions, Ion Chro Analyte	0.,	Soluble Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS-4 Lab Sample ID: 880-11100-4 Date Collected: 02/08/22 14:00 Matrix: Solid

Date Received: 02/09/22 15:35

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/10/22 08:36	02/11/22 08:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130				02/10/22 08:36	02/11/22 08:33	1
1,4-Difluorobenzene (Surr)	127		70 - 130				02/10/22 08:36	02/11/22 08:33	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/22 08:53	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	101		49.9		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 14:53	1
Diesel Range Organics (Over C10-C28)	101		49.9		mg/Kg		02/10/22 09:33	02/10/22 14:53	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 14:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130				02/10/22 09:33	02/10/22 14:53	1
o-Terphenyl	72		70 ₋ 130				02/10/22 09:33	02/10/22 14:53	1

Matrix: Solid

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-4 Lab Sample ID: 880-11100-4

Date Collected: 02/08/22 14:00 Date Received: 02/09/22 15:35

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4030		24.9		mg/Kg			02/15/22 01:52	5

Client Sample ID: SS-5 Lab Sample ID: 880-11100-5 Matrix: Solid

Date Collected: 02/08/22 14:05 Date Received: 02/09/22 15:35

Sample Depth: 4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	0.0127		0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
Toluene	0.00242		0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
Ethylbenzene	0.00251		0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
m-Xylene & p-Xylene	0.00567		0.00404		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
o-Xylene	0.00375		0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
Xylenes, Total	0.00942		0.00404		mg/Kg		02/10/22 08:36	02/11/22 09:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				02/10/22 08:36	02/11/22 09:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130				02/10/22 08:36	02/11/22 09:00	1
Method: Total BTEX - Total BTEX									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.0271		0.00404		mg/Kg			02/14/22 08:53	1
Method: 8015 NM - Diesel Range	•								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	4830		49.9		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang	•								
Analyte		Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 15:14	1
Diesel Range Organics (Over C10-C28)	4830		49.9		mg/Kg		02/10/22 09:33	02/10/22 15:14	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 15:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130				02/10/22 09:33	02/10/22 15:14	1
o-Terphenyl	73		70 - 130				02/10/22 09:33	02/10/22 15:14	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8150		49.9		mg/Kg			02/15/22 02:02	10

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-11100-6

Client Sample ID: SS-6

Date Collected: 02/08/22 14:10 Date Received: 02/09/22 15:35

Sample Depth: 1'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/10/22 08:36	02/11/22 09:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				02/10/22 08:36	02/11/22 09:28	1
1,4-Difluorobenzene (Surr)	105		70 - 130				02/10/22 08:36	02/11/22 09:28	1
Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/22 08:53	1
Method: 8015 NM - Diesel Range		-, (,							
Analyte Total TPH		Qualifier	RL	MDL	Unit ma/Ka	<u>D</u>	Prepared	Analyzed	
	Result 186	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/11/22 13:02	
Analyte Total TPH Method: 8015B NM - Diesel Rang	186	<u> </u>		MDL		<u>D</u>	Prepared		
Total TPH	186 ge Organics (D	<u> </u>				<u>D</u>	Prepared Prepared		1
Total TPH Method: 8015B NM - Diesel Rang	186 ge Organics (D	RO) (GC) Qualifier	49.9		mg/Kg		<u> </u>	02/11/22 13:02	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	186 ge Organics (D Result	RO) (GC) Qualifier	49.9		mg/Kg		Prepared	02/11/22 13:02 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D Result <49.9	RO) (GC) Qualifier	49.9 RL 49.9		mg/Kg Unit mg/Kg		Prepared 02/10/22 09:33	02/11/22 13:02 Analyzed 02/10/22 15:34	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.9	RO) (GC) Qualifier U	49.9 RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33	02/11/22 13:02 Analyzed 02/10/22 15:34 02/10/22 15:34	Dil Fac
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	186 ge Organics (D Result <49.9 186 <49.9	RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33 02/10/22 09:33	02/11/22 13:02 Analyzed 02/10/22 15:34 02/10/22 15:34	Dil Face 1 1 1 Dil Face
Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	186 ge Organics (D Result <49.9 186 <49.9 %Recovery 67	RO) (GC) Qualifier U	49.9 RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared	Analyzed 02/10/22 15:34 02/10/22 15:34 02/10/22 15:34 Analyzed	Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	186 ge Organics (D Result <49.9 186 <49.9 %Recovery 67 67	Qualifier U Qualifier S1- S1-	49.9 RL 49.9 49.9 49.9 Limits 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared 02/10/22 09:33	02/11/22 13:02 Analyzed 02/10/22 15:34 02/10/22 15:34 Analyzed 02/10/22 15:34	Dil Fac
Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	186 ge Organics (D Result <49.9 186 <49.9 %Recovery 67 67 comatography -	Qualifier U Qualifier S1- S1-	49.9 RL 49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared 02/10/22 09:33	02/11/22 13:02 Analyzed 02/10/22 15:34 02/10/22 15:34 Analyzed 02/10/22 15:34	Dil Fac 1 Dil Fac 1 1 Dil Fac 1 Dil Fac 1 Dil Fac

Client Sample ID: SS-7

Date Collected: 02/08/22 14:15

Date Received: 02/09/22 15:35

Sample Depth: 3'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/10/22 08:36	02/11/22 09:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				02/10/22 08:36	02/11/22 09:56	-

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Lab Sample ID: 880-11100-7

Matrix: Solid

Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Client Sample ID: SS-7 Lab Sample ID: 880-11100-7 Matrix: Solid

Date Collected: 02/08/22 14:15 Date Received: 02/09/22 15:35

Sample Depth: 3'

Method: 8021B - Volatile Organic Compo	ounds (GC)	(Continued)
mothodi coz iz rolatilo olgalilo compt	Julius (33)	(Continuou,

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	113	70 - 130	02/10/22 08:36	02/11/22 09:56	1

Method: Tot	al BTEX - Tota	al BTEX Ca	alculation
mounou. Tot	u. D. L		aiouiutioii

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403		mg/Kg			02/14/22 08:53	1

1					
Moth	nod: 8015 NM	Diocal Bana	o Organica	IDDOVIC	105
INIELI	IOU. OU 15 INIVI	- Diesei Kang	e Organics	ין נטאטן	3C)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	495	50.0	mg/Kg			02/11/22 13:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 15:55	1
Diesel Range Organics (Over C10-C28)	495		50.0		mg/Kg		02/10/22 09:33	02/10/22 15:55	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 15:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane	74	70 - 130
o-Terphenyl	75	70 - 130

L ' '							
Method: 300.0 - Anions, Ion (Chromatography - Soluble						
Δnalvto	Result Qualifier	RI	MDI Unit	D	Prenared	Analyzed	Dil Fac

Allalyte	Result	Qualifier	KL	MDL OIII	U	Frepareu	Analyzeu	DII Fac
Chloride	1750		25.0	mg/Kg		_	02/15/22 02:21	5

Client Sample ID: SS-8 Lab Sample ID: 880-11100-8 Matrix: Solid Date Collected: 02/08/22 14:20

Date Received: 02/09/22 15:35

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/10/22 08:36	02/11/22 10:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130				02/10/22 08:36	02/11/22 10:23	1
1,4-Difluorobenzene (Surr)	102		70 - 130				02/10/22 08:36	02/11/22 10:23	1

Mothod:	Total RTF	Y - Total R	TFX Calculatio	n

Analyte	Result	Qualifier	RL	MDL	Unit	[כ	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398		ma/Ka				02/14/22 08:53	1

Method. 0013 MM - Dieser Kange Organics (DRO) (GC)	Method: 8015 NM - Die	esel Range C	Organics (DRO)	(GC)
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Analyte	•	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		360		50.0		mg/Kg			02/11/22 13:02	1

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02/10/22 09:33

02/10/22 09:33

02/10/22 15:55

02/10/22 15:55

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Client Sample ID: SS-8 Lab Sample ID: 880-11100-8 Date Collected: 02/08/22 14:20

Date Received: 02/09/22 15:35

Matrix: Solid

Sample Depth: 2'

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 16:15	1
Diesel Range Organics (Over C10-C28)	360		50.0		mg/Kg		02/10/22 09:33	02/10/22 16:15	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 16:15	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130				02/10/22 09:33	02/10/22 16:15	1
o-Terphenyl	71		70 - 130				02/10/22 09:33	02/10/22 16:15	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2450		25.0		mg/Kg			02/15/22 02:30	

Lab Sample ID: 880-11100-9 **Client Sample ID: SS-9**

Date Collected: 02/08/22 14:25 Matrix: Solid

Date Received: 02/09/22 15:35

Sample Depth: 2'

	Compounds (
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 10:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130				02/10/22 08:36	02/11/22 10:51	1
1,4-Difluorobenzene (Surr)	87		70 - 130				02/10/22 08:36	02/11/22 10:51	1
Method: Total BTEX - Total BTEX	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/14/22 08:53	1
- '''			0.00400		mg/Kg			02/14/22 08:53	1
Method: 8015 NM - Diesel Range	Organics (DR		0.00400 RL	MDL			Prepared		1 Dil Fac
- '''	Organics (DR	O) (GC)		MDL		<u>D</u>	Prepared	02/14/22 08:53 Analyzed 02/11/22 13:02	
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR Result 229	O) (GC) Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte	Organics (DR Result 229 ge Organics (D	O) (GC) Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	Organics (DR Result 229 ge Organics (D	O) (GC) Qualifier RO) (GC) Qualifier	RL 49.9		Unit mg/Kg			Analyzed 02/11/22 13:02	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	Organics (DR Result 229 ge Organics (D Result	O) (GC) Qualifier RO) (GC) Qualifier	RL		Unit mg/Kg		Prepared	Analyzed 02/11/22 13:02 Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DR Result 229 ge Organics (D Result < 49.9	Qualifier RO) (GC) Qualifier U	RL 49.9 RL 49.9		Unit mg/Kg Unit mg/Kg		Prepared 02/10/22 09:33	Analyzed 02/11/22 13:02 Analyzed 02/10/22 16:35	Dil Fac Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (DR Result 229 ge Organics (D Result < 49.9	Qualifier RO) (GC) Qualifier U	RL 49.9 RL 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33	Analyzed 02/11/22 13:02 Analyzed 02/10/22 16:35 02/10/22 16:35	Dil Fac Dil Fac 1 1 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (DR Result 229 ge Organics (D Result < 49.9 < 49.9	Qualifier RO) (GC) Qualifier U	RL 49.9 RL 49.9 49.9 49.9		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 02/10/22 09:33 02/10/22 09:33 02/10/22 09:33	Analyzed 02/11/22 13:02 Analyzed 02/10/22 16:35 02/10/22 16:35	Dil Fac Dil Fac 1

Client Sample Results

Client: Crain Environmental

Client Sample ID: SS-9

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Lab Sample ID: 880-11100-9

Matrix: Solid

Date Collected: 02/08/22 14:25 Date Received: 02/09/22 15:35

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2950	F1	24.8		mg/Kg			02/15/22 02:40	5

Client Sample ID: SS-11 Lab Sample ID: 880-11100-10 **Matrix: Solid**

Date Collected: 02/08/22 14:30 Date Received: 02/09/22 15:35

Method: Total BTEX - Total BTEX Calculation

Sample Depth: 1.5'

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 16:00	02/12/22 14:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				02/11/22 16:00	02/12/22 14:18	1
1,4-Difluorobenzene (Surr)	79		70 - 130				02/11/22 16:00	02/12/22 14:18	1

Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/22 09:43	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	206		50.0		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 16:56	
(GPO)-C6-C10									1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	206		50.0		mg/Kg		02/10/22 09:33	02/10/22 16:56	1

RL

MDL Unit

Prepared

Analyzed

Result Qualifier

	Surrogate	%Recovery	Qualifier	Limits	Pro	epared	Analyzed	Dil Fac
	1-Chlorooctane	71		70 - 130	02/10	0/22 09:33	02/10/22 16:56	1
	o-Terphenyl	71		70 - 130	02/10	0/22 09:33	02/10/22 16:56	1
ì	_							

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3980		24.9		mg/Kg			02/15/22 17:57	5

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Dil Fac

Date Received: 02/09/22 15:35

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Client Sample ID: SS-12 Lab Sample ID: 880-11100-11 Date Collected: 02/08/22 14:35

Matrix: Solid

Sample Depth: 1.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/11/22 16:00	02/12/22 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				02/11/22 16:00	02/12/22 14:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				02/11/22 16:00	02/12/22 14:38	1
- Method: Total BTEX - Total BTE)	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/14/22 09:43	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 17:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 17:36	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 17:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				02/10/22 09:33	02/10/22 17:36	1
o-Terphenyl	70		70 - 130				02/10/22 09:33	02/10/22 17:36	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
A = 14 =	Popult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Resuit	Qualifier		IVIDE	Ollit		riepaieu	Allalyzeu	Dii Fac

Client Sample ID: SS-13 Lab Sample ID: 880-11100-12

Date Collected: 02/08/22 14:40 Date Received: 02/09/22 15:35

Sample Depth: 4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/11/22 16:00	02/12/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/11/22 16:00	02/12/22 14:59	1

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Matrix: Solid

Project/Site: Bobbi State WF Unit #3

Date Received: 02/09/22 15:35

Job ID: 880-11100-1

SDG: Lea Co., NM

Client Sample ID: SS-13 Lab Sample ID: 880-11100-12 Date Collected: 02/08/22 14:40

Matrix: Solid

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds	(GC)	(Continued)
Welliou. 002 ID - Volatile Organic Compounds	(60)	(Continueu)

Surrogate	%Recovery G	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	02/11/22 16:00	02/12/22 14:59	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00402	U	0.00402	ma/Ka			02/14/22 09:43	1

BASALS SIL OCAP NIBA	Diseasi Demana Onnenias	

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			02/11/22 13:02	1

		_			
Method: 8015B	NM - Diesel	Range Org	ranics ('DROL	GC
motriou. ou rob	THE DIGGOL	itunge or	garnoo (D. (O)	(–

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 17:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 17:57	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 17:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	76Recovery Qualifier	LIIIIII	rrepareu	Allalyzeu	DII Fac
1-Chlorooctane	77	70 - 130	02/10/22 09:3	3 02/10/22 17:57	1
o-Terphenyl	77	70 - 130	02/10/22 09:3	3 02/10/22 17:57	1
_					

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	433	5.01		mg/Kg			02/15/22 18:33	1

Client Sample ID: SS-14 Lab Sample ID: 880-11100-13 **Matrix: Solid**

Date Collected: 02/08/22 14:45 Date Received: 02/09/22 15:35

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/11/22 16:00	02/12/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				02/11/22 16:00	02/12/22 15:19	1
1,4-Difluorobenzene (Surr)	107		70 - 130				02/11/22 16:00	02/12/22 15:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396		ma/Ka			02/14/22 09:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	ma/Ka			02/11/22 13:02	1

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

Matrix: Solid

Matrix: Solid

SDG: Lea Co., NM

Lab Sample ID: 880-11100-13

Lab Sample ID: 880-11100-14

Client Sample ID: SS-14

Date Collected: 02/08/22 14:45

Date Received: 02/09/22 15:35

Sample Depth: 4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 18:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 18:18	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 18:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130				02/10/22 09:33	02/10/22 18:18	1
o-Terphenyl	69	S1-	70 - 130				02/10/22 09:33	02/10/22 18:18	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: SS-16

Date Collected: 02/08/22 14:50

Date Received: 02/09/22 15:35

Sample Depth: 4.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 16:00	02/12/22 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				02/11/22 16:00	02/12/22 15:40	1
1,4-Difluorobenzene (Surr)	72		70 - 130				02/11/22 16:00	02/12/22 15:40	1
Method: Total BTEX - Total BTEX	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/22 09:43	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/11/22 13:02	1
Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 18:39	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 18:39	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 18:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130				02/10/22 09:33	02/10/22 18:39	1
o-Terphenyl	73		70 - 130				02/10/22 09:33	02/10/22 18:39	1

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-11100-14

Client Sample ID: SS-16 Date Collected: 02/08/22 14:50

Date Received: 02/09/22 15:35

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	674		4.95		mg/Kg			02/15/22 18:51	1

Client Sample ID: SS-17 Lab Sample ID: 880-11100-15 **Matrix: Solid**

Date Collected: 02/08/22 14:55

Date Received: 02/09/22 15:35 Sample Depth: 4.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/11/22 16:00	02/12/22 16:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				02/11/22 16:00	02/12/22 16:00	1
1,4-Difluorobenzene (Surr)	111		70 - 130				02/11/22 16:00	02/12/22 16:00	1
· Method: Total BTEX - Total BTE)	(Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/22 09:43	1
Method: 8015 NM - Diesel Range Analyte Total TPH	•	Qualifier		MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 02/11/22 13:02	Dil Fac
.			30.0		mg/Kg			02/11/22 13.02	'
Method: 8015B NM - Diesel Rang						_			
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:00	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				02/10/22 09:33	02/10/22 19:00	1
o-Terphenyl	88		70 - 130				02/10/22 09:33	02/10/22 19:00	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Posult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier		IVIDL	OTHE		riepaieu	Allalyzeu	

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

Lab Sample ID: 880-11100-16

SDG: Lea Co., NM

Matrix: Solid

Client Sample ID: SS-18

Date Collected: 02/08/22 15:00 Date Received: 02/09/22 15:35

Sample Depth: 4'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/11/22 16:00	02/12/22 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				02/11/22 16:00	02/12/22 16:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130				02/11/22 16:00	02/12/22 16:21	1
- Method: Total BTEX - Total BTEX	X Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/22 09:43	1
	81.2	Quanner	49.9	WIDE	mg/Kg	=	Trepareu	02/11/22 13:02	
Analyte Total TPH		Qualifier	RL 49.9	MDL		D	Prepared	Analyzed 02/11/22 13:02	Dil Fac
									'
Method: 8015B NM - Diesel Rand	ne Organics (D	RO) (GC)							,
•	• •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	
Analyte	• •	Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared 02/10/22 09:33		Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier		MDL		D		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier		MDL		<u>D</u>		Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	02/10/22 09:33	Analyzed 02/10/22 19:21 02/10/22 19:21	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u> </u>	02/10/22 09:33	Analyzed 02/10/22 19:21	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result	Qualifier U	49.9 49.9 49.9 <i>Limits</i>	MDL	mg/Kg	<u>D</u>	02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared	Analyzed 02/10/22 19:21 02/10/22 19:21 02/10/22 19:21 Analyzed	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result <49.9 81.2 <49.9	Qualifier U	49.9 49.9 49.9	MDL	mg/Kg	<u> </u>	02/10/22 09:33 02/10/22 09:33 02/10/22 09:33	Analyzed 02/10/22 19:21 02/10/22 19:21 02/10/22 19:21	Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier U	49.9 49.9 49.9 <i>Limits</i>	MDL	mg/Kg	<u> </u>	02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared	Analyzed 02/10/22 19:21 02/10/22 19:21 02/10/22 19:21 Analyzed	Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg	<u>D</u>	02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared 02/10/22 09:33	Analyzed 02/10/22 19:21 02/10/22 19:21 02/10/22 19:21 Analyzed 02/10/22 19:21	Dil Fac 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	02/10/22 09:33 02/10/22 09:33 02/10/22 09:33 Prepared 02/10/22 09:33	Analyzed 02/10/22 19:21 02/10/22 19:21 02/10/22 19:21 Analyzed 02/10/22 19:21	Dil Fac

Client Sample ID: SS-21

Date Collected: 02/08/22 15:05

Date Received: 02/09/22 15:35

Sample Depth: 4.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 16:00	02/12/22 16:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130				02/11/22 16:00	02/12/22 16:41	1

Eurofins Midland

Lab Sample ID: 880-11100-17

Matrix: Solid

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Matrix: Solid

Lab Sample ID: 880-11100-17

Lab Sample ID: 880-11100-18

Matrix: Solid

Date Collected: 02/08/22 15:05 Date Received: 02/09/22 15:35

Client Sample ID: SS-21

Sample Depth: 4.5'

Method: 8021B -	Volatile Ord	anic Com	nounds (C	GC) ((Continued)	
Method. 002 1D	Volatile Oit		poullus (C	30) I	(Continueu)	

Surrogate	%Recovery Qua	ıalifier Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	97	70 - 130	02/11/22 16:00	02/12/22 16:41	1

Mathad:	Total	RTFY -	Total	RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	ma/Ka			02/14/22 09:43	1

Mothod: 8015 NM - Diesel Range	Organice	(DRO) (GC)

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg		_	02/11/22 13:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 19:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1-Chlorooctane	71	70 - 130
o-Terphenyl	70	70 - 130

Mathada 200 0 Aniana Jan Chuanatannan	Oalubia				
o-Terphenyl	70	70 - 130	02/10/22 09:33	02/10/22 19:43	1
1-Chioroctane	/ /	10 - 130	02/10/22 09.33	02/10/22 19.43	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	823	4.97	mg/Kg		_	02/15/22 19:35	1

Client Sample ID: SS-22

Date Collected: 02/08/22 15:10

Date Received: 02/09/22 15:35

Sample Depth: 2'

Mothod: 9021D	Volatila Organia	Compounds (GC)
I WIELIIOU. OUZ ID '	• voiatile Organic	Compounds (GC)

mountain colling and and and and		(/							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/11/22 16:00	02/12/22 17:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				02/11/22 16:00	02/12/22 17:02	1
1,4-Difluorobenzene (Surr)	78		70 - 130				02/11/22 16:00	02/12/22 17:02	1

Mothod:	Total RT	EY - Tota	I DTEY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		ma/Ka			02/14/22 09:43	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	•	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH		62.5		49.9		mg/Kg		 	02/11/22 13:02	1

Client Sample Results

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Lab Sample ID: 880-11100-18 **Client Sample ID: SS-22** Matrix: Solid

Date Collected: 02/08/22 15:10 Date Received: 02/09/22 15:35

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 20:05	1
(GRO)-C6-C10									
Diesel Range Organics (Over	62.5		49.9		mg/Kg		02/10/22 09:33	02/10/22 20:05	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/22 09:33	02/10/22 20:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130				02/10/22 09:33	02/10/22 20:05	1
o-Terphenyl	83		70 - 130				02/10/22 09:33	02/10/22 20:05	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		4.95		mg/Kg		-	02/15/22 19:44	1

Surrogate Summary

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-11100-1	SS-1	98	94	
80-11100-1 MS	SS-1	96	114	
80-11100-1 MSD	SS-1	77	92	
80-11100-2	SS-2	92	91	
80-11100-3	SS-3	108	98	
80-11100-4	SS-4	87	127	
80-11100-5	SS-5	110	91	
80-11100-6	SS-6	125	105	
80-11100-7	SS-7	115	113	
80-11100-8	SS-8	88	102	
80-11100-9	SS-9	134 S1+	87	
80-11100-10	SS-11	99	79	
80-11100-11	SS-12	101	100	
80-11100-12	SS-13	105	98	
80-11100-13	SS-14	117	107	
80-11100-14	SS-16	118	72	
80-11100-15	SS-17	98	111	
80-11100-16	SS-18	111	94	
80-11100-17	SS-21	132 S1+	97	
80-11100-18	SS-22	105	78	
80-11152-A-31-A MS	Matrix Spike	109	99	
80-11152-A-31-B MSD	Matrix Spike Duplicate	106	114	
CS 880-18969/1-A	Lab Control Sample	92	117	
CS 880-19036/1-A	Lab Control Sample	93	106	
CSD 880-18969/2-A	Lab Control Sample Dup	90	112	
CSD 880-19036/2-A	Lab Control Sample Dup	97	88	
1B 880-18968/5-A	Method Blank	68 S1-	101	
1B 880-18969/5-A	Method Blank	69 S1-	97	
/IB 880-19035/5-A	Method Blank	89	100	
MB 880-19036/5-A	Method Blank	104	104	
Surrogate Legend				

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-11100-1	SS-1	72	74	
80-11100-1 MS	SS-1	66 S1-	56 S1-	
80-11100-1 MSD	SS-1	64 S1-	55 S1-	
80-11100-2	SS-2	30 S1-	51 S1-	
80-11100-3	SS-3	73	72	
80-11100-4	SS-4	70	72	
80-11100-5	SS-5	75	73	
80-11100-6	SS-6	67 S1-	67 S1-	
30-11100-7	SS-7	74	75	

Surrogate Summary

Client: Crain Environmental Job ID: 880-11100-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-11100-8	SS-8	72	71	
880-11100-9	SS-9	73	74	
880-11100-10	SS-11	71	71	
880-11100-11	SS-12	71	70	
880-11100-12	SS-13	77	77	
880-11100-13	SS-14	69 S1-	69 S1-	
880-11100-14	SS-16	67 S1-	73	
880-11100-15	SS-17	83	88	
880-11100-16	SS-18	82	87	
880-11100-17	SS-21	71	70	
880-11100-18	SS-22	77	83	
LCS 880-19009/2-A	Lab Control Sample	95	86	
LCSD 880-19009/3-A	Lab Control Sample Dup	94	83	
MB 880-19009/1-A	Method Blank	73	76	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Method: 8021B - Volatile Organic Compounds (GC)

Job ID: 880-11100-1

Client Sample ID: Method Blank

Client Sample ID: Method Blank

SDG: Lea Co., NM

Lab Sample ID: MB 880-18968/5-A

Matrix: Solid

Analysis Batch: 19027

Prep Type: Total/NA Prep Batch: 18968 MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/10/22 08:33	02/10/22 16:22	1
	MB	МВ							

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	02/10/22 08:33	02/10/22 16:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/10/22 08:33	02/10/22 16:22	1

Lab Sample ID: MB 880-18969/5-A

Matrix: Solid

Analysis Batch: 19027

Prep Type: Total/NA Prep Batch: 18969 MR MR

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 06:22	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 06:22	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 06:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 06:22	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/10/22 08:36	02/11/22 06:22	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/10/22 08:36	02/11/22 06:22	1

Surrogate	%Recovery	Qualifier	Limits		
4-Bromofluorobenzene (Surr)	69	S1-	70 - 130		
1.4-Difluorobenzene (Surr)	97		70 - 130		

Prepared Analyzed 02/10/22 08:36 02/11/22 06:22 02/10/22 08:36 02/11/22 06:22

Lab Sample ID: LCS 880-18969/1-A **Matrix: Solid**

Analysis Batch: 19027

Client Sample ID: Lab Control Sample Prep Type: Total/NA Prep Batch: 18969

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09629		mg/Kg		96	70 - 130	
Toluene	0.100	0.09081		mg/Kg		91	70 - 130	
Ethylbenzene	0.100	0.08931		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	0.200	0.1859		mg/Kg		93	70 - 130	
o-Xylene	0.100	0.1028		mg/Kg		103	70 - 130	

	LCS		
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	117		70 - 130

Lab Sample ID: LCSD 880-18969/2-A	Client Sample ID: Lab Control Sample Dup
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 19027	Prep Batch: 18969

мв мв

Spike LCSD LCSD RPD %Rec. Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.09204 mg/Kg 92 70 - 130 5

Prep Batch: 18969

Client Sample ID: SS-1

QC Sample Results

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-18969/2-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid Analysis Batch: 19027

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit 0.100 Toluene 0.08516 85 70 - 130 35 mg/Kg 6 Ethylbenzene 0.100 0.08402 mg/Kg 84 70 - 130 35 0.200 0.1735 87 70 - 130 m-Xylene & p-Xylene mg/Kg 35 o-Xylene 0.100 0.09310 mg/Kg 93 70 - 130 10 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-11100-1 MS

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 19027** Prep Batch: 18969 Spike MS MS %Rec. Sample Sample

Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Benzene <0.00199 U F2 F1 0.100 0.06571 F1 65 70 - 130 mg/Kg Toluene <0.00199 U F2 F1 0.100 0.06687 F1 67 70 - 130 mg/Kg Ethylbenzene <0.00199 U F2 F1 0.100 0.06208 F1 62 70 - 130 mg/Kg 0.201 m-Xylene & p-Xylene <0.00398 U F2 F1 0.1343 F1 67 70 - 130 mg/Kg o-Xylene <0.00199 UF1 0.100 0.07325 mg/Kg 73 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1,4-Difluorobenzene (Surr)	114	70 - 130

Lab Sample ID: 880-11100-1 MSD

Matrix: Solid

Analysis Batch: 19027

Client Sample ID: SS-1 Prep Type: Total/NA Prep Batch: 18969

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00199	U F2 F1	0.0996	0.02846	F2 F1	mg/Kg		29	70 - 130	79	35	
Toluene	<0.00199	U F2 F1	0.0996	0.03141	F2 F1	mg/Kg		32	70 - 130	72	35	
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.09476	F2	mg/Kg		95	70 - 130	42	35	
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.199	0.05484	F2 F1	mg/Kg		28	70 - 130	84	35	
o-Xylene	<0.00199	U F1	0.0996	0.05772	F1	mg/Kg		58	70 - 130	24	35	

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	77	70 - 130
1,4-Difluorobenzene (Surr)	92	70 - 130

Lab Sample ID: MB 880-19035/5-A

Matrix: Solid

Analysis Batch: 19116

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 19035

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL Un	nit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg	g/Kg	_	02/11/22 11:13	02/11/22 22:14	1
Toluene	<0.00200	U	0.00200	mg	g/Kg		02/11/22 11:13	02/11/22 22:14	1
Ethylbenzene	<0.00200	U	0.00200	mg	g/Kg		02/11/22 11:13	02/11/22 22:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg	g/Kg		02/11/22 11:13	02/11/22 22:14	1

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

a Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-19035/5-A

Matrix: Solid

Analysis Batch: 19116

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19035

Analyte	Result	Qualifier	RL	MDL Uni	it	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200	mg.	/Kg		02/11/22 11:13	02/11/22 22:14	1
Xylenes, Total	<0.00400	U	0.00400	mg	/Kg		02/11/22 11:13	02/11/22 22:14	1

MB MB

MR MR

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89	70 - 130	02/11/22 11:13	02/11/22 22:14	1
1,4-Difluorobenzene (Surr)	100	70 - 130	02/11/22 11:13	02/11/22 22:14	1

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19036

Lab Sample ID: MB 880-19036/5-A Matrix: Solid

Analysis Batch: 19116

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 09:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 09:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 09:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/11/22 16:00	02/12/22 09:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/11/22 16:00	02/12/22 09:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/11/22 16:00	02/12/22 09:09	1

MB MB

Surrogate	%Recovery Qu	ualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	70 - 130	02/11/22 16:00	02/12/22 09:09	1
1,4-Difluorobenzene (Surr)	104	70 - 130	02/11/22 16:00	02/12/22 09:09	1

Lab Sample ID: LCS 880-19036/1-A

Matrix: Solid

Analysis Batch: 19116

Client Sample	ID: Lab	Control	Sample
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Prep Type: Total/NA

Prep Batch: 19036

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09249		mg/Kg		92	70 - 130	
Toluene	0.100	0.09207		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.09926		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.1837		mg/Kg		92	70 - 130	
o-Xylene	0.100	0.09006		mg/Kg		90	70 - 130	
1				5 5				

LCS LCS

Surrogate	%Recovery (Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-19036/2-A

Matrix: Solid

Analysis Batch: 19116

Client	Sample	ID: I ah	Control	Sample	Dun

Prep Type: Total/NA

Prep Batch: 19036

•	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08701		mg/Kg		87	70 - 130	6	35
Toluene	0.100	0.08975		mg/Kg		90	70 - 130	3	35
Ethylbenzene	0.100	0.09948		mg/Kg		99	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1868		mg/Kg		93	70 - 130	2	35
o-Xylene	0.100	0.09313		mg/Kg		93	70 - 130	3	35

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QC Sample Results

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	88		70 - 130

Lab Sample ID: 880-11152-A-31-A MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 19116** Prep Batch: 19036

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.0998	0.06812	F1	mg/Kg		68	70 - 130	
Toluene	<0.00201	U	0.0998	0.07261		mg/Kg		73	70 - 130	
Ethylbenzene	<0.00201	U	0.0998	0.08506		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1566		mg/Kg		78	70 - 130	
o-Xylene	<0.00201	U	0.0998	0.08036		mg/Kg		81	70 - 130	

MS MS Qualifier Limits Surrogate %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 109 1,4-Difluorobenzene (Surr) 99 70 - 130

Lab Sample ID: 880-11152-A-31-B MSD

Matrix: Solid

Analysis Batch: 19116

Prep Batch: 19036 %Rec. Spike MSD MSD RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.0998 <0.00201 UF1 0.08550 mg/Kg 86 70 - 130 23 35 Toluene <0.00201 U 0.0998 0.08578 86 70 - 130 35 mg/Kg 17 Ethylbenzene <0.00201 U 0.0998 0.09057 91 70 - 130 35 mg/Kg 6 m-Xylene & p-Xylene <0.00402 U 0.200 0.1705 mg/Kg 85 70 - 130 8 35 o-Xylene <0.00201 U 0.0998 0.08550 mg/Kg 86 70 - 130 35

MSD MSD Qualifier Surrogate %Recovery Limits 70 - 130 4-Bromofluorobenzene (Surr) 106 1,4-Difluorobenzene (Surr) 114 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-19009/1-A

Matrix: Solid

Analysis Batch: 18981

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 11:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 11:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/22 09:33	02/10/22 11:37	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130	02/10/22 09:33	02/10/22 11:37	1
o-Terphenyl	76		70 - 130	02/10/22 09:33	02/10/22 11:37	1

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Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 19009

Prep Type: Total/NA

Lab Sample ID: LCS 880-19009/2-A

Lab Sample ID: LCSD 880-19009/3-A

Matrix: Solid

Matrix: Solid

o-Terphenyl

Analysis Batch: 18981

Analysis Batch: 18981

QC Sample Results

Client: Crain Environmental Job ID: 880-11100-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 19009

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	968.5		mg/Kg		97	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	907.9		mg/Kg		91	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	95		70 - 130
o-Terphenyl	86		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 19009

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	957.3		mg/Kg		96	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	868.6		mg/Kg		87	70 - 130	4	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	94	70 - 130
o-Terphenyl	83	70 - 130

Lab Sample ID: 880-11100-1 MS Client Sample ID: SS-1 **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 18981**

Prep Batch: 19009

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	842.4		mg/Kg		84	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U F1	1000	704.7	F1	mg/Kg		66	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 66 S1-70 - 130 70 - 130

56 S1-

Lab Sample ID: 880-11100-1 MSD Client Sample ID: SS-1 Prep Type: Total/NA

Matrix: Solid Analysis Batch: 18981

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	828.2		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	694.6	F1	mg/Kg		65	70 - 130	1	20

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 64 S1-70 - 130

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Prep Batch: 19009

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-11100-1 MSD **Matrix: Solid**

Analysis Batch: 18981

Client Sample ID: SS-1 Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample Dup

Prep Batch: 19009

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: SS-9

Client Sample ID: SS-9

Client Sample ID: Method Blank

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 55 S1-70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19061/1-A

Matrix: Solid

Analysis Batch: 19410

MB MB

Result Qualifier RL

Analyte

MDL Unit D Dil Fac Prepared Analyzed Chloride <5.00 5.00 02/14/22 23:58 mg/Kg

Lab Sample ID: LCS 880-19061/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

LCS LCS

Analysis Batch: 19410

Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Chloride 250 267.9 mg/Kg 107 90 - 110

Lab Sample ID: LCSD 880-19061/3-A

Matrix: Solid

Analysis Batch: 19410

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 266.7 90 - 110 mg/Kg 107 20

Lab Sample ID: 880-11100-9 MS

Matrix: Solid

Analysis Batch: 19410

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec Result Chloride 2950 F1 1240 4226 103 90 - 110 mg/Kg

Lab Sample ID: 880-11100-9 MSD

Matrix: Solid

Analysis Batch: 19410

Sample Sample Spike MSD MSD %Rec. RPD Qualifier Added Qualifier RPD Limit Analyte Result Result Unit %Rec Limits Chloride F1 1240 4450 F1 121 90 - 110 2950 mg/Kg

Lab Sample ID: MB 880-19064/1-A

Matrix: Solid

Analysis Batch: 19435

MB MB

Result Qualifier Analyte RL MDL Analyzed Dil Fac Unit D Prepared Chloride 5.00 <5.00 U 02/15/22 17:31 mg/Kg

QC Sample Results

Client: Crain Environmental Job ID: 880-11100-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-19064/2-A

Client Sample ID: Lab Control Sample
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 19435

 Analyte
 LCS LCS
 %Rec.

 Chloride
 250
 255.9
 mg/Kg
 102
 90 - 110

Lab Sample ID: LCSD 880-19064/3-A

Client Sample ID: Lab Control Sample Dup
Matrix: Solid

Prep Type: Soluble

Analysis Batch: 19435

Spike LCSD LCSD %Rec. RPD Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Chloride 250 255.3 mg/Kg 102 0

Lab Sample ID: 880-11100-10 MS

Matrix: Solid

Client Sample ID: SS-11

Prep Type: Soluble

Analysis Batch: 19435

MS MS %Rec. Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 3980 1240 5341 110 mg/Kg 90 - 110

Lab Sample ID: 880-11100-10 MSD

Matrix: Solid

Analysis Batch: 19435

Sample Sample MSD MSD RPD Spike %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 3980 Chloride 1240 5334 109 90 - 110 0 20 mg/Kg

Eurofins Midland

Client Sample ID: SS-11

Prep Type: Soluble

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Co., NM

GC VOA

Prep Batch: 18968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-18968/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 18969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Total/NA	Solid	5035	
880-11100-2	SS-2	Total/NA	Solid	5035	
880-11100-3	SS-3	Total/NA	Solid	5035	
880-11100-4	SS-4	Total/NA	Solid	5035	
880-11100-5	SS-5	Total/NA	Solid	5035	
880-11100-6	SS-6	Total/NA	Solid	5035	
880-11100-7	SS-7	Total/NA	Solid	5035	
880-11100-8	SS-8	Total/NA	Solid	5035	
880-11100-9	SS-9	Total/NA	Solid	5035	
MB 880-18969/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18969/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18969/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11100-1 MS	SS-1	Total/NA	Solid	5035	
880-11100-1 MSD	SS-1	Total/NA	Solid	5035	

Analysis Batch: 19027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Total/NA	Solid	8021B	18969
880-11100-2	SS-2	Total/NA	Solid	8021B	18969
880-11100-3	SS-3	Total/NA	Solid	8021B	18969
880-11100-4	SS-4	Total/NA	Solid	8021B	18969
880-11100-5	SS-5	Total/NA	Solid	8021B	18969
880-11100-6	SS-6	Total/NA	Solid	8021B	18969
880-11100-7	SS-7	Total/NA	Solid	8021B	18969
880-11100-8	SS-8	Total/NA	Solid	8021B	18969
880-11100-9	SS-9	Total/NA	Solid	8021B	18969
MB 880-18968/5-A	Method Blank	Total/NA	Solid	8021B	18968
MB 880-18969/5-A	Method Blank	Total/NA	Solid	8021B	18969
LCS 880-18969/1-A	Lab Control Sample	Total/NA	Solid	8021B	18969
LCSD 880-18969/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18969
880-11100-1 MS	SS-1	Total/NA	Solid	8021B	18969
880-11100-1 MSD	SS-1	Total/NA	Solid	8021B	18969

Prep Batch: 19035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-19035/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 19036

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-10	SS-11	Total/NA	Solid	5035	
880-11100-11	SS-12	Total/NA	Solid	5035	
880-11100-12	SS-13	Total/NA	Solid	5035	
880-11100-13	SS-14	Total/NA	Solid	5035	
880-11100-14	SS-16	Total/NA	Solid	5035	
880-11100-15	SS-17	Total/NA	Solid	5035	
880-11100-16	SS-18	Total/NA	Solid	5035	
880-11100-17	SS-21	Total/NA	Solid	5035	

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

GC VOA (Continued)

Prep Batch: 19036 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-18	SS-22	Total/NA	Solid	5035	
MB 880-19036/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19036/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19036/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11152-A-31-A MS	Matrix Spike	Total/NA	Solid	5035	
880-11152-A-31-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 19116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-10	SS-11	Total/NA	Solid	8021B	19036
880-11100-11	SS-12	Total/NA	Solid	8021B	19036
880-11100-12	SS-13	Total/NA	Solid	8021B	19036
880-11100-13	SS-14	Total/NA	Solid	8021B	19036
880-11100-14	SS-16	Total/NA	Solid	8021B	19036
880-11100-15	SS-17	Total/NA	Solid	8021B	19036
880-11100-16	SS-18	Total/NA	Solid	8021B	19036
880-11100-17	SS-21	Total/NA	Solid	8021B	19036
880-11100-18	SS-22	Total/NA	Solid	8021B	19036
MB 880-19035/5-A	Method Blank	Total/NA	Solid	8021B	19035
MB 880-19036/5-A	Method Blank	Total/NA	Solid	8021B	19036
LCS 880-19036/1-A	Lab Control Sample	Total/NA	Solid	8021B	19036
LCSD 880-19036/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19036
880-11152-A-31-A MS	Matrix Spike	Total/NA	Solid	8021B	19036
880-11152-A-31-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19036

Analysis Batch: 19290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Total/NA	Solid	Total BTEX	
880-11100-2	SS-2	Total/NA	Solid	Total BTEX	
880-11100-3	SS-3	Total/NA	Solid	Total BTEX	
880-11100-4	SS-4	Total/NA	Solid	Total BTEX	
880-11100-5	SS-5	Total/NA	Solid	Total BTEX	
880-11100-6	SS-6	Total/NA	Solid	Total BTEX	
880-11100-7	SS-7	Total/NA	Solid	Total BTEX	
880-11100-8	SS-8	Total/NA	Solid	Total BTEX	
880-11100-9	SS-9	Total/NA	Solid	Total BTEX	

Analysis Batch: 19350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-10	SS-11	Total/NA	Solid	Total BTEX	
880-11100-11	SS-12	Total/NA	Solid	Total BTEX	
880-11100-12	SS-13	Total/NA	Solid	Total BTEX	
880-11100-13	SS-14	Total/NA	Solid	Total BTEX	
880-11100-14	SS-16	Total/NA	Solid	Total BTEX	
880-11100-15	SS-17	Total/NA	Solid	Total BTEX	
880-11100-16	SS-18	Total/NA	Solid	Total BTEX	
880-11100-17	SS-21	Total/NA	Solid	Total BTEX	
880-11100-18	SS-22	Total/NA	Solid	Total BTEX	

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 Job ID: 880-11100-1

SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 18981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Total/NA	Solid	8015B NM	19009
880-11100-2	SS-2	Total/NA	Solid	8015B NM	19009
880-11100-3	SS-3	Total/NA	Solid	8015B NM	19009
880-11100-4	SS-4	Total/NA	Solid	8015B NM	19009
880-11100-5	SS-5	Total/NA	Solid	8015B NM	19009
880-11100-6	SS-6	Total/NA	Solid	8015B NM	19009
880-11100-7	SS-7	Total/NA	Solid	8015B NM	19009
880-11100-8	SS-8	Total/NA	Solid	8015B NM	19009
880-11100-9	SS-9	Total/NA	Solid	8015B NM	19009
880-11100-10	SS-11	Total/NA	Solid	8015B NM	19009
880-11100-11	SS-12	Total/NA	Solid	8015B NM	19009
880-11100-12	SS-13	Total/NA	Solid	8015B NM	19009
880-11100-13	SS-14	Total/NA	Solid	8015B NM	19009
880-11100-14	SS-16	Total/NA	Solid	8015B NM	19009
880-11100-15	SS-17	Total/NA	Solid	8015B NM	19009
880-11100-16	SS-18	Total/NA	Solid	8015B NM	19009
880-11100-17	SS-21	Total/NA	Solid	8015B NM	19009
880-11100-18	SS-22	Total/NA	Solid	8015B NM	19009
MB 880-19009/1-A	Method Blank	Total/NA	Solid	8015B NM	19009
LCS 880-19009/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19009
LCSD 880-19009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19009
880-11100-1 MS	SS-1	Total/NA	Solid	8015B NM	19009
880-11100-1 MSD	SS-1	Total/NA	Solid	8015B NM	19009

Prep Batch: 19009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-11100-1	SS-1	Total/NA	Solid	8015NM Prep	
880-11100-2	SS-2	Total/NA	Solid	8015NM Prep	
880-11100-3	SS-3	Total/NA	Solid	8015NM Prep	
880-11100-4	SS-4	Total/NA	Solid	8015NM Prep	
880-11100-5	SS-5	Total/NA	Solid	8015NM Prep	
880-11100-6	SS-6	Total/NA	Solid	8015NM Prep	
880-11100-7	SS-7	Total/NA	Solid	8015NM Prep	
880-11100-8	SS-8	Total/NA	Solid	8015NM Prep	
880-11100-9	SS-9	Total/NA	Solid	8015NM Prep	
880-11100-10	SS-11	Total/NA	Solid	8015NM Prep	
880-11100-11	SS-12	Total/NA	Solid	8015NM Prep	
880-11100-12	SS-13	Total/NA	Solid	8015NM Prep	
880-11100-13	SS-14	Total/NA	Solid	8015NM Prep	
880-11100-14	SS-16	Total/NA	Solid	8015NM Prep	
880-11100-15	SS-17	Total/NA	Solid	8015NM Prep	
880-11100-16	SS-18	Total/NA	Solid	8015NM Prep	
880-11100-17	SS-21	Total/NA	Solid	8015NM Prep	
880-11100-18	SS-22	Total/NA	Solid	8015NM Prep	
MB 880-19009/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19009/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19009/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11100-1 MS	SS-1	Total/NA	Solid	8015NM Prep	
880-11100-1 MSD	SS-1	Total/NA	Solid	8015NM Prep	

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 19141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Total/NA	Solid	8015 NM	_
880-11100-2	SS-2	Total/NA	Solid	8015 NM	
880-11100-3	SS-3	Total/NA	Solid	8015 NM	
880-11100-4	SS-4	Total/NA	Solid	8015 NM	
880-11100-5	SS-5	Total/NA	Solid	8015 NM	
880-11100-6	SS-6	Total/NA	Solid	8015 NM	
880-11100-7	SS-7	Total/NA	Solid	8015 NM	
880-11100-8	SS-8	Total/NA	Solid	8015 NM	
880-11100-9	SS-9	Total/NA	Solid	8015 NM	
880-11100-10	SS-11	Total/NA	Solid	8015 NM	
880-11100-11	SS-12	Total/NA	Solid	8015 NM	
880-11100-12	SS-13	Total/NA	Solid	8015 NM	
880-11100-13	SS-14	Total/NA	Solid	8015 NM	
880-11100-14	SS-16	Total/NA	Solid	8015 NM	
880-11100-15	SS-17	Total/NA	Solid	8015 NM	
880-11100-16	SS-18	Total/NA	Solid	8015 NM	
880-11100-17	SS-21	Total/NA	Solid	8015 NM	
880-11100-18	SS-22	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Soluble	Solid	DI Leach	
880-11100-2	SS-2	Soluble	Solid	DI Leach	
880-11100-3	SS-3	Soluble	Solid	DI Leach	
880-11100-4	SS-4	Soluble	Solid	DI Leach	
880-11100-5	SS-5	Soluble	Solid	DI Leach	
880-11100-6	SS-6	Soluble	Solid	DI Leach	
880-11100-7	SS-7	Soluble	Solid	DI Leach	
880-11100-8	SS-8	Soluble	Solid	DI Leach	
880-11100-9	SS-9	Soluble	Solid	DI Leach	
MB 880-19061/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19061/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19061/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11100-9 MS	SS-9	Soluble	Solid	DI Leach	
880-11100-9 MSD	SS-9	Soluble	Solid	DI Leach	

Leach Batch: 19064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-10	SS-11	Soluble	Solid	DI Leach	
880-11100-11	SS-12	Soluble	Solid	DI Leach	
880-11100-12	SS-13	Soluble	Solid	DI Leach	
880-11100-13	SS-14	Soluble	Solid	DI Leach	
880-11100-14	SS-16	Soluble	Solid	DI Leach	
880-11100-15	SS-17	Soluble	Solid	DI Leach	
880-11100-16	SS-18	Soluble	Solid	DI Leach	
880-11100-17	SS-21	Soluble	Solid	DI Leach	
880-11100-18	SS-22	Soluble	Solid	DI Leach	
MB 880-19064/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19064/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 19064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Ba	atch
LCSD 880-19064/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11100-10 MS	SS-11	Soluble	Solid	DI Leach	
880-11100-10 MSD	SS-11	Soluble	Solid	DI Leach	

Analysis Batch: 19410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-1	SS-1	Soluble	Solid	300.0	19061
880-11100-2	SS-2	Soluble	Solid	300.0	19061
880-11100-3	SS-3	Soluble	Solid	300.0	19061
880-11100-4	SS-4	Soluble	Solid	300.0	19061
880-11100-5	SS-5	Soluble	Solid	300.0	19061
880-11100-6	SS-6	Soluble	Solid	300.0	19061
880-11100-7	SS-7	Soluble	Solid	300.0	19061
880-11100-8	SS-8	Soluble	Solid	300.0	19061
880-11100-9	SS-9	Soluble	Solid	300.0	19061
MB 880-19061/1-A	Method Blank	Soluble	Solid	300.0	19061
LCS 880-19061/2-A	Lab Control Sample	Soluble	Solid	300.0	19061
LCSD 880-19061/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19061
880-11100-9 MS	SS-9	Soluble	Solid	300.0	19061
880-11100-9 MSD	SS-9	Soluble	Solid	300.0	19061

Analysis Batch: 19435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11100-10	SS-11	Soluble	Solid	300.0	19064
880-11100-11	SS-12	Soluble	Solid	300.0	19064
880-11100-12	SS-13	Soluble	Solid	300.0	19064
880-11100-13	SS-14	Soluble	Solid	300.0	19064
880-11100-14	SS-16	Soluble	Solid	300.0	19064
880-11100-15	SS-17	Soluble	Solid	300.0	19064
880-11100-16	SS-18	Soluble	Solid	300.0	19064
880-11100-17	SS-21	Soluble	Solid	300.0	19064
880-11100-18	SS-22	Soluble	Solid	300.0	19064
MB 880-19064/1-A	Method Blank	Soluble	Solid	300.0	19064
LCS 880-19064/2-A	Lab Control Sample	Soluble	Solid	300.0	19064
LCSD 880-19064/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19064
880-11100-10 MS	SS-11	Soluble	Solid	300.0	19064
880-11100-10 MSD	SS-11	Soluble	Solid	300.0	19064

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Date Received: 02/09/22 15:35

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Client Sample ID: SS-1 Lab Sample ID: 880-11100-1 Date Collected: 02/08/22 13:45

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 18969 02/10/22 08:36 KL XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 19027 02/11/22 06:50 KLXEN MID Total/NA Analysis Total BTEX 19290 02/14/22 08:53 MR XEN MID Total/NA Analysis 8015 NM 1 19141 02/11/22 13:02 AJ XEN MID 10.01 g 10 mL 19009 02/10/22 09:33 XEN MID Total/NA 8015NM Prep DM Prep Total/NA Analysis 8015B NM 18981 02/10/22 13:09 ΑJ XEN MID 5.03 g 50 mL 19061 02/10/22 15:24 XEN MID Soluble DI Leach СН Leach

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Client Sample ID: SS-2 Lab Sample ID: 880-11100-2

19410

02/15/22 01:05

Matrix: Solid

СН

Matrix: Solid

XEN MID

Date Collected: 02/08/22 13:50 Date Received: 02/09/22 15:35

Analysis

300.0

Soluble

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.05 g 5 mL 18969 02/10/22 08:36 KL XEN MID 8021B Total/NA Analysis 1 5 mL 5 mL 19027 02/11/22 07:17 KL XEN MID Total/NA Total BTEX 02/14/22 08:53 MR Analysis 19290 XEN MID 1 Total/NA Analysis 8015 NM 19141 02/11/22 13:02 XEN MID Total/NA 8015NM Prep 10.03 g 19009 02/10/22 09:33 DM XEN MID Prep 10 mL Total/NA Analysis 8015B NM 18981 02/10/22 14:13 AJ XEN MID Soluble DI Leach 5.05 g 50 mL 19061 02/10/22 15:24 CH **XEN MID** Leach Soluble Analysis 300.0 5 19410 02/15/22 01:14 СН XEN MID

Client Sample ID: SS-3 Lab Sample ID: 880-11100-3

Date Collected: 02/08/22 13:55 Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 07:45	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 14:33	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		10			19410	02/15/22 01:24	CH	XEN MID

Lab Sample ID: 880-11100-4 Client Sample ID: SS-4

Date Collected: 02/08/22 14:00 Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 08:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID

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Matrix: Solid

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Client Sample ID: SS-4 Lab Sample ID: 880-11100-4 Date Collected: 02/08/22 14:00

Matrix: Solid

Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 14:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		5			19410	02/15/22 01:52	CH	XEN MID

Client Sample ID: SS-5 Lab Sample ID: 880-11100-5

Matrix: Solid

Date Collected: 02/08/22 14:05 Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 09:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 15:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		10			19410	02/15/22 02:02	CH	XEN MID

Client Sample ID: SS-6 Lab Sample ID: 880-11100-6

Date Collected: 02/08/22 14:10 **Matrix: Solid** Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 09:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		1			19410	02/15/22 02:11	CH	XEN MID

Client Sample ID: SS-7 Lab Sample ID: 880-11100-7

Date Collected: 02/08/22 14:15 **Matrix: Solid** Date Received: 02/09/22 15:35

Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Prep	5035			4.96 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 09:56	KL	XEN MID
Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Prep	8015NM Prep		1	10.00 g	10 mL	19009	02/10/22 09:33 02/10/22 15:55	DM AJ	XEN MID
	Prep Analysis Analysis Analysis Prep	Type Method Prep 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep	Type Method Run Prep 5035 Analysis 8021B Analysis Total BTEX Analysis 8015 NM Prep 8015NM Prep	Type Method Run Factor Prep 5035 Factor Analysis 8021B 1 Analysis Total BTEX 1 Analysis 8015 NM 1 Prep 8015NM Prep	Type Method Run Factor Amount Prep 5035 4.96 g Analysis 8021B 1 5 mL Analysis Total BTEX 1 1 Analysis 8015 NM 1 1 Prep 8015 NM Prep 10.00 g	Type Method Run Factor Amount Amount Prep 5035 4.96 g 5 mL Analysis 8021B 1 5 mL 5 mL Analysis Total BTEX 1	Type Method Run Factor Amount Amount Number Prep 5035 4.96 g 5 mL 18969 Analysis 8021B 1 5 mL 5 mL 19027 Analysis Total BTEX 1 19290 19141 Analysis 8015 NM 1 19141 19141	Type Method Run Factor Amount Amount Number or Analyzed Prep 5035 4.96 g 5 mL 18969 02/10/22 08:36 Analysis 8021B 1 5 mL 19027 02/11/22 09:56 Analysis Total BTEX 1 1 19290 02/14/22 08:53 Analysis 8015 NM 1 1 19141 02/11/22 13:02 Prep 8015 NM Prep 10.00 g 10 mL 19009 02/10/22 09:33	Type Method Run Factor Amount Amount Number or Analyzed Analyst Prep 5035 4.96 g 5 mL 18969 02/10/22 08:36 KL Analysis 8021B 1 5 mL 19027 02/11/22 09:56 KL Analysis Total BTEX 1 1 19290 02/14/22 08:53 MR Analysis 8015 NM 1 1 19141 02/11/22 13:02 AJ Prep 8015 NM Prep 10.00 g 10 mL 19009 02/10/22 09:33 DM

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Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Lab Sample ID: 880-11100-7

Client Sample ID: SS-7

Date Collected: 02/08/22 14:15 Date Received: 02/09/22 15:35

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		5			19410	02/15/22 02:21	CH	XEN MID

Client Sample ID: SS-8 Lab Sample ID: 880-11100-8

Date Collected: 02/08/22 14:20 **Matrix: Solid**

Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 10:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 16:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		5			19410	02/15/22 02:30	CH	XEN MID

Client Sample ID: SS-9 Lab Sample ID: 880-11100-9

Date Collected: 02/08/22 14:25

Date Received: 02/09/22 15:35

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18969	02/10/22 08:36	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19027	02/11/22 10:51	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19290	02/14/22 08:53	MR	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 16:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19061	02/10/22 15:24	CH	XEN MID
Soluble	Analysis	300.0		5			19410	02/15/22 02:40	CH	XEN MID

Client Sample ID: SS-11 Lab Sample ID: 880-11100-10

Date Collected: 02/08/22 14:30 Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 14:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 17:57	CH	XEN MID

Eurofins Midland

Released to Imaging: 9/14/2022 2:27:35 PM

Date Received: 02/09/22 15:35

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Lab Sample ID: 880-11100-11

Client Sample ID: SS-12 Date Collected: 02/08/22 14:35

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 14:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 17:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		5			19435	02/15/22 18:24	CH	XEN MID

Client Sample ID: SS-13 Lab Sample ID: 880-11100-12

Date Collected: 02/08/22 14:40 Matrix: Solid

Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 14:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 17:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 18:33	CH	XEN MID

Client Sample ID: SS-14 Lab Sample ID: 880-11100-13

Date Collected: 02/08/22 14:45 Date Received: 02/09/22 15:35 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 15:19	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 18:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 18:42	CH	XEN MID

Client Sample ID: SS-16 Lab Sample ID: 880-11100-14

Date Collected: 02/08/22 14:50 Date Received: 02/09/22 15:35

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 15:40	KL	XEN MID
Total/NA	Analysis	Total RTEY		1			10350	02/14/22 00:43	KI	YEN MID

Eurofins Midland

Matrix: Solid

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Client Sample ID: SS-16

Date Collected: 02/08/22 14:50 Date Received: 02/09/22 15:35

Lab Sample ID: 880-11100-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 18:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19064	02/10/22 15:36	СН	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 18:51	CH	XEN MID

Lab Sample ID: 880-11100-15

Client Sample ID: SS-17 Date Collected: 02/08/22 14:55

Date Received: 02/09/22 15:35

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab 5035 Total/NA Prep 4.99 g 5 mL 19036 02/11/22 16:00 KL XEN MID Total/NA Analysis 8021B 5 mL 5 mL 19116 02/12/22 16:00 KL XEN MID 1 Total/NA Total BTEX XEN MID Analysis 1 19350 02/14/22 09:43 KL Total/NA Analysis 8015 NM 19141 02/11/22 13:02 XEN MID AJ XEN MID Total/NA Prep 8015NM Prep 10.01 g 10 mL 19009 02/10/22 09:33 DM Total/NA Analysis 8015B NM 18981 02/10/22 19:00 AJ XEN MID 1 Soluble Leach DI Leach 5.01 g 50 mL 19064 02/10/22 15:36 CH XEN MID Soluble Analysis 300.0 1 19435 02/15/22 19:17 CH XEN MID

Client Sample ID: SS-18

Date Collected: 02/08/22 15:00 Date Received: 02/09/22 15:35

Lab Sample ID: 880-11100-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 16:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 19:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 19:26	CH	XEN MID

Client Sample ID: SS-21

Date Collected: 02/08/22 15:05 Date Received: 02/09/22 15:35

Lab Sample ID: 880-11100-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 16:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	19009 18981	02/10/22 09:33 02/10/22 19:43	DM AJ	XEN MID XEN MID

Eurofins Midland

Released to Imaging: 9/14/2022 2:27:35 PM

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Client Sample ID: SS-21

Date Collected: 02/08/22 15:05 Date Received: 02/09/22 15:35 Lab Sample ID: 880-11100-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 19:35	CH	XEN MID

Lab Sample ID: 880-11100-18

Client Sample ID: SS-22 Matrix: Solid

Date Collected: 02/08/22 15:10 Date Received: 02/09/22 15:35

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	19036	02/11/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	19116	02/12/22 17:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			19350	02/14/22 09:43	KL	XEN MID
Total/NA	Analysis	8015 NM		1			19141	02/11/22 13:02	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	19009	02/10/22 09:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18981	02/10/22 20:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19064	02/10/22 15:36	CH	XEN MID
Soluble	Analysis	300.0		1			19435	02/15/22 19:44	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental
Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	rogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-21-22	06-30-22
The following analytes a the agency does not off	' '	ut the laboratory is not certif	ied by the governing authority. This list ma	y include analytes for which
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

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10

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13

Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1

SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-11100-1 SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11100-1	SS-1	Solid	02/08/22 13:45	02/09/22 15:35	4.5'
880-11100-2	SS-2	Solid	02/08/22 13:50	02/09/22 15:35	5.5'
880-11100-3	SS-3	Solid	02/08/22 13:55	02/09/22 15:35	2'
880-11100-4	SS-4	Solid	02/08/22 14:00	02/09/22 15:35	2'
880-11100-5	SS-5	Solid	02/08/22 14:05	02/09/22 15:35	4'
880-11100-6	SS-6	Solid	02/08/22 14:10	02/09/22 15:35	1'
880-11100-7	SS-7	Solid	02/08/22 14:15	02/09/22 15:35	3'
880-11100-8	SS-8	Solid	02/08/22 14:20	02/09/22 15:35	2'
880-11100-9	SS-9	Solid	02/08/22 14:25	02/09/22 15:35	2'
880-11100-10	SS-11	Solid	02/08/22 14:30	02/09/22 15:35	1.5'
880-11100-11	SS-12	Solid	02/08/22 14:35	02/09/22 15:35	1.5'
880-11100-12	SS-13	Solid	02/08/22 14:40	02/09/22 15:35	4'
880-11100-13	SS-14	Solid	02/08/22 14:45	02/09/22 15:35	4'
880-11100-14	SS-16	Solid	02/08/22 14:50	02/09/22 15:35	4.5'
880-11100-15	SS-17	Solid	02/08/22 14:55	02/09/22 15:35	4.5'
880-11100-16	SS-18	Solid	02/08/22 15:00	02/09/22 15:35	4'
880-11100-17	SS-21	Solid	02/08/22 15:05	02/09/22 15:35	4.5'
880-11100-18	SS-22	Solid	02/08/22 15:10	02/09/22 15:35	2'

** eurofins

Company Name:

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Environment Testing

Chain of Custody

Company Name	Bill to. (if different)		Hobbs, NM (57	EL Paso TX (91	Midland, TX (432	Houston, TX (2
Ralon Butler	Eland / Sundown		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Program. UST/PST PRP Brownfields RRC Superfund	Work Order Comments	www.xenco.com Page of	-		Work Order No:	

		Address.	Allas M	- 5]
ate zir	1/26) 11: 2011	1=	11)a1)a5, 7X 75248	Reporting Level III Level III PST	Level III PST/UST TRRP Level IV
rnone (5/5) 441 - /244 Email	ail I CINDY, Crain (a)	a Amail. com	Deliverables EDD (ADaPT (Other
Project Name B	Bobbi State WF Unit #3 Tu	Turn Around	ANALYSIS REQUEST		Preservative Codes
Project Number	X Rout	e Rush Pres.			None NO DI Water: H.O
Project Location L	Ca Co. NM Due Date				
ler's Name:	TAT starts	TAT starts the day received by		Ţ	
PO#	the lab, if	the lab, if received by 4.30pm		T	5
SAMPLE RECEIPT	Jegap Blank: Yes(No) Wet ke	Yes) No	<u> </u>	T	
Samples Received Intact:	(Yes) Nø Thermometer ID:	17PC		Z	NaHSO . NARIS
Cooler Custody Seals:	Yes No (N/A) Correction Factor	Pa	01.	Z	NanSon Nason
Sample Custody Seals:	Yes No N/A Temperature Reading	æ v		7, ;	Zn Aretate±NaOH Zn
Total Containers:	Corrected Temperature:	2 S		Z	NaOH+Ascorbic Acid SAPC
Sample Identification	ion Matrix Date Time Sampled Sampled	Depth Grab/ # of Comp Cont	TP. BT		Sample Comments
58-1	5 2/8/22 1345	45,0	X		200
55-2			X		•
50-30	1355		X		
55-4	1400	2	X		THE PERSON NAMED AND PE
55-5	1405	4, 19	X		
55-6	1410		X X		
55-7	1210	5 3'	X		
55.8	1420		X		
55-9	1425	5 2' 1	X	880-11100 Chain of Custody	dy III
55-11	1 V V 1430	0 1.5'			
Total 200.7 / 6010	200.8 / 6020: 8RCRA 13	13PPM Texas 11 Al Sb As	Ba Be B Cd Ca Cr Co Cu Fe	Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn IJ V Zn	Sn IJ V 7n
Circle Method(s) and	Circle Method(s) and Metal(s) to be analyzed TCLP,	TCLP / SPLP 6010 8RCRA S	a Be Cd Cr Co Cu Pb Mn I	Se Ag Tl U Hg 1631/2451/7470/7471	470 / 7471
votice: Signature of this document of service. Eurofins Xenco will be li of Eurofins Xenco. A minimum cha	and relinquishment of samples constitutes a valid purchase able only for the cost of samples and shall not assume any re rige of \$85.00 will be applied to each project and a charge of	order from client company to Euro sponsibility for any losses or expen	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Fundance Aeroca when the control of the contr	and conditions	
Relinquished by; (Signature)	nature) () Received by: (Signature)	ure)	Date/Time Relinquished by: (Signature)	ture) Received by (Signature)	Date/Time
Circle sain	THE TOTAL	2 10 21	19/22 15:352		
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Chain of Custody

** eurofins	Houston, TX (Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	dy 214) 902-0300		
Xenco	Midland, TX (43 EL Paso TX (9)	Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296	< (210) 509-3334 306) 794-1296	Work Order No:	1100
	Hobbs NM (5:	Hobbs NM (575) 392 7550 Carlsbad, NM (575) 988-3199	(575) 988-3199		>
1 //				www.xenco com	Page of &
Cindy Cain	Bill to. (if different)	2000	CMO	Work Order Comments	nents
CUNICOU	Company Name	Raiph Butler		Program. UST/PST PRPB Brownfields	elds RRC Superfund
Address: 2925 E 17+5 St	Address:		CMY. 5-6, 100	roject: NN	ļ
City, State ZIP DdeSSa, TR 79761	City, State ZIP	~ 1	8	Reporting Level II Level III PST/UST TRRP	UST 🗌 TRRP 🔲 LevelIV 🦳
Phone: (575) 441-7244 Email	cindy crain @	amail		Deliverables EDD ☐ ADaPT ☐	
Project Name: Bobbi State NF Unit #3 Tum.	1 1	¢	ANALYSIS REQUEST		Preservative Codes
Project Number — XRoutine	□Rush Pres.				None NO DI Water H.O.
Project Location: Lea Co., N.M. Due Date:					
ler's Name: Lindy Crain	TAT starts the day received by			HO	
	ers			H ₂ .	H ₂ SO ₄ H ₂ NaOH Na
Jemp Blank.	L	4		Н.	H ₃ PO ₄ HP
Cooler Custody Seals Ves No Inermometer ID Corporation Entropy Cooler Custody Seals Ves No Inermometer ID	Parai	5		Za	NaHSO ₄ NABIS
. Yes No (25	,		77 20	7n Acetate+NaOH 75
Total Containers: Corrected Temperature:	SS	TE Var		Za	NaOH+Ascorbic Acid SAPC
Sample Identification Matrix Date Time Sampled Sampled	Depth Grab/ # of Comp Cont				Sample Comments
55-12 5 2/8/12 1435	1.61 (3 1	X			- ALL MANAGEMENT - TOTAL - TOT
55-13	4-				
	1				
55-16	-	X			
55-17	4_	XXX			1000
55-18 1500	4	X			
1 (÷	X			
55-22 V V 1510	N; ₩	X			
8RCRA	S II	As Ba Be B Cd Ca	Cr Co Cu Fe Pb Mg M	li K Se Ag SiO₂ Na Sr	TI Sn U V Zn
	יכני / טוני סטיס סויכווא ט	D As bd be Cd Cl	SINCHA 30 AS BY BE COLCILED ON MONISE AGILLO	4g II U Hg 1631 / 245 1 / /470 / /471	470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	er from client company to Eurol ssibility for any losses or expens or each sample submitted to E	fins Xenco, its affiliates and subco ses incurred by the client if such I urofins Xenco, but not analyzed.	ontractors. It assigns standard terms an losses are due to circumstances beyond These terms will be enforced unless pre	d conditions the control viously negotiated.	
Relinquished by (Signature) Received by: (Signature))	Date/Time R	Relinquished by (Signature)	Received by (Signature)	Date/Time
" inglican Attraco	2/0	1/22 15:35 2			
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Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-11100-1 SDG Number: Lea Co., NM

Login Number: 11100 **List Source: Eurofins Midland**

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-12436-1

Laboratory Sample Delivery Group: Lea Co. NM Client Project/Site: Bobbi State WF Unit #003

For:

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

MAMER

Authorized for release by: 4/1/2022 8:38:58 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

-----LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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4.0

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Laborator

Laboratory Job ID: 880-12436-1 SDG: Lea Co. NM

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Definitions/Glossary

Client: Crain Environmental Job ID: 880-12436-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

LCS/LCSD RPD exceeds control limits.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not

applicable.

U Indicates the analyte was analyzed for but not detected.

Glossary

DLC

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DI RA RE IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

Decision Level Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML MPN Most Probable Number MQL Method Quantitation Limit

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit PQL

PRES Presumptive **Quality Control** QC

Relative Error Ratio (Radiochemistry) RER

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points **RPD**

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) TFO

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Job ID: 880-12436-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-12436-1

Receipt

The samples were received on 3/15/2022 1:21 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

GC VOA

Method 8021B: The following sample was diluted due to the nature of the sample matrix: SS-15 (880-12436-9) at 20.0. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-21661 and analytical batch 880-21675 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Client Sample ID: SS-3

Date Collected: 03/14/22 13:40 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

Lab Sample ID: 880-12436-1

03/16/22 13:24

03/15/22 15:59

Matrix: Solid

Method: 8015 NM - Diesel Range (Organics (DRO) (GC)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	217	49.9	mg/Kg			03/17/22 08:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9		mg/Kg		03/15/22 15:59	03/16/22 13:24	1
Diesel Range Organics (Over C10-C28)	111		49.9		mg/Kg		03/15/22 15:59	03/16/22 13:24	1
Oll Range Organics (Over C28-C36)	106		49.9		mg/Kg		03/15/22 15:59	03/16/22 13:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				03/15/22 15:59	03/16/22 13:24	

Method: 300.0 - Anions, Ion Chroma	tography -	DL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130000		1010		mg/Kg		03/31/22 18:29	04/01/22 00:01	100

70 - 130

122

Client Sample ID: SS-4 Lab Sample ID: 880-12436-2 **Matrix: Solid**

Date Collected: 03/14/22 13:45 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	710		50.0		mg/Kg			03/17/22 08:43	1
Method: 8015B NM - Diesel Rai	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/15/22 15:59	03/16/22 13:44	1
Diesel Range Organics (Over C10-C28)	641		50.0		mg/Kg		03/15/22 15:59	03/16/22 13:44	1
Oll Range Organics (Over C28-C36)	69.1		50.0		mg/Kg		03/15/22 15:59	03/16/22 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane			70 - 130				03/15/22 15:59	03/16/22 13:44	1
o-Terphenyl	113		70 - 130				03/15/22 15:59	03/16/22 13:44	1
Method: 300.0 - Anions, Ion Ch	romatography -	DL							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9120		102		mg/Kg		03/31/22 18:29	04/01/22 00:37	10

Client Sample Results

Client: Crain Environmental

Job ID: 880-12436-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co. NM

Lab Sample ID: 880-12436-3

Client Sample ID: SS-6 Date Collected: 03/14/22 13:50

Date Received: 03/15/22 13:21

Matrix: Solid

Sample Depth: 4.5'

Method: 8015 NM - Diesel Range O	rganics (DRO) (GC)						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	110	50.0	mg/Kg			03/17/22 08:43	1

Total TPH	110		50.0		mg/Kg			03/17/22 08:43	1
– Method: 8015B NM - Diesel Rar	nge Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/15/22 15:59	03/16/22 14:05	1
Diesel Range Organics (Over C10-C28)	54.6		50.0		mg/Kg		03/15/22 15:59	03/16/22 14:05	•
Oll Range Organics (Over C28-C36)	55.4		50.0		mg/Kg		03/15/22 15:59	03/16/22 14:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				03/15/22 15:59	03/16/22 14:05	

Client Sample ID: SS-7 Lab Sample ID: 880-12436-4

70 - 130

111

03/16/22 14:05

03/15/22 15:59

Date Collected: 03/14/22 13:55 Date Received: 03/15/22 13:21

Matrix: Solid

Sample Depth: 4.5'

o-Terphenyl

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

wethod: 8015 NW - Diesei Ran	ge Organics (DR	U) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/17/22 08:43	1
Method: 8015B NM - Diesel Ra Analyte	• • •	RO) (GC) Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg		03/15/22 15:59	03/16/22 14:25	1

Analyte	Nosuit	Quanner	114	IVIDE	Oilit	 ricparca	Allalyzou	Diriac
Gasoline Range Organics	<49.9	U *1	49.9		mg/Kg	 03/15/22 15:59	03/16/22 14:25	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg	03/15/22 15:59	03/16/22 14:25	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg	03/15/22 15:59	03/16/22 14:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130			03/15/22 15:59	03/16/22 14:25	1

Method: 300.0 - Anions, Ion Chrom	atography				
o-Terphenyl	128	70 - 130	03/15/22 15:59	03/16/22 14:25	1
1-Chlorooctane	128	70 - 130	03/15/22 15:59	03/16/22 14:25	1
					_

RL MDL Unit Dil Fac Analyte Result Qualifier Prepared Analyzed 03/31/22 18:29 04/01/22 10:53 102 Chloride 5790 mg/Kg

Client Sample ID: SS-8 Lab Sample ID: 880-12436-5 Date Collected: 03/14/22 14:00 Matrix: Solid

Sample Depth: 4.5'

Date Received: 03/15/22 13:21

Method: 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/22 08:43	1

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Client Sample ID: SS-8

Date Collected: 03/14/22 14:00 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

Lab Sample ID: 880-12436-5

Matrix: Solid

Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		03/15/22 15:59	03/16/22 14:46	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 14:46	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				03/15/22 15:59	03/16/22 14:46	1
o-Terphenyl	118		70 - 130				03/15/22 15:59	03/16/22 14:46	1
Method: 300.0 - Anions, Ion Chro	matography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3570		10.0		mg/Kg		03/31/22 18:29	04/01/22 01:25	1

Lab Sample ID: 880-12436-6 **Client Sample ID: SS-9**

Date Collected: 03/14/22 14:05 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/22 08:43	1
– Method: 8015B NM - Diesel Ranç	je Organics (Di	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:06	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:06	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				03/15/22 15:59	03/16/22 15:06	1
o-Terphenyl	109		70 - 130				03/15/22 15:59	03/16/22 15:06	1
_ Method: 300.0 - Anions, Ion Chro	matography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510		9.84		mg/Kg		03/31/22 18:29	04/01/22 02:00	1

Client Sample ID: SS-11 Lab Sample ID: 880-12436-7 Date Collected: 03/14/22 14:10 **Matrix: Solid**

Date Received: 03/15/22 13:21

Sample Depth: 4.5'

8L 50.0	52	mg/Kg	<u>D</u>	Prepared	Analyzed 03/17/22 08:43	Dil Fac
(GC)						
()						
alifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1 50.0		mg/Kg		03/15/22 15:59	03/16/22 15:27	1
		· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>		

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Matrix: Solid

Client Sample ID: SS-11

Date Collected: 03/14/22 14:10

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1 SDG: Lea Co. NM

Lab Sample ID: 880-12436-7

Matrix: Solid

Date Received: 03/15/22 13:21 Sample Depth: 4.5'

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC) (C	Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:27	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/15/22 15:59	03/16/22 15:27	1
o-Terphenyl	108		70 - 130				03/15/22 15:59	03/16/22 15:27	1
- Method: 300.0 - Anions, Ion Chro	omatography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3460		9.82		mg/Kg		03/31/22 18:29	04/01/22 02:12	1

Client Sample ID: SS-12 Lab Sample ID: 880-12436-8 Matrix: Solid

Date Collected: 03/14/22 14:15 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chrom	atography								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1750		10.2		mg/Kg		03/31/22 18:29	04/01/22 02:24	1

Client Sample ID: SS-15 Lab Sample ID: 880-12436-9 Date Collected: 03/14/22 14:20 Matrix: Solid

Date Received: 03/15/22 13:21

Sample Depth: 1.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0401	U	0.0401		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
Toluene	0.270		0.0401		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
Ethylbenzene	0.298		0.0401		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
m-Xylene & p-Xylene	0.927		0.0802		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
o-Xylene	0.482		0.0401		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
Xylenes, Total	1.41		0.0802		mg/Kg		03/21/22 10:00	03/23/22 04:34	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130				03/21/22 10:00	03/23/22 04:34	20
1,4-Difluorobenzene (Surr)	85		70 - 130				03/21/22 10:00	03/23/22 04:34	20
Method: Total BTEX - Total B	TEX Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	1.98		0.0802		mg/Kg			03/23/22 14:31	1
Method: 8015 NM - Diesel Rai	nge Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/17/22 08:43	1
Method: 8015B NM - Diesel R	ange Organics (D	RO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:48	1

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-12436-9

Client Sample Results

Client: Crain Environmental Job ID: 880-12436-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co. NM

Client Sample ID: SS-15

Date Collected: 03/14/22 14:20 Date Received: 03/15/22 13:21

Sample Depth: 1.5'

Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC) (C	Continued)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:48	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/15/22 15:59	03/16/22 15:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				03/15/22 15:59	03/16/22 15:48	1
o-Terphenyl	118		70 - 130				03/15/22 15:59	03/16/22 15:48	1

Client Sample ID: SS-22 Lab Sample ID: 880-12436-10

Date Collected: 03/14/22 14:25 Date Received: 03/15/22 13:21

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Chron	natography - DL						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10800	101	mg/K	g	03/31/22 18:29	04/01/22 02:59	10

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Surrogate Summary

Client: Crain Environmental Job ID: 880-12436-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-12436-9	SS-15	98	85	
LCS 880-22004/1-A	Lab Control Sample	96	100	
LCSD 880-22004/2-A	Lab Control Sample Dup	96	100	
MB 880-21824/5-A	Method Blank	97	100	
MB 880-22004/5-A	Method Blank	98	101	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluorobenz	zene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

		1001	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-12436-1	SS-3	125	122	
880-12436-2	SS-4	118	113	
380-12436-3	SS-6	113	111	
380-12436-4	SS-7	128	128	
380-12436-5	SS-8	121	118	
880-12436-6	SS-9	109	109	
380-12436-7	SS-11	107	108	
380-12436-9	SS-15	116	118	
LCS 880-21661/2-A	Lab Control Sample	128	130	
CSD 880-21661/3-A	Lab Control Sample Dup	103	106	
ИВ 880-21661/1-A	Method Blank	120	126	

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21824/5-A

Matrix: Solid

Analysis Batch: 22110

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21824

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/22/22 08:30	03/22/22 11:48	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		03/22/22 08:30	03/22/22 11:48	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	97		70 - 130	03/22/22 08:30	03/22/22 11:48
1,4-Difluorobenzene (Surr)	100		70 - 130	03/22/22 08:30	03/22/22 11:48

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22004

Lab Sample ID: MB 880-22004/5-A **Matrix: Solid**

Analysis Batch: 22110

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/21/22 10:00	03/23/22 01:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/21/22 10:00	03/23/22 01:02	•
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/21/22 10:00	03/23/22 01:02	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/21/22 10:00	03/23/22 01:02	•
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/21/22 10:00	03/23/22 01:02	•
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		03/21/22 10:00	03/23/22 01:02	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/21/22 10:00	03/23/22 01:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130	03/21/22 10:00	03/23/22 01:02	1

Lab Sample ID: LCS 880-22004/1-A

Matrix: Solid

Analysis Batch: 22110

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 22004

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08758		mg/Kg		88	70 - 130	
Toluene	0.100	0.08691		mg/Kg		87	70 - 130	
Ethylbenzene	0.100	0.08634		mg/Kg		86	70 - 130	
m-Xylene & p-Xylene	0.200	0.2017		mg/Kg		101	70 - 130	
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	96	70 - 130
1.4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-22004/2-A

Matrix: Solid

Analysis Batch: 22110

Client Sample ID: Lab	Control Sample Dup
	Prep Type: Total/NA

Prep Batch: 22004

RPD %Rec. **RPD** Limit

Spike LCSD LCSD Result Qualifier Analyte Added Unit %Rec Limits Benzene 0.100 0.09033 mg/Kg 90 70 - 130 3

Eurofins Midland

Dil Fac

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-22004/2-A

Matrix: Solid Analysis Batch: 22110 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22004

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08751		mg/Kg		88	70 - 130	1	35
Ethylbenzene	0.100	0.08792		mg/Kg		88	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	1	35
o-Xylene	0.100	0.1016		mg/Kg		102	70 - 130	0	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-21661/1-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21661

MB MB Analyte MDL Unit Result Qualifier RL Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 03/15/22 15:59 03/16/22 11:01 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 03/15/22 15:59 03/16/22 11:01 C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 03/15/22 15:59 03/16/22 11:01 mg/Kg

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	120		70 - 130	03/15/22 15:59	03/16/22 11:01	1
o-Terphenyl	126		70 - 130	03/15/22 15:59	03/16/22 11:01	1

Lab Sample ID: LCS 880-21661/2-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21661

Spike LCS LCS babbA Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics 1000 1020 mg/Kg 102 70 - 130(GRO)-C6-C10 1000 1216 mg/Kg 122 70 - 130 Diesel Range Organics (Over

C10-C28)

LCS LCS

Surrogate	%Recovery 0	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	130		70 - 130

Lab Sample ID: LCSD 880-21661/3-A

Matrix: Solid

Analysis Batch: 21675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21661

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	822.8	*1	mg/Kg		82	70 - 130	21	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1037		mg/Kg		104	70 - 130	16	20
C10-C28)									

Job ID: 880-12436-1

Client: Crain Environmental Project/Site: Bobbi State WF Unit #003 SDG: Lea Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-21661/3-A **Matrix: Solid**

Analysis Batch: 21675

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 47209

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 47209

Prep Batch: 47209

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Client Sample ID: Lab Control Sample Dup

Prep Batch: 47209

Prep Batch: 21661

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 103 70 - 130 o-Terphenyl 106 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-47209/1-A Client Sample ID: Method Blank

Matrix: Solid Analysis Batch: 47133

MB MB

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <10.0 U 10.0 03/31/22 18:29 03/31/22 22:15 mg/Kg

Lab Sample ID: MB 860-47209/28-A

Matrix: Solid

Analysis Batch: 47133

MR MR

Analyte Result Qualifier RL **MDL** Unit Dil Fac D Prepared Analyzed mg/Kg 04/01/22 04:46 Chloride <10.0 U 10.0 03/31/22 18:29

Lab Sample ID: LCS 860-47209/29-A

Matrix: Solid

Analysis Batch: 47133

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit Limits %Rec Chloride 100 103.3 103 80 - 120 mg/Kg

Lab Sample ID: LCS 860-47209/2-A

Matrix: Solid

Analysis Batch: 47133

Spike LCS LCS %Rec. Added Result Qualifier %Rec Limits Analyte Unit D 103.3 100 103 80 - 120 Chloride mg/Kg

Lab Sample ID: LCSD 860-47209/30-A

Matrix: Solid

Analysis Batch: 47133 Prep Batch: 47209 Spike LCSD LCSD RPD %Rec. Added Result Qualifier Analyte Unit %Rec Limits RPD Limit Chloride 100 97.24 97 mg/Kg

Lab Sample ID: LCSD 860-47209/3-A

Matrix: Solid

Analysis Batch: 47133

Prep Batch: 47209 LCSD LCSD Spike %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 100 97.22 mg/Kg 80 - 120

Chloride

QC Sample Results

Client: Crain Environmental Job ID: 880-12436-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

3570

Lab Sample ID: 880-12436-5 MS Matrix: Solid Analysis Batch: 47133									Client Sample ID: SS-8 Prep Type: Total/NA Prep Batch: 47209
	Sample	Sample	Spike	MS	MS				%Rec.
Δnalvte	Result	Qualifier	Δdded	Result	Qualifier	Unit	D	%Rec	l imits

	Chloride	3570		99.6	3712	4	mg/Kg		140	80 - 120		
	Lab Sample ID: 880-12436-5 MS	D								Client Sa	mple ID	: SS-8
	Matrix: Solid									Prep ⁻	Type: To	tal/NA
	Analysis Batch: 47133									Prep	Batch:	47209
		Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
ı	Analyto	Pocult	Qualifier	Addod	Docult	Ouglifier	Unit	_ n	9/ Bac	Limita	DDD	Limit

3723 4

mg/Kg

150

80 - 120

99.8

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QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1 SDG: Lea Co. NM

GC VOA

Prep Batch: 21824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-21824/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 22004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-9	SS-15	Total/NA	Solid	5035	
MB 880-22004/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22004/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22004/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 22110

Lab Sample ID 880-12436-9	Client Sample ID SS-15	Prep Type Total/NA	Solid	Method 8021B	Prep Batch 22004
MB 880-21824/5-A	Method Blank	Total/NA	Solid	8021B	21824
MB 880-22004/5-A	Method Blank	Total/NA	Solid	8021B	22004
LCS 880-22004/1-A	Lab Control Sample	Total/NA	Solid	8021B	22004
LCSD 880-22004/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22004

Analysis Batch: 22217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-9	SS-15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 21661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-1	SS-3	Total/NA	Solid	8015NM Prep	
880-12436-2	SS-4	Total/NA	Solid	8015NM Prep	
880-12436-3	SS-6	Total/NA	Solid	8015NM Prep	
880-12436-4	SS-7	Total/NA	Solid	8015NM Prep	
880-12436-5	SS-8	Total/NA	Solid	8015NM Prep	
880-12436-6	SS-9	Total/NA	Solid	8015NM Prep	
880-12436-7	SS-11	Total/NA	Solid	8015NM Prep	
880-12436-9	SS-15	Total/NA	Solid	8015NM Prep	
MB 880-21661/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21661/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21661/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-1	SS-3	Total/NA	Solid	8015B NM	21661
880-12436-2	SS-4	Total/NA	Solid	8015B NM	21661
880-12436-3	SS-6	Total/NA	Solid	8015B NM	21661
880-12436-4	SS-7	Total/NA	Solid	8015B NM	21661
880-12436-5	SS-8	Total/NA	Solid	8015B NM	21661
880-12436-6	SS-9	Total/NA	Solid	8015B NM	21661
880-12436-7	SS-11	Total/NA	Solid	8015B NM	21661
880-12436-9	SS-15	Total/NA	Solid	8015B NM	21661
MB 880-21661/1-A	Method Blank	Total/NA	Solid	8015B NM	21661
LCS 880-21661/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21661
LCSD 880-21661/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21661

Eurofins Midland

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QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1 SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 21762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-1	SS-3	Total/NA	Solid	8015 NM	
880-12436-2	SS-4	Total/NA	Solid	8015 NM	
880-12436-3	SS-6	Total/NA	Solid	8015 NM	
880-12436-4	SS-7	Total/NA	Solid	8015 NM	
880-12436-5	SS-8	Total/NA	Solid	8015 NM	
880-12436-6	SS-9	Total/NA	Solid	8015 NM	
880-12436-7	SS-11	Total/NA	Solid	8015 NM	
880-12436-9	SS-15	Total/NA	Solid	8015 NM	

HPLC/IC

Analysis Batch: 47133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12436-1 - DL	SS-3	Total/NA	Solid	300.0	47209
880-12436-2 - DL	SS-4	Total/NA	Solid	300.0	47209
880-12436-4	SS-7	Total/NA	Solid	300.0	47209
880-12436-5	SS-8	Total/NA	Solid	300.0	47209
880-12436-6	SS-9	Total/NA	Solid	300.0	47209
880-12436-7	SS-11	Total/NA	Solid	300.0	47209
880-12436-8	SS-12	Total/NA	Solid	300.0	47209
880-12436-10 - DL	SS-22	Total/NA	Solid	300.0	47209
MB 860-47209/1-A	Method Blank	Total/NA	Solid	300.0	47209
MB 860-47209/28-A	Method Blank	Total/NA	Solid	300.0	47209
LCS 860-47209/29-A	Lab Control Sample	Total/NA	Solid	300.0	47209
LCS 860-47209/2-A	Lab Control Sample	Total/NA	Solid	300.0	47209
LCSD 860-47209/30-A	Lab Control Sample Dup	Total/NA	Solid	300.0	47209
LCSD 860-47209/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	47209
880-12436-5 MS	SS-8	Total/NA	Solid	300.0	47209
880-12436-5 MSD	SS-8	Total/NA	Solid	300.0	47209

Prep Batch: 47209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-12436-1 - DL	SS-3	Total/NA	Solid	300_Prep	
880-12436-2 - DL	SS-4	Total/NA	Solid	300_Prep	
880-12436-4	SS-7	Total/NA	Solid	300_Prep	
880-12436-5	SS-8	Total/NA	Solid	300_Prep	
880-12436-6	SS-9	Total/NA	Solid	300_Prep	
880-12436-7	SS-11	Total/NA	Solid	300_Prep	
880-12436-8	SS-12	Total/NA	Solid	300_Prep	
880-12436-10 - DL	SS-22	Total/NA	Solid	300_Prep	
MB 860-47209/1-A	Method Blank	Total/NA	Solid	300_Prep	
MB 860-47209/28-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-47209/29-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCS 860-47209/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-47209/30-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
LCSD 860-47209/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
880-12436-5 MS	SS-8	Total/NA	Solid	300_Prep	
880-12436-5 MSD	SS-8	Total/NA	Solid	300_Prep	

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Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1 SDG: Lea Co. NM

Client Sample ID: SS-3

Date Collected: 03/14/22 13:40 Date Received: 03/15/22 13:21

Lab Sample ID: 880-12436-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21762	03/17/22 08:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	21661	03/15/22 15:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21675	03/16/22 13:24	AJ	XEN MID
Total/NA	Prep	300_Prep	DL		4.97 g	50 mL	47209	03/31/22 18:29	ANP	XEN STF
Total/NA	Analysis	300.0	DL	100			47133	04/01/22 00:01	WP	XEN STF

Client Sample ID: SS-4 Lab Sample ID: 880-12436-2

Date Collected: 03/14/22 13:45 Date Received: 03/15/22 13:21

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Number or Analyzed Type Run Factor Amount Analyst Lab Total/NA Analysis 8015 NM 21762 03/17/22 08:43 AJ XEN MID Total/NA XEN MID Prep 8015NM Prep 10.01 g 10 mL 21661 03/15/22 15:59 DM Total/NA 8015B NM Analysis 1 21675 03/16/22 13:44 ΑJ XEN MID Total/NA 300_Prep DL 50 mL 47209 03/31/22 18:29 ANP XEN STF Prep 4.91 g Total/NA 300.0 DL 47133 04/01/22 00:37 WP XEN STF Analysis 10

Client Sample ID: SS-6 Lab Sample ID: 880-12436-3

Date Collected: 03/14/22 13:50

Matrix: Solid

Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21762	03/17/22 08:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21661	03/15/22 15:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21675	03/16/22 14:05	AJ	XEN MID

Client Sample ID: SS-7 Lab Sample ID: 880-12436-4

Date Collected: 03/14/22 13:55 Date Received: 03/15/22 13:21

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Amount Amount Number or Analyzed Run Factor Lab Analyst 8015 NM 03/17/22 08:43 Total/NA 21762 AJ XEN MID Analysis Total/NA Prep 8015NM Prep 10.03 g 10 mL 21661 03/15/22 15:59 DM XEN MID Total/NA 8015B NM 21675 03/16/22 14:25 XEN MID Analysis 1 AJ Total/NA Prep 300 Prep 4.92 g 50 mL 47209 03/31/22 18:29 ANP XEN STF

Client Sample ID: SS-8 Lab Sample ID: 880-12436-5

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47133

04/01/22 10:53

WP

Date Collected: 03/14/22 14:00

Analysis

300.0

Total/NA

Matrix: Solid

XEN STF

Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21762	03/17/22 08:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21661	03/15/22 15:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21675	03/16/22 14:46	AJ	XEN MID

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1 SDG: Lea Co. NM

Client Sample ID: SS-8

Date Collected: 03/14/22 14:00 Date Received: 03/15/22 13:21

Lab Sample ID: 880-12436-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			4.98 g	50 mL	47209	03/31/22 18:29	ANP	XEN STF
Total/NA	Analysis	300.0		1			47133	04/01/22 01:25	WP	XEN STF

Client Sample ID: SS-9 Lab Sample ID: 880-12436-6

Date Collected: 03/14/22 14:05 **Matrix: Solid**

Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			21762	03/17/22 08:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21661	03/15/22 15:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21675	03/16/22 15:06	AJ	XEN MID
Total/NA	Prep	300_Prep			5.08 g	50 mL	47209	03/31/22 18:29	ANP	XEN STF
Total/NA	Analysis	300.0		1			47133	04/01/22 02:00	WP	XEN STF

Client Sample ID: SS-11 Lab Sample ID: 880-12436-7

Date Collected: 03/14/22 14:10

Date Received: 03/15/22 13:21

Prep Type Total/NA	Batch Type Analysis	Batch Method 8015 NM	Run	Dil Factor	Initial Amount	Final Amount	Batch Number 21762	Prepared or Analyzed 03/17/22 08:43	Analyst AJ	_ Lab XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g	10 mL	21661 21675	03/15/22 15:59 03/16/22 15:27	DM AJ	XEN MID XEN MID
Total/NA Total/NA	Prep Analysis	300_Prep 300.0		1	5.09 g	50 mL	47209 47133	03/31/22 18:29 04/01/22 02:12	ANP WP	XEN STF XEN STF

Client Sample ID: SS-12 Lab Sample ID: 880-12436-8

Date Collected: 03/14/22 14:15 Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			4.92 g	50 mL	47209	03/31/22 18:29	ANP	XEN STF
Total/NA	Analysis	300.0		1			47133	04/01/22 02:24	WP	XEN STF

Client Sample ID: SS-15 Lab Sample ID: 880-12436-9

Date Collected: 03/14/22 14:20 Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	22004	03/21/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	22110	03/23/22 04:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22217	03/23/22 14:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			21762	03/17/22 08:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	21661	03/15/22 15:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21675	03/16/22 15:48	AJ	XEN MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Lab Sample ID: 880-12436-10

Matrix: Solid

Client Sample ID: SS-22 Date Collected: 03/14/22 14:25

Date Received: 03/15/22 13:21

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep	DL		4.97 g	50 mL	47209	03/31/22 18:29	ANP	XEN STF
Total/NA	Analysis	300.0	DL	10			47133	04/01/22 02:59	WP	XEN STF

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

uthority	Pi	rogram	Identification Number	Expiration Date
exas	N	ELAP	T104704400-21-22	06-30-22
THE IDIOWING ANALYTES				
the agency does not of Analysis Method	•	Matrix	ied by the governing authority. This list ma	ay include analytes for v
the agency does not of	fer certification.	·		ay include analytes for v

Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	21-038-0	08-04-22
Florida	NELAP	E871002	06-30-22
Louisiana	NELAP	03054	06-30-22
Oklahoma	State	2021-168	08-31-22
Texas	NELAP	T104704215-21-44	06-30-22
Texas	TCEQ Water Supply	T104704215	06-30-22
USDA	US Federal Programs	P330-22-00025	03-02-23

Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
800_Prep	Anions, Ion Chromatography, 10% Wt/Vol	MCAWW	XEN STF
6035	Closed System Purge and Trap	SW846	XEN MID
015NM Prep	Microextraction	SW846	XEN MID

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440 XEN STF = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Eurofins Midland

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Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-12436-1

SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12436-1	SS-3	Solid	03/14/22 13:40	03/15/22 13:21	4.5'
880-12436-2	SS-4	Solid	03/14/22 13:45	03/15/22 13:21	4.5'
880-12436-3	SS-6	Solid	03/14/22 13:50	03/15/22 13:21	4.5'
880-12436-4	SS-7	Solid	03/14/22 13:55	03/15/22 13:21	4.5'
380-12436-5	SS-8	Solid	03/14/22 14:00	03/15/22 13:21	4.5'
380-12436-6	SS-9	Solid	03/14/22 14:05	03/15/22 13:21	4.5'
880-12436-7	SS-11	Solid	03/14/22 14:10	03/15/22 13:21	4.5'
380-12436-8	SS-12	Solid	03/14/22 14:15	03/15/22 13:21	4.5'
880-12436-9	SS-15	Solid	03/14/22 14:20	03/15/22 13:21	1.5'
380-12436-10	SS-22	Solid	03/14/22 14:25	03/15/22 13:21	4.5'

Xenco environment Testing

Address:

2925

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Address.

Bill to: (if different) Company Name:

butler Durdown

Elocal

lusio Dallas Pkwy

Ste. 100

State of Project: Program:

UST/PST ☐ PRP☐ Brownfields ☐

RRC □

Superfund 🗌

Work Order Comments

www.xenco.com

Company Name: Project Manager

svirosmestal

Chain of Custody

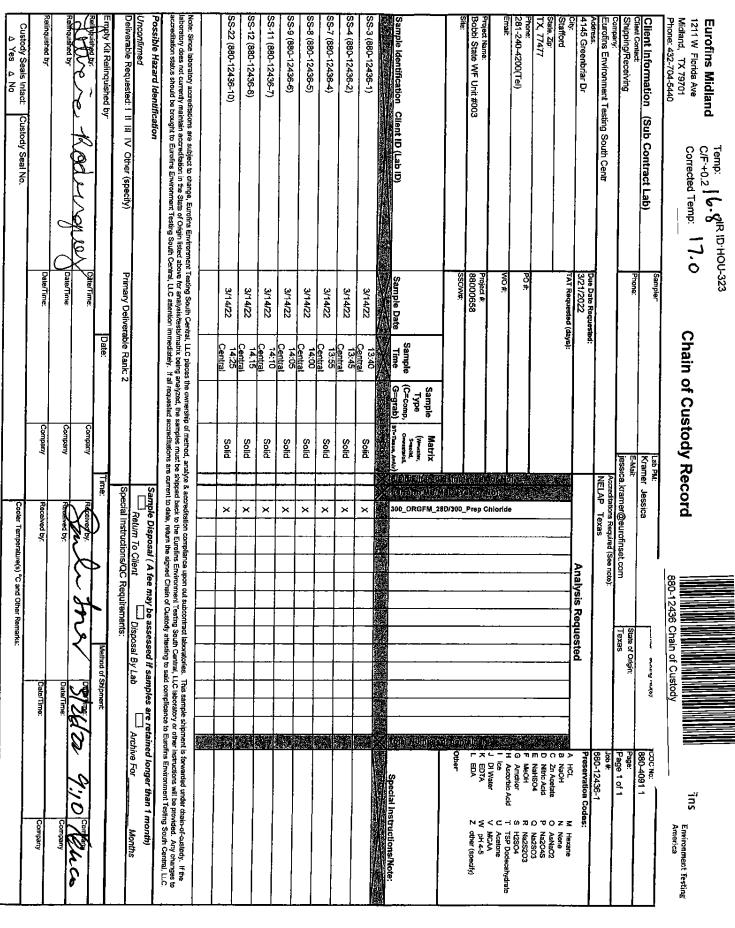
Houston, TX (281) 240-4200, Dallas, TX (214) 902-030 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-12

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880-12436 Chain of Custody	-3334
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Lea Co Seals: Yes No Yes No			6					
Processing Pr			4	13.2				•
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City, State ZIP Tall Tall City, State ZIP Tall Ta	mple Comments	Sal		TP	Grab/ Comp		Matrix	Sample Identification
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City, State ZIP Dallus, TX 75248 City, Sta		H ₂ S0 ₄ . H			L	the lab, if rece		PO# .
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1016556, 78 79761 City, State ZIP: DA 165, 78 75248 (575) 441-7244 Email Lindy. Crain @ gmail. com ANALYSIS REQUES		Cool Coo				Due Date.	*	Project Location.
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(575) 441-7244 Email Lindy. Crain @ amoil. com	servative Codes	Pre	ANALYSIS REQUEST	(round		bbbj State WFUni	Project Name:
Ublessa, TX 79761 City, State ZIP: DAILUS, TX 75248	Other:	EDD [in @ amoil. ex	ciraly. coe		575) 441-724	Phone /
] TRRP [Level IV []	ing Level II 🗌 Level III 📗 PST/UST 📗	75248	Dallas TX	City, State ZIP		X	City, State ZIP:

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Chain of Custody Record 2436 Chain of Custody Sui Environment Testing



Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-12436-1 SDG Number: Lea Co. NM

Login Number: 12436 **List Source: Eurofins Midland**

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-12436-1 SDG Number: Lea Co. NM

Login Number: 12436
List Source: Eurofins Houston
List Number: 2
List Creation: 03/26/22 12:39 PM

Creator: Torres, Sandra

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Refer to Job Narrative for details.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	17.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	

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ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-15702-1

Laboratory Sample Delivery Group: Lea Co. NM Client Project/Site: Bobbi State WF Unit #3

Revision: 1

For:

eurofins

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

RAMER

Authorized for release by: 6/20/2022 3:18:41 PM

Jessica Kramer, Project Manager

Jessica.Kramer@et.eurofinsus.com

(432)704-5440

.....LINKS

Review your project results through

EOL

Have a Question?

Received by OCD: 9/12/2022 7:27:20 AM

Visit us at:

www.eurofinsus.com/Env Released to Imaging: 9/14/2022/2:27:35 PM This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Laboratory Job ID: 880-15702-1

SDG: Lea Co. NM

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QC Association Summary	18
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Sample Summary	27
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Definitions/Glossary

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3

SDG: Lea Co. NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

Relative Percent Difference, a measure of the relative difference between two points **RPD**

TFF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1

SDG: Lea Co. NM

Job ID: 880-15702-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-15702-1

REVISION

The report being provided is a revision of the original report sent on 6/20/2022. The report (revision 1) is being revised due to Per client email, requesting sample ID change from SS-5 (5') to SS-3 (5').

Report revision history

Receipt

The samples were received on 6/9/2022 3:09 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Client Sample ID: SS-1 (2.5') Date Collected: 06/08/22 10:40

Lab Sample ID: 880-15702-1

06/10/22 08:24 06/12/22 02:40

Date Received: 06/09/22 15:09

Matrix: Solid

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Cl	hromatograph	y - Soluble					
Analyte	Result Qu	ıalifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170	4.99	mg/Kg			06/18/22 01:36	1

Client Sample ID: SS-3 (2.5') Lab Sample ID: 880-15702-2

Date Collected: 06/08/22 10:05 Matrix: Solid

Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Method: 8015 NM - Diesel Ran	ge Organic	s (DRO) (G	SC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:04	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)											
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 02:40	1		
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 02:40	1		
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 02:40	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
1-Chlorooctane	87		70 - 130				06/10/22 08:24	06/12/22 02:40	1		

Method: 300.0 - Anions, Ion C	hromatography - Solubl	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1540	24.9	mg/Kg			06/18/22 01:45	5

70 - 130

92

Client Sample ID: SS-3 (5') Lab Sample ID: 880-15702-3

Date Collected: 06/08/22 10:45 Date Received: 06/09/22 15:09

Sample Depth: 5'

o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	856		24.8		mg/Kg			06/18/22 01:54	5

Lab Sample ID: 880-15702-4 Client Sample ID: SS-4 (2.5') Date Collected: 06/08/22 11:00 Matrix: Solid

Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Method: 8015 NM - Diesel Range C)rganics (DRO) (GC)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9 U	49.9		mg/Kg			06/13/22 09:04	1	
Method: 8015B NM - Diesel Range	Organics (DRO)	(GC)							
Δnalvto	Result Qualifier	RI	MDI	Unit	D	Propared	Analyzod	Dil Fac	

Method. 00 130 MM - Diesei Kai	ige Organi	CS (DICO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 03:00	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 03:00	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 03:00	1

Eurofins Midland

Matrix: Solid

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3 Client Sample ID: SS-4 (2.5')

Lab Sample ID: 880-15702-4

Lab Sample ID: 880-15702-5

Matrix: Solid

Matrix: Solid

Job ID: 880-15702-1

SDG: Lea Co. NM

Date Collected: 06/08/22 11:00 Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85	70 - 130	06/10/22 08:24	06/12/22 03:00	1
o-Terphenyl	93	70 - 130	06/10/22 08:24	06/12/22 03:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8820	99.0	mg/Kg			06/18/22 02:22	20

Client Sample ID: SS-5 (5')

Date Collected: 06/08/22 10:00 Date Received: 06/09/22 15:09

Sample Depth: 5'

Method: 8015 NM - Diesel Range	Organic	s (DRO) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/13/22 09:04	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:21	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/10/22 08:24	06/12/22 03:21	1
o-Terphenyl	98		70 - 130				06/10/22 08:24	06/12/22 03:21	1

Method: 300.0 - Anions.	, Ion Chromatography - Soluble)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4480		50.5		mg/Kg			06/18/22 02:31	10

Client Sample ID: SS-8 (2.5')

Released to Imaging: 9/14/2022 2:27:35 PM

Date Collected: 06/08/22 10:20

Date Received: 06/09/22 15:09

Sample Depth: 2.5'

o-Terphenyl

Method: 8015 NM - Diesel Ran	ge Organics (DRO) (GC)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50 0 U	50.0	ma/Ka			06/13/22 09:04	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

106

Method. of 135 MM - Diesel Ka	iliye Organi	ics (DKO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:41	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/10/22 08:24	06/12/22 03:41	1

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06/10/22 08:24 06/12/22 03:41

70 - 130

Lab Sample ID: 880-15702-6 **Matrix: Solid**

Matrix: Solid

Client Sample Results

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Client Sample ID: SS-8 (2.5') Lab Sample ID: 880-15702-6

Date Collected: 06/08/22 10:20 **Matrix: Solid** Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chr	omatogra	phy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2050		25.0		mg/Kg			06/18/22 02:40	5

Client Sample ID: SS-21 (2.5') Lab Sample ID: 880-15702-7

Date Collected: 06/08/22 10:15 Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Ch	romatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300	25.0	mg/Kg			06/18/22 02:49	5

Client Sample ID: SS-22 (2.5') Lab Sample ID: 880-15702-8 **Matrix: Solid**

Date Collected: 06/08/22 10:10 Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Cl	hromatography - Solul	ole					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480	4.99	mg/Kg			06/18/22 02:58	1

Client Sample ID: SS-22 (4.5') Lab Sample ID: 880-15702-9 Date Collected: 06/08/22 10:30 **Matrix: Solid**

Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solu	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	345		5.00		mg/Kg			06/18/22 03:08	1

Lab Sample ID: 880-15702-10 Client Sample ID: SS-23 (2.5')

Date Collected: 06/08/22 10:25 Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/14/22 11:32	06/15/22 05:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/14/22 11:32	06/15/22 05:25	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/14/22 11:32	06/15/22 05:25	1
Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			06/15/22 09:34	

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Matrix: Solid

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

SDG: Lea Co. NM

Client Sample ID: SS-23 (2.5')

Date Collected: 06/08/22 10:25

Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Lab Sample ID: 880-15702-10

Prepared

Matrix: Solid

Analyzed

06/18/22 03:35

Lab Sample ID: 880-15702-11

Job ID: 880-15702-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/13/22 09:04	1
Method: 8015B NM - Diesel Ra	ange Organi	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 04:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 04:01	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/10/22 08:24	06/12/22 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/10/22 08:24	06/12/22 04:01	1
o-Terphenyl	99		70 - 130				06/10/22 08:24	06/12/22 04:01	1

RL

24.8

MDL Unit

mg/Kg

Result Qualifier

1780

Client Sample ID: SS-23 (4.5')

Date Collected: 06/08/22 10:35 Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
m-Xylene & p-Xylene	< 0.00396	U	0.00396		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/14/22 11:32	06/15/22 05:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/14/22 11:32	06/15/22 05:45	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/14/22 11:32	06/15/22 05:45	1
Method: Total BTEX - Total B			RI	MDI	Unit	D	Prenared	Analyzed	Dil Fac
Method: Total BTEX - Total B	TEX Calcula	tion							
Method: Total BTEX - Total B Analyte Total BTEX		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/15/22 09:34	Dil Fac
Analyte Total BTEX	Result < 0.00396	Qualifier U	0.00396	MDL		<u>D</u>	Prepared		
Analyte	Result <0.00396	Qualifier U	0.00396	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		
Analyte Total BTEX Method: 8015 NM - Diesel Ra	Result <0.00396	Qualifier U s (DRO) (Qualifier	0.00396 GC)		mg/Kg	_ =	<u> </u>	06/15/22 09:34	1
Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte	Result <0.00396 nge Organic Result <50.0	Qualifier U s (DRO) (O Qualifier U	0.00396 SC) RL 50.0		mg/Kg	_ =	<u> </u>	06/15/22 09:34 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH	Result <0.00396 nge Organic Result <50.0 Range Organ	Qualifier U s (DRO) (O Qualifier U	0.00396 SC) RL 50.0		mg/Kg Unit mg/Kg	_ =	<u> </u>	06/15/22 09:34 Analyzed	1
Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R	Result <0.00396 nge Organic Result <50.0 Range Organ	Qualifier U s (DRO) (O Qualifier U ics (DRO) Qualifier	0.00396 RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	06/15/22 09:34 Analyzed 06/13/22 09:04	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte Total TPH Method: 8015B NM - Diesel R Analyte Gasoline Range Organics	Result <0.00396 nge Organic Result <50.0 Range Organ Result	Qualifier U S (DRO) (O Qualifier U ics (DRO) Qualifier U	0.00396 RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	06/15/22 09:34 Analyzed 06/13/22 09:04 Analyzed	Dil Fac

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Dil Fac

Matrix: Solid

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1 SDG: Lea Co. NM

Lab Sample ID: 880-15702-11

Lab Sample ID: 880-15702-12

Matrix: Solid

Matrix: Solid

Client Sample ID: SS-23 (4.5')

Date Collected: 06/08/22 10:35 Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87	70 - 130	06/10/22 08:24	06/12/22 04:21	1
o-Terphenyl	95	70 - 130	06/10/22 08:24	06/12/22 04:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10900	100	mg/Kg			06/18/22 03:44	20

Client Sample ID: SS-24 (2.5')

Date Collected: 06/08/22 10:50 Date Received: 06/09/22 15:09

Sample Depth: 2.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/14/22 11:32	06/15/22 06:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				06/14/22 11:32	06/15/22 06:06	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/14/22 11:32	06/15/22 06:06	1

Method: Total BTEX - Tota	al BTEX Calculation						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 U	0.00401	mg/Kg			06/15/22 09:34	1

Method: 8015 NM - Diesel F	Range Organics (DRO) (GC)
Δnalvte	Result Qualifier

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			06/13/22 09:04	1

Method: 8015B NM - Diesel	Range Organics (DRO) (GC)
A a l4 a	Decult Ovelities

Analyte	Result	Qualifier	KL	MDL	Unit	ט	Prepared	Anaiyzea	DII Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 04:41	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 04:41	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/10/22 08:24	06/12/22 04:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1 Chlaracatona	0.4	·	70 400				00/40/00 00:04	00/40/00 04:44	

	1-Chlorooctane	84	70 - 130	06/10/22 08:24 06/12/22 04:41 1
Į	o-Terphenyl	89	70 - 130	06/10/22 08:24 06/12/22 04:41 1
ſ	_			

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	870	24.8	mg/Kg			06/18/22 04:12	5

Client: Crain Environmental

Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Client Sample ID: SS-24 (4.5') Lab Sample ID: 880-15702-13

Date Collected: 06/08/22 10:55 **Matrix: Solid** Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		06/14/22 11:32	06/15/22 06:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				06/14/22 11:32	06/15/22 06:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130				06/14/22 11:32	06/15/22 06:26	1
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	<0.00399	Qualifier U	0.00399	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 06/15/22 09:34	Dil Fac
Method: Total BTEX - Total I Analyte Total BTEX Method: 8015 NM - Diesel Ra Analyte	Result <0.00399 ange Organic	Qualifier U	0.00399	MDL MDL	mg/Kg	<u>D</u>	Prepared Prepared		Dil Fac
Analyte Total BTEX : Method: 8015 NM - Diesel R	Result <0.00399 ange Organic	Qualifier U	0.00399 GC)		mg/Kg	=	•	06/15/22 09:34	1
Analyte Total BTEX Method: 8015 NM - Diesel Ranalyte	Result <0.00399 ange Organic Result 287	Qualifier U S (DRO) (O Qualifier	0.00399 GC) RL 50.0		mg/Kg Unit	=	•	06/15/22 09:34 Analyzed	1 Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Ranalyte Total TPH Method: 8015B NM - Diesel	Result <0.00399 ange Organic Result 287 Range Organ	Qualifier U S (DRO) (O Qualifier	0.00399 GC) RL 50.0		mg/Kg Unit mg/Kg	=	•	06/15/22 09:34 Analyzed	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Ranalyte Total TPH Method: 8015B NM - Diesel Analyte Gasoline Range Organics	Result <0.00399 ange Organic Result 287 Range Organ	Qualifier U S (DRO) (C Qualifier ics (DRO) Qualifier	0.00399 RL 50.0 (GC)	MDL	mg/Kg Unit mg/Kg	<u></u> <u>D</u>	Prepared	06/15/22 09:34 Analyzed 06/13/22 09:04	Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Ranalyte Total TPH	Result <0.00399 ange Organic Result 287 Range Organ Result	Qualifier U S (DRO) (C Qualifier ics (DRO) Qualifier	0.00399 RL 50.0 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u></u> <u>D</u>	Prepared Prepared	06/15/22 09:34 Analyzed 06/13/22 09:04 Analyzed	1 Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/10/22 08:24	06/12/22 05:22	1
o-Terphenyl	100		70 - 130	06/10/22 08:24	06/12/22 05:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RLMDL Unit Prepared Analyzed Chloride 3670 24.9 06/18/22 04:22 mg/Kg

Client Sample ID: SS-25 (4.5') Lab Sample ID: 880-15702-14 **Matrix: Solid**

Date Collected: 06/08/22 11:05 Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 06:47	1
Toluene	< 0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 06:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 06:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/14/22 11:32	06/15/22 06:47	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		06/14/22 11:32	06/15/22 06:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/14/22 11:32	06/15/22 06:47	1

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Client Sample ID: SS-25 (4.5')

Lab Sample ID: 880-15702-14

Lab Sample ID: 880-15702-15

Matrix: Solid

Job ID: 880-15702-1

SDG: Lea Co. NM

Date Collected: 06/08/22 11:05 Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116	70 - 130	06/14/22 11:32	06/15/22 06:47	1
1,4-Difluorobenzene (Surr)	97	70 - 130	06/14/22 11:32	06/15/22 06:47	1

Method: Total BTEX - Total BTEX Calculation

Analyte Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac Total BTEX <0.00398 U 06/15/22 09:34 0.00398 mg/Kg

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Result Qualifier RL MDL Unit D Analyzed Prepared Dil Fac Total TPH <49.9 U 49.9 06/13/22 09:04 mg/Kg

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/10/22 11:13	06/11/22 04:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/10/22 11:13	06/11/22 04:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/10/22 11:13	06/11/22 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/10/22 11:13	06/11/22 04:10	1
o-Terphenyl	92		70 - 130	06/10/22 11:13	06/11/22 04:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier RI	. MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	424	4.96	3	mg/Kg			06/18/22 04:31	1

Client Sample ID: SS-26 (4.5')

Sample Depth: 4.5'

Date Collected: 06/08/22 11:10	Matrix: Solid
Date Received: 06/09/22 15:09	

Method: 8021B - Volatile Org	anic Compo	unds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/14/22 11:32	06/15/22 07:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				06/14/22 11:32	06/15/22 07:07	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/14/22 11:32	06/15/22 07:07	1

l	1,4-Dilluoroberizerie (Surr)	90		70 - 130				00/14/22 11.32	00/13/22 01.01	,
	Method: Total BTEX - Total BT	EX Calcula	tion							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00402	U	0.00402		mg/Kg			06/15/22 09:34	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg		_	06/13/22 09:04	1

Client Sample Results

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Client Sample ID: SS-26 (4.5')

Date Collected: 06/08/22 11:10 Date Received: 06/09/22 15:09

Sample Depth: 4.5'

Lab Sample ID: 880-15702-15

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Dil Fac **MDL** Unit Prepared Analyzed <50.0 U 50.0 06/10/22 11:13 06/11/22 04:32 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 06/10/22 11:13 06/11/22 04:32 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 06/10/22 11:13 06/11/22 04:32 mg/Kg %Recovery Qualifier Limits Prepared Analyzed Dil Fac Surrogate 1-Chlorooctane 70 - 130 06/10/22 11:13 06/11/22 04:32 92 06/10/22 11:13 06/11/22 04:32 70 - 130 o-Terphenyl 100

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier **MDL** Unit RL D Prepared Analyzed Dil Fac 25.3 mg/Kg 06/18/22 04:40 Chloride 2460 5

Surrogate Summary

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Percent S	urrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-15702-10	SS-23 (2.5')	115	95	
880-15702-11	SS-23 (4.5')	99	86	
880-15702-12	SS-24 (2.5')	93	85	
880-15702-13	SS-24 (4.5')	114	99	
880-15702-14	SS-25 (4.5')	116	97	
880-15702-15	SS-26 (4.5')	111	95	
LCS 880-27499/1-A	Lab Control Sample	107	102	
LCSD 880-27499/2-A	Lab Control Sample Dup	107	100	
MB 880-27492/5-A	Method Blank	101	91	
MB 880-27499/5-A	Method Blank	101	91	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

			Percer	nt Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-15702-2	SS-3 (2.5')	87	92	
380-15702-4	SS-4 (2.5')	85	93	
380-15702-5	SS-5 (5')	88	98	
380-15702-6	SS-8 (2.5')	97	106	
380-15702-10	SS-23 (2.5')	89	99	
380-15702-11	SS-23 (4.5')	87	95	
380-15702-12	SS-24 (2.5')	84	89	
380-15702-13	SS-24 (4.5')	93	100	
380-15702-14	SS-25 (4.5')	85	92	
380-15702-15	SS-26 (4.5')	92	100	
_CS 880-27248/2-A	Lab Control Sample	99	104	
_CS 880-27293/2-A	Lab Control Sample	100	108	
CSD 880-27248/3-A	Lab Control Sample Dup	93	96	
CSD 880-27293/3-A	Lab Control Sample Dup	100	111	
MB 880-27248/1-A	Method Blank	91	102	
MB 880-27293/1-A	Method Blank	93	102	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Crain Environmental Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1 SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27492/5-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27492

	MB	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/14/22 10:17	06/14/22 16:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/14/22 10:17	06/14/22 16:13	1

MB MB

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	101	70 - 130
1.4-Difluorobenzene (Surr)	91	70 - 130

Prepared Analyzed Dil Fac 06/14/22 10:17 06/14/22 16:13 06/14/22 10:17 06/14/22 16:13

Client Sample ID: Method Blank Lab Sample ID: MB 880-27499/5-A **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 27499

MB MB Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Benzene 06/14/22 11:32 06/15/22 03:41 <0.00200 U 0.00200 mg/Kg Toluene mg/Kg 06/14/22 11:32 06/15/22 03:41 <0.00200 U 0.00200 Ethylbenzene mg/Kg 06/14/22 11:32 06/15/22 03:41 <0.00200 U 0.00200 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 06/14/22 11:32 06/15/22 03:41 o-Xylene <0.00200 U 0.00200 mg/Kg 06/14/22 11:32 06/15/22 03:41 Xylenes, Total <0.00400 U 0.00400 mg/Kg 06/14/22 11:32 06/15/22 03:41

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/14/22 11:32	06/15/22 03:41	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/14/22 11:32	06/15/22 03:41	1

Lab Sample ID: LCS 880-27499/1-A

Matrix: Solid

Analysis Batch: 27512

Analysis Batch: 27512

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 27499

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	
Toluene	0.100	0.09772		mg/Kg		98	70 - 130	
Ethylbenzene	0.100	0.1021		mg/Kg		102	70 - 130	
m-Xylene & p-Xylene	0.200	0.2037		mg/Kg		102	70 - 130	
o-Xylene	0.100	0.1029		mg/Kg		103	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-27499/2-A

Matrix: Solid							Prep Ty	pe: Tot	al/NA
Analysis Batch: 27512							Prep E	3atch: 2	27499
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1084		mg/Kg		108	70 - 130	7	35

QC Sample Results

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-27499/2-A

Matrix: Solid

Analysis Batch: 27512

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 27499

LCSD LCSD %Rec **RPD** Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Toluene 0.100 0.1050 mg/Kg 105 70 - 130 7 35 0.100 Ethylbenzene 0.1109 mg/Kg 111 70 - 1308 35 0.200 0.2208 mg/Kg 70 - 130 35 m-Xylene & p-Xylene 110 8 0.100 35 o-Xylene 0.1121 mg/Kg 112 70 - 130 9

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-27248/1-A

Matrix: Solid

Analysis Batch: 27332

MB MB

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27248

Analyte Result Qualifier <50.0 U

RL **MDL** Unit Prepared Analyzed Dil Fac 50.0 06/10/22 08:24 06/11/22 20:47 Gasoline Range Organics mg/Kg (GRO)-C6-C10 06/10/22 08:24 06/11/22 20:47 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 06/10/22 08:24 06/11/22 20:47 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/10/22 08:24	06/11/22 20:47	1
o-Terphenyl	102		70 - 130	06/10/22 08:24	06/11/22 20:47	1

Lab Sample ID: LCS 880-27248/2-A

Matrix: Solid

Analysis Batch: 27332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27248

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit %Rec 1000 70 - 130 Gasoline Range Organics 1011 101 mg/Kg (GRO)-C6-C10 1000 1113 70 - 130 Diesel Range Organics (Over mg/Kg 111

C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-27248/3-A

Matrix: Solid

C10-C28)

Analysis Batch: 27332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27248

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	938.2		mg/Kg		94	70 - 130	7	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1062		mg/Kg		106	70 - 130	5	20	

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Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-27248/3-A

Matrix: Solid

Analysis Batch: 27332

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27248

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: MB 880-27293/1-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27293

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 06/10/22 11:13 06/10/22 20:04 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 06/10/22 11:13 06/10/22 20:04 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 06/10/22 11:13 06/10/22 20:04

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/10/22 11:13	06/10/22 20:04	1
o-Terphenyl	102		70 - 130	06/10/22 11:13	06/10/22 20:04	1

Lab Sample ID: LCS 880-27293/2-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 27293

Spike LCS LCS %Rec Result Qualifier Analyte Added Unit D %Rec Limits Gasoline Range Organics 1000 1158 70 - 130 mg/Kg 116 (GRO)-C6-C10 Diesel Range Organics (Over 1000 866.5 mg/Kg 87 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	100	70 - 130
o-Terphenyl	108	70 - 130

Lab Sample ID: LCSD 880-27293/3-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27293

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1167		mg/Kg		117	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	881.5		mg/Kg		88	70 - 130	2	20	
- · ·										

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	100	70 - 130
o-Terphenvl	111	70 - 130

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Client Sample ID: SS-22 (4.5')

Client Sample ID: SS-22 (4.5')

QC Sample Results

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27516/1-A

Matrix: Solid

Analysis Batch: 27728

MB MB

Analyte Result Qualifier RL **MDL** Unit Analyzed Dil Fac D Prepared 5.00 06/18/22 00:31 Chloride <5.00 U mg/Kg

Lab Sample ID: LCS 880-27516/2-A

Matrix: Solid

Analysis Batch: 27728

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 90 - 110 271.8 mg/Kg 109

Lab Sample ID: LCSD 880-27516/3-A

Matrix: Solid

Analysis Batch: 27728

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit **Analyte** Unit %Rec Chloride 250 274.4 90 - 110 mg/Kg

Lab Sample ID: 880-15702-9 MS

Matrix: Solid

Analysis Batch: 27728

Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 345 250 597.5 90 - 110 mg/Kg 101

Lab Sample ID: 880-15702-9 MSD

Matrix: Solid

Analysis Batch: 27728

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Limits Result Qualifier Unit %Rec Limit Chloride 345 250 598.1 101 20 mg/Kg 90 - 110 0

QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1 SDG: Lea Co. NM

GC VOA

Prep Batch: 27492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27492/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 27499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-10	SS-23 (2.5')	Total/NA	Solid	5035	
880-15702-11	SS-23 (4.5')	Total/NA	Solid	5035	
880-15702-12	SS-24 (2.5')	Total/NA	Solid	5035	
880-15702-13	SS-24 (4.5')	Total/NA	Solid	5035	
880-15702-14	SS-25 (4.5')	Total/NA	Solid	5035	
880-15702-15	SS-26 (4.5')	Total/NA	Solid	5035	
MB 880-27499/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 27512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-10	SS-23 (2.5')	Total/NA	Solid	8021B	27499
880-15702-11	SS-23 (4.5')	Total/NA	Solid	8021B	27499
880-15702-12	SS-24 (2.5')	Total/NA	Solid	8021B	27499
880-15702-13	SS-24 (4.5')	Total/NA	Solid	8021B	27499
880-15702-14	SS-25 (4.5')	Total/NA	Solid	8021B	27499
880-15702-15	SS-26 (4.5')	Total/NA	Solid	8021B	27499
MB 880-27492/5-A	Method Blank	Total/NA	Solid	8021B	27492
MB 880-27499/5-A	Method Blank	Total/NA	Solid	8021B	27499
LCS 880-27499/1-A	Lab Control Sample	Total/NA	Solid	8021B	27499
LCSD 880-27499/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27499

Analysis Batch: 27571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-10	SS-23 (2.5')	Total/NA	Solid	Total BTEX	
880-15702-11	SS-23 (4.5')	Total/NA	Solid	Total BTEX	
880-15702-12	SS-24 (2.5')	Total/NA	Solid	Total BTEX	
880-15702-13	SS-24 (4.5')	Total/NA	Solid	Total BTEX	
880-15702-14	SS-25 (4.5')	Total/NA	Solid	Total BTEX	
880-15702-15	SS-26 (4.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 27237

Lab Sample ID 880-15702-14	Client Sample ID SS-25 (4.5')	Prep Type Total/NA	Matrix Solid	Method 8015B NM	Prep Batch 27293
880-15702-15	SS-26 (4.5')	Total/NA	Solid	8015B NM	27293
MB 880-27293/1-A	Method Blank	Total/NA	Solid	8015B NM	27293
LCS 880-27293/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27293
LCSD 880-27293/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27293

Prep Batch: 27248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-2	SS-3 (2.5')	Total/NA	Solid	8015NM Prep	
880-15702-4	SS-4 (2.5')	Total/NA	Solid	8015NM Prep	
880-15702-5	SS-5 (5')	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1 SDG: Lea Co. NM

GC Semi VOA (Continued)

Prep Batch: 27248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-6	SS-8 (2.5')	Total/NA	Solid	8015NM Prep	
880-15702-10	SS-23 (2.5')	Total/NA	Solid	8015NM Prep	
880-15702-11	SS-23 (4.5')	Total/NA	Solid	8015NM Prep	
880-15702-12	SS-24 (2.5')	Total/NA	Solid	8015NM Prep	
880-15702-13	SS-24 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-27248/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27248/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27248/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 27293

Lab Sample ID 880-15702-14	Client Sample ID SS-25 (4.5')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
880-15702-15	SS-26 (4.5')	Total/NA	Solid	8015NM Prep	
MB 880-27293/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27293/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27293/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-2	SS-3 (2.5')	Total/NA	Solid	8015B NM	27248
880-15702-4	SS-4 (2.5')	Total/NA	Solid	8015B NM	27248
880-15702-5	SS-5 (5')	Total/NA	Solid	8015B NM	27248
880-15702-6	SS-8 (2.5')	Total/NA	Solid	8015B NM	27248
880-15702-10	SS-23 (2.5')	Total/NA	Solid	8015B NM	27248
880-15702-11	SS-23 (4.5')	Total/NA	Solid	8015B NM	27248
880-15702-12	SS-24 (2.5')	Total/NA	Solid	8015B NM	27248
880-15702-13	SS-24 (4.5')	Total/NA	Solid	8015B NM	27248
MB 880-27248/1-A	Method Blank	Total/NA	Solid	8015B NM	27248
LCS 880-27248/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27248
LCSD 880-27248/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27248

Analysis Batch: 27369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-2	SS-3 (2.5')	Total/NA	Solid	8015 NM	
880-15702-4	SS-4 (2.5')	Total/NA	Solid	8015 NM	
880-15702-5	SS-5 (5')	Total/NA	Solid	8015 NM	
880-15702-6	SS-8 (2.5')	Total/NA	Solid	8015 NM	
880-15702-10	SS-23 (2.5')	Total/NA	Solid	8015 NM	
880-15702-11	SS-23 (4.5')	Total/NA	Solid	8015 NM	
880-15702-12	SS-24 (2.5')	Total/NA	Solid	8015 NM	
880-15702-13	SS-24 (4.5')	Total/NA	Solid	8015 NM	
880-15702-14	SS-25 (4.5')	Total/NA	Solid	8015 NM	
880-15702-15	SS-26 (4.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 27516

Lab Sample ID 880-15702-1	Client Sample ID SS-1 (2.5')	Prep Type Soluble	Matrix Solid	Method DI Leach	Prep Batch
880-15702-2	SS-3 (2.5')	Soluble	Solid	DI Leach	
880-15702-3	SS-3 (5')	Soluble	Solid	DI Leach	

QC Association Summary

Job ID: 880-15702-1 Client: Crain Environmental Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

HPLC/IC (Continued)

Leach Batch: 27516 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-4	SS-4 (2.5')	Soluble	Solid	DI Leach	
880-15702-5	SS-5 (5')	Soluble	Solid	DI Leach	
880-15702-6	SS-8 (2.5')	Soluble	Solid	DI Leach	
880-15702-7	SS-21 (2.5')	Soluble	Solid	DI Leach	
880-15702-8	SS-22 (2.5')	Soluble	Solid	DI Leach	
880-15702-9	SS-22 (4.5')	Soluble	Solid	DI Leach	
880-15702-10	SS-23 (2.5')	Soluble	Solid	DI Leach	
880-15702-11	SS-23 (4.5')	Soluble	Solid	DI Leach	
880-15702-12	SS-24 (2.5')	Soluble	Solid	DI Leach	
880-15702-13	SS-24 (4.5')	Soluble	Solid	DI Leach	
880-15702-14	SS-25 (4.5')	Soluble	Solid	DI Leach	
880-15702-15	SS-26 (4.5')	Soluble	Solid	DI Leach	
MB 880-27516/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27516/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27516/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-15702-9 MS	SS-22 (4.5')	Soluble	Solid	DI Leach	
880-15702-9 MSD	SS-22 (4.5')	Soluble	Solid	DI Leach	

Analysis Batch: 27728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-15702-1	SS-1 (2.5')	Soluble	Solid	300.0	27516
880-15702-2	SS-3 (2.5')	Soluble	Solid	300.0	27516
880-15702-3	SS-3 (5')	Soluble	Solid	300.0	27516
880-15702-4	SS-4 (2.5')	Soluble	Solid	300.0	27516
880-15702-5	SS-5 (5')	Soluble	Solid	300.0	27516
880-15702-6	SS-8 (2.5')	Soluble	Solid	300.0	27516
880-15702-7	SS-21 (2.5')	Soluble	Solid	300.0	27516
880-15702-8	SS-22 (2.5')	Soluble	Solid	300.0	27516
880-15702-9	SS-22 (4.5')	Soluble	Solid	300.0	27516
880-15702-10	SS-23 (2.5')	Soluble	Solid	300.0	27516
880-15702-11	SS-23 (4.5')	Soluble	Solid	300.0	27516
880-15702-12	SS-24 (2.5')	Soluble	Solid	300.0	27516
880-15702-13	SS-24 (4.5')	Soluble	Solid	300.0	27516
880-15702-14	SS-25 (4.5')	Soluble	Solid	300.0	27516
880-15702-15	SS-26 (4.5')	Soluble	Solid	300.0	27516
MB 880-27516/1-A	Method Blank	Soluble	Solid	300.0	27516
LCS 880-27516/2-A	Lab Control Sample	Soluble	Solid	300.0	27516
LCSD 880-27516/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27516
880-15702-9 MS	SS-22 (4.5')	Soluble	Solid	300.0	27516
880-15702-9 MSD	SS-22 (4.5')	Soluble	Solid	300.0	27516

Project/Site: Bobbi State WF Unit #3

Lab Sample ID: 880-15702-1

Date Collected: 06/08/22 10:40 Date Received: 06/09/22 15:09

Client Sample ID: SS-1 (2.5')

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		1			27728	06/18/22 01:36	CH	XEN MID

Client Sample ID: SS-3 (2.5') Lab Sample ID: 880-15702-2

Date Collected: 06/08/22 10:05 Date Received: 06/09/22 15:09

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 02:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		5			27728	06/18/22 01:45	CH	XEN MID

Lab Sample ID: 880-15702-3 Client Sample ID: SS-3 (5')

Date Collected: 06/08/22 10:45

Matrix: Solid

Date Received: 06/09/22 15:09

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Soluble	Leach	DI Leach			5.05 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
l	Soluble	Analysis	300.0		5			27728	06/18/22 01:54	CH	XEN MID

Client Sample ID: SS-4 (2.5') Lab Sample ID: 880-15702-4

Date Collected: 06/08/22 11:00 Date Received: 06/09/22 15:09

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 03:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		20			27728	06/18/22 02:22	CH	XEN MID

Client Sample ID: SS-5 (5') Lab Sample ID: 880-15702-5 Date Collected: 06/08/22 10:00 Matrix: Solid

Date Received: 06/09/22 15:09

Soluble

Batch Batch Dil Initial Final **Batch** Prepared Method Number **Prep Type** Type Run **Factor Amount** Amount or Analyzed Analyst Lab Total/NA 8015 NM 06/13/22 09:04 AJ Analysis 1 27369 XEN MID Total/NA 8015NM Prep 27248 06/10/22 08:24 DM XEN MID Prep 10.00 g 10 mL Total/NA Analysis 8015B NM 27332 06/12/22 03:21 AJ XEN MID Soluble 27516 06/14/22 13:37 SC XEN MID Leach DI Leach 4.95 g 50 mL

27728

06/18/22 02:31 CH

10

Eurofins Midland

XEN MID

Analysis

300.0

Project/Site: Bobbi State WF Unit #3 Client Sample ID: SS-8 (2.5')

Lab Sample ID: 880-15702-6

Matrix: Solid

Job ID: 880-15702-1

SDG: Lea Co. NM

Date Collected: 06/08/22 10:20 Date Received: 06/09/22 15:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 03:41	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		5			27728	06/18/22 02:40	CH	XEN MID

Client Sample ID: SS-21 (2.5')

Date Collected: 06/08/22 10:15 Date Received: 06/09/22 15:09

Lab Sample ID: 880-15702-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		5			27728	06/18/22 02:49	CH	XEN MID

Client Sample ID: SS-22 (2.5')

Date Collected: 06/08/22 10:10

Date Received: 06/09/22 15:09

Lab Sample ID: 880-15702-8

Lab Sample ID: 880-15702-9

Lab Sample ID: 880-15702-10

Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		1			27728	06/18/22 02:58	CH	XEN MID

Client Sample ID: SS-22 (4.5')

Date Collected: 06/08/22 10:30

Date Received: 06/09/22 15:09

	Batch	Batch	_	Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		1			27728	06/18/22 03:08	CH	XEN MID

Client Sample ID: SS-23 (2.5')

Date Collected: 06/08/22 10:25

Date Received: 06/09/22 15:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 05:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27571	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 04:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		5			27728	06/18/22 03:35	CH	XEN MID

Client Sample ID: SS-23 (4.5')

Project/Site: Bobbi State WF Unit #3

Date Collected: 06/08/22 10:35 Date Received: 06/09/22 15:09

Client: Crain Environmental

Lab Sample ID: 880-15702-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 05:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27571	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 04:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		20			27728	06/18/22 03:44	CH	XEN MID

Client Sample ID: SS-24 (2.5')

Date Collected: 06/08/22 10:50 Date Received: 06/09/22 15:09

Lab Sample ID: 880-15702-12

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Method Number **Prep Type** Type Run **Factor Amount** Amount or Analyzed **Analyst** Lab Total/NA 5035 27499 06/14/22 11:32 MR XEN MID Prep 4.99 g 5 mL 8021B Total/NA 27512 06/15/22 06:06 MR XEN MID Analysis 5 g 5 mL 1 Total/NA Total BTEX 06/15/22 09:34 SM Analysis 1 27571 XEN MID Total/NA 8015 NM XEN MID Analysis 1 27369 06/13/22 09:04 AJ Total/NA Prep 8015NM Prep 10.01 g 10 mL 27248 06/10/22 08:24 DM XEN MID Total/NA 8015B NM 27332 06/12/22 04:41 AJ XEN MID Analysis 1 Soluble 50 mL 27516 06/14/22 13:37 SC Leach DI Leach 5.05 g XEN MID 300.0 5 06/18/22 04:12 CH Soluble Analysis 27728 **XEN MID**

Client Sample ID: SS-24

Date Collected: 06/08/22 10:55 Date Received: 06/09/22 15:09

Lab Sample ID: 880-15702-13

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 06:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27571	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27248	06/10/22 08:24	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27332	06/12/22 05:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		5			27728	06/18/22 04:22	CH	XEN MID

Client Sample ID: SS-25 (4.5')

Date Collected: 06/08/22 11:05

Date Received: 06/09/22 15:09

Lab Sample IL	D: 880-15702-14
	Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 06:47	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27571	06/15/22 09:34	SM	XEN MID

Lab Chronicle

Client: Crain Environmental Job ID: 880-15702-1 Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Client Sample ID: SS-25 (4.5')

Date Collected: 06/08/22 11:05 Date Received: 06/09/22 15:09

Lab Sample ID: 880-15702-14

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27293	06/10/22 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/11/22 04:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27516	06/14/22 13:37	SC	XEN MID
Soluble	Analysis	300.0		1			27728	06/18/22 04:31	CH	XEN MID

Lab Sample ID: 880-15702-15 Client Sample ID: SS-26 (4.5')

Date Collected: 06/08/22 11:10

Date Received: 06/09/22 15:09

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27499	06/14/22 11:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27512	06/15/22 07:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27571	06/15/22 09:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			27369	06/13/22 09:04	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	27293 27237	06/10/22 11:13 06/11/22 04:32		XEN MID XEN MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		5	4.95 g	50 mL	27516 27728	06/14/22 13:37 06/18/22 04:40		XEN MID XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-15702-1
Project/Site: Bobbi State WF Unit #3 SDG: Lea Co. NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analyte:	s are included in this rend	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for wh
the agency does not	•	ort, but the laboratory is i	iot certified by the governing authority.	This list may include analytes for wil
• ,	•	Matrix	Analyte	This list may include analytes for will
the agency does not o	offer certification.	•		This list may include analytes for wh

Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1

SDG: Lea Co. NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #3

Job ID: 880-15702-1

SDG: Lea Co. NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-15702-1	SS-1 (2.5')	Solid			2.5'
880-15702-2	SS-3 (2.5')	Solid		06/09/22 15:09	
880-15702-3	SS-3 (5')	Solid		06/09/22 15:09	
880-15702-4	SS-4 (2.5')	Solid		06/09/22 15:09	
880-15702-5	SS-5 (5')	Solid		06/09/22 15:09	
880-15702-6	SS-8 (2.5')	Solid		06/09/22 15:09	•
880-15702-7	SS-21 (2.5')	Solid		06/09/22 15:09	
880-15702-8	SS-22 (2.5')	Solid		06/09/22 15:09	
880-15702-9	SS-22 (4.5')	Solid		06/09/22 15:09	
880-15702-10	SS-23 (2.5')	Solid		06/09/22 15:09	
880-15702-10	SS-23 (4.5')	Solid		06/09/22 15:09	
880-15702-11	,	Solid		06/09/22 15:09	
	SS-24 (2.5')				
880-15702-13	SS-24 (4.5')	Solid		06/09/22 15:09	***
880-15702-14	SS-25 (4.5')	Solid		06/09/22 15:09	
880-15702-15	SS-26 (4.5')	Solid	06/08/22 11:10	06/09/22 15:09	4 5'

Address. City, State ZIP:

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Tain

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Company Name: Bill to: (if different)

Eland / Surdown 6400 Dallas Pkwy

Kalph Butler

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7976

City, State ZIP-

Dallas

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Company Name.

Chain of Custody

Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550 Carlsbad NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

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www.xenco.com Page of	Section of the second section is a second				8			
Work Order Comments UST/PST	The state of the s	Contraction of the contraction o	Deliverable	Reporting	State of Pro	Program:		
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			Received by: (Signature	samples and shall not assume ar olled to each project and a charg	samples constitutes a valid purch			/ W 1025	103	1010	10/5	1020	100	9911	1045		6/8/22 1040	trix Date Time Sampled Sampled	Corrected Temperature	Temperature Reading	Correction Factor	Thermometer ID:	Yes No Wet Ice	the lak	TAT sta	Due Date.	X Routine	WILL D
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6	15:00 4	2 20/01	Date/Time Relinquished by: (Signature)	of service. Eurothis Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurothis Xenco, A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions	d Cr Co C	Cd Ca Cr		X	X	X		X		X		X	Ti	Show PH TE.	80	05)	d d		of printers		Pres. Code	ANALYSIS REQUEST
			re) Received by (Signature)	ond the control s previously negotiated.	s and conditions	Se Ag TI U Hg 1631/2451/7470/7471	Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn				880-15702 Chain of Custody							Sam	NaOH+Asc	Zn Acetate	Na ₂ S ₂ O ₃ NaSO ₃	NaHSO 4 NABIS	H ₃ PO ₄ HP	H,50, H,	HCL HC	Conlicon	Non	-
			Date/Time			471	V Zn			***************************************								Sample Comments	NaOH+Ascorbic Acıd SAPC	Zn Acetate+NaOH Zn	JaSO 3	JABIS		NaOH Na	HNO, HN	Manual Ma	DI Water: H ₂ O	Preservative Codes

Work Order No:_

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UNESSA 2925 Company Name Project Manager

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Company Name: Bill to: (if different)

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State of Project: NM

Program.

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Work Order Comments

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Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Xenco

Environment Testing

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15702		X	X	4.5' V V	1110	∀	(4.5.)	55-26
Loc: 880	Lo	X	XX	4.5'			(4.5)	55-25
			XX	4.5'	1055.		4.5)	55.24
			X	2.5'	1050		2.5.)	55-24
			X	4.5' 0 1	1035	5 6/8/22	4.5.)	55,23
Sample Comments				Depth Grab/ # of Comp Cont	Sampled	Matrix Sampled	tification	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH	TE	bla H		Corrected Temperature:	Corrected		Total Containers:
Zn Acetate+NaOH Zn	Zn Aco	<u>\</u>	8		re Reading	NA	res No	Table custody seals.
Na ₂ S ₂ O ₃ NaSO ₃	Na ₂ S ₂			2 1.1	Factor		Yes No	Cooler Custody Seals:
NaHSO , NABIS	NaHSO				ter ID:	No Thermometer ID:	_	Samples Received Intact
	H, PO. HP			No eters) Wet Ice	ank. Yes No	Temp Blank	SAMPLE RECEIPT
. H. NaOH Na	H.SO. H.				the lab, if received by 4:30pm		1,	PO#
2	HCI HC			y received by	TAT starts the day received by	5	Cipy Crain	Sampler's Name:
				6/17/22	Due Date.	NM	Lea Co. 1	Project Location
	None NO		P. V.	Rush Pres.	Routine			Project Number
Preservative Codes		ANALYSIS REQUEST		ound	Turn Around	Bobbi Slade WF Unit #3	Bobbi Stat	Project Name:
Other	rables EDD ADaPT		Crain & gmail. can	Cipply. Cra	Email	1.7244	1(575) 441. 7244	Phone:
T TRRP L Level IV	Reporting Level II Level III PST/UST TRRP Level IV	X /5248 Report	LAHAS	City, state ZIP.		11/10	70177	77
·]		000		itu Stata 71D.			ころんべる	City, State ZIP:

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-15702-1 SDG Number: Lea Co. NM

Login Number: 15702 **List Source: Eurofins Midland**

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-16321-1

Laboratory Sample Delivery Group: Lea Co,NM Client Project/Site: Bobbi State WF Unit #003

Revision: 1

For:

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

MRAMER

Authorized for release by: 7/5/2022 4:48:21 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

..... Links

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Released to Imaging: 9/14/2022 2:27:35 PM

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Laboratory Job ID: 880-16321-1

SDG: Lea Co,NM

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Definitions/Glossary

Client: Crain Environmental Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co,NM

Qualifiers

GC VOA Qualifier

LCS and/or LCSD is outside acceptance limits, low biased.

F1 MS and/or MSD recovery exceeds control limits.

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. S1+ Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery Contains Free Liquid **CFL** CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) Limit of Detection (DoD/DOE) LOD LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDI Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental

Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Job ID: 880-16321-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16321-1

Receipt

The samples were received on 6/27/2022 12:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-28577/3-A). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: SS-29 (2') (880-16321-9). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28577 and analytical batch 880-28522 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 880-16321-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-16321-2

Receipt

The samples were received on 6/27/2022 12:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.1°C

GC VOA

Method 8021B: Both ethylbenzene and m,p xylene were biased low in the LCSD, since the analyte only requires an LCS or LCSD, the data was qualified and reported.(LCSD 880-28857/2-A)

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28857 and analytical batch 880-28966 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Midland 7/5/2022 (Rev. 1) Job ID: 880-16321-1

Client: Crain Environmental Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Client Sample ID: SS-1 (2.5') Lab Sample ID: 880-16321-1 Date Collected: 06/24/22 09:30 **Matrix: Solid**

Date Received: 06/27/22 12:55

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result Q	ualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	664	4.99		mg/Kg			07/03/22 08:04	1	

Client Sample ID: SS-2 (6') Lab Sample ID: 880-16321-2 Matrix: Solid

Date Collected: 06/24/22 09:45 Date Received: 06/27/22 12:55

Sample Depth: 6'

Method: 8015 NM - Diesel Ran									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			06/29/22 11:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		06/28/22 16:43	06/29/22 00:03	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 00:03	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 00:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				06/28/22 16:43	06/29/22 00:03	1
o-Terphenyl	105		70 - 130				06/28/22 16:43	06/29/22 00:03	1

Client Sample ID: SS-8 (2.5') Lab Sample ID: 880-16321-3 Matrix: Solid

Date Collected: 06/24/22 09:55 Date Received: 06/27/22 12:55

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1280		5.04		mg/Kg			07/03/22 08:12	1

Lab Sample ID: 880-16321-4 Client Sample ID: SS-21 (2.5') Date Collected: 06/24/22 10:00 **Matrix: Solid**

Date Received: 06/27/22 12:55

Sample Depth: 2'5

Method: 300.0 - Anions, Ion Chromatography - Soluble											
	Analyte	Result	Qualifier	RL	MDL	Unit	D		Prepared	Analyzed	Dil Fac
	Chloride	207		4.98		mg/Kg				06/30/22 10:48	1

Client Sample ID: SS-23 (2.5') Lab Sample ID: 880-16321-5 **Matrix: Solid**

Date Collected: 06/24/22 10:10 Date Received: 06/27/22 12:55

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion C	ble								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	695		25.3		mg/Kg			07/03/22 08:20	5

Project/Site: Bobbi State WF Unit #003

Lab Sample ID: 880-16321-6

Matrix: Solid

Job ID: 880-16321-1

SDG: Lea Co,NM

Client Sample ID: SS-27 (2') Date Collected: 06/24/22 10:15 Date Received: 06/27/22 12:55

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
Ethylbenzene	<0.00198	U *-	0.00198		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
m-Xylene & p-Xylene	< 0.00397	U *-	0.00397		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		07/01/22 12:30	07/05/22 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				07/01/22 12:30	07/05/22 00:55	1
1,4-Difluorobenzene (Surr)	100		70 - 130				07/01/22 12:30	07/05/22 00:55	1
Method: Total BTEX - Total B1	ΓEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			07/05/22 15:13	1
Method: 8015 NM - Diesel Rar	nge Organic	s (DRO) (0	SC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			06/29/22 11:12	1
Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/29/22 01:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/29/22 01:06	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/29/22 01:06	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	117		70 - 130				06/28/22 16:43	06/29/22 01:06	
1-Onioroociane	,,,		70-700				00,20,22 10.10	00/20/22 01.00	

Chloride 1370 Client Sample ID: SS-28 (2')

Method: 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Date Collected: 06/24/22 10:20 Date Received: 06/27/22 12:55

Sample Depth: 2'

Analyte

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
Toluene	< 0.00199	U	0.00199		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
Ethylbenzene	<0.00199	U *-	0.00199		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
m-Xylene & p-Xylene	<0.00398	U *-	0.00398		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		07/01/22 12:30	07/05/22 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				07/01/22 12:30	07/05/22 01:15	1

RL

5.05

MDL Unit

mg/Kg

D

Prepared

Analyzed

06/30/22 11:45

Lab Sample ID: 880-16321-7

Dil Fac

Matrix: Solid

Eurofins Midland

7/5/2022 (Rev. 1)

Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Client Sample ID: SS-28 (2') Lab Sample ID: 880-16321-7 Date Collected: 06/24/22 10:20

Matrix: Solid

Date Received: 06/27/22 12:55 Sample Depth: 2'

Surrogate	%Recovery Qι	ualifier	Limits	Prepared Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	92		70 - 130	07/01/22 12:30 07/05/22 01:15	

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			07/05/22 15:13	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	326		50.0		mg/Kg			07/05/22 11:27	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 19:36	1
Diesel Range Organics (Over C10-C28)	326		50.0		mg/Kg		07/01/22 08:22	07/02/22 19:36	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		07/01/22 08:22	07/02/22 19:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105	70 - 130	07/01/22 08:22	07/02/22 19:36	1
o-Terphenyl	109	70 - 130	07/01/22 08:22	07/02/22 19:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	663	4.97	mg/Kg			06/30/22 11:53	1

Client Sample ID: SS-23 (4.5')

Date Collected: 06/24/22 10:25 Date Received: 06/27/22 12:55

Sample Depth: 4.5'

Mothod: 200	Anione	Ion Chro	matagraphy	Salubla

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	638	4.98	mg/Kg			06/30/22 12:01	1

Client Sample ID: SS-29 (2')

Date Collected: 06/24/22 10:30

Date Received: 06/27/22 12:55

Sample Depth: 2'

Mothod: 2015 NM	- Dincol Pango	Organics (DRO) (GC)

mountain Di	oooi italigo oi gaillo	~ (~ ~) (,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49.9		ma/Ka			06/29/22 11:12	1	

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

method: 00 lob lim - bleser ital	ige Oiguii	ics (Bitc)	,00,							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 01:28	1	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 01:28	1	
C10-C28)										
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/28/22 16:43	06/29/22 01:28	1	

Eurofins Midland

Lab Sample ID: 880-16321-8

Lab Sample ID: 880-16321-9

Matrix: Solid

Matrix: Solid

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1

Lab Sample ID: 880-16321-9

Lab Sample ID: 880-16321-10

06/28/22 16:43 06/29/22 01:49

SDG: Lea Co,NM

Matrix: Solid

Matrix: Solid

Client Sample ID: SS-29 (2')

Date Collected: 06/24/22 10:30

Date Received: 06/27/22 12:55

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	132	S1+	70 - 130	06/28/22 16:43	06/29/22 01:28	1
o-Terphenyl	115		70 - 130	06/28/22 16:43	06/29/22 01:28	1

Client Sample ID: SS-30 (2')

Date Collected: 06/24/22 10:32

Oll Range Organics (Over C28-C36)

Date Received: 06/27/22 12:55

Sample Depth: 2'

Method: 8015 NM - Diesei Ra	nge Organic	:S (DRO) (GC	(رَ						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			06/29/22 11:12	1
Method: 8015B NM - Diesel F	Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		06/28/22 16:43	06/29/22 01:49	1
Diesel Range Organics (Over	<49.8	U	49.8		mg/Kg		06/28/22 16:43	06/29/22 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	06/28/22 16:43	06/29/22 01:49	1
o-Terphenyl	113		70 - 130	06/28/22 16:43	06/29/22 01:49	1

49.8

mg/Kg

<49.8 U

Method: 300.0 - Anions, Ion C	hromatography - Solubl	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1380	4.96	mg/Kg			06/30/22 12:08	1

Surrogate Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1

SDG: Lea Co,NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Perc	ent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-16321-6	SS-27 (2')	116	100	
880-16321-7	SS-28 (2')	119	92	
880-16535-A-1-D MS	Matrix Spike	106	98	
880-16535-A-1-E MSD	Matrix Spike Duplicate	110	104	
LCS 880-28857/1-A	Lab Control Sample	116	101	
LCSD 880-28857/2-A	Lab Control Sample Dup	106	103	
MB 880-28777/5-A	Method Blank	100	94	
MB 880-28857/5-A	Method Blank	100	98	

BFB = 4-Bromofluorobenzene (Surr) DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

			Percent S	Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-16321-2	SS-2 (6')	116	105	
880-16321-2 MS	SS-2 (6')	128	103	
880-16321-2 MSD	SS-2 (6')	127	102	
880-16321-6	SS-27 (2')	117	104	
880-16321-7	SS-28 (2')	105	109	
880-16321-9	SS-29 (2')	132 S1+	115	
880-16321-10	SS-30 (2')	128	113	
880-16373-A-38-E MS	Matrix Spike	90	82	
880-16373-A-38-F MSD	Matrix Spike Duplicate	90	87	
LCS 880-28577/2-A	Lab Control Sample	122	105	
LCS 880-28805/2-A	Lab Control Sample	103	96	
LCSD 880-28577/3-A	Lab Control Sample Dup	131 S1+	112	
LCSD 880-28805/3-A	Lab Control Sample Dup	107	105	
MB 880-28577/1-A	Method Blank	128	116	
MB 880-28805/1-A	Method Blank	114	114	

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Eurofins Midland

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irotins Midiand

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1 SDG: Lea Co,NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28777/5-A

Matrix: Solid

Analysis Batch: 28966

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28777

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/22 11:00	07/04/22 05:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/22 11:00	07/04/22 05:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/22 11:00	07/04/22 05:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/22 11:00	07/04/22 05:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/22 11:00	07/04/22 05:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/22 11:00	07/04/22 05:11	1

MB MB

MB MB

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

07/01/22 11:00 07/04/22 05:11 07/01/22 11:00 07/04/22 05:11

Prepared

Lab Sample ID: MB 880-28857/5-A

Matrix: Solid

Analysis Batch: 28966

Client Sample ID: Method Blank Prep Type: Total/NA

Analyzed

Prep Batch: 28857

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		07/01/22 12:30	07/04/22 16:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		07/01/22 12:30	07/04/22 16:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		07/01/22 12:30	07/04/22 16:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		07/01/22 12:30	07/04/22 16:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		07/01/22 12:30	07/04/22 16:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		07/01/22 12:30	07/04/22 16:47	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	07/01/22 12:30 07/04/22 16:47	1
1,4-Difluorobenzene (Surr)	98		70 - 130	07/01/22 12:30 07/04/22 16:47	1

Lab Sample ID: LCS 880-28857/1-A

Matrix: Solid

Analysis Batch: 28966

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 28857

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08405		mg/Kg		84	70 - 130	
Toluene	0.100	0.09163		mg/Kg		92	70 - 130	
Ethylbenzene	0.100	0.07863		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	0.200	0.1617		mg/Kg		81	70 - 130	
o-Xylene	0.100	0.09538		mg/Kg		95	70 - 130	

LCS LCS

Surrogate	%Recovery Quality	fier Limits
4-Bromofluorobenzene (Surr)	116	70 - 130
1.4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: LCSD 880-28857/2-A

Matrix: Solid

Analyte Benzene

Analysis Batch: 28966

						Prep Ty	pe: Tot	al/NA			
						Prep Batch: 2885					
Spike	LCSD	LCSD				%Rec		RPD			
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
0.100	0.08146		mg/Kg		81	70 - 130	3	35			

Eurofins Midland

Dil Fac

QC Sample Results

Client: Crain Environmental Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-28857/2-A

Matrix: Solid

Analysis Batch: 28966

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 28857

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Toluene 0.100 0.07962 mg/Kg 80 70 - 130 14 35 Ethylbenzene 0.100 0.06801 *mg/Kg 68 70 - 130 14 35 0.200 0.1379 *-69 70 - 130 35 m-Xylene & p-Xylene mg/Kg 16 0.100 35 o-Xylene 0.08209 mg/Kg 82 70 - 130 15

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-16535-A-1-D MS **Client Sample ID: Matrix Spike**

Matrix: Solid

Analysis Batch: 28966

Prep Type: Total/NA

Prep Batch: 28857

Sample Sample Spike MS MS %Rec Result Qualifier Analyte Added Result Qualifier D %Rec Limits Unit Benzene <0.00200 U 0.0998 0.08232 82 70 - 130 mg/Kg Toluene <0.00200 U 0.0998 0.08777 mg/Kg 88 70 - 130 Ethylbenzene <0.00200 U *-0.0998 0.07257 mg/Kg 73 70 - 130 m-Xylene & p-Xylene <0.00401 U*-F1 0.200 73 0.1461 mg/Kg 70 - 130 o-Xylene <0.00200 U 0.0998 0.08421 mg/Kg 84 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	106	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: 880-16535-A-1-E MSD

Matrix: Solid

Analysis Batch: 28966

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 28857

7 many one Datem 20000											
_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.0990	0.08757		mg/Kg		88	70 - 130	6	35
Toluene	<0.00200	U	0.0990	0.08541		mg/Kg		86	70 - 130	3	35
Ethylbenzene	<0.00200	U *-	0.0990	0.07104		mg/Kg		72	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U *- F1	0.198	0.1356	F1	mg/Kg		68	70 - 130	8	35
o-Xylene	<0.00200	U	0.0990	0.08175		mg/Kg		83	70 - 130	3	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-28577/1-A

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 28577

MB MB Result Qualifier RL MDL Unit Prepared Analyzed Gasoline Range Organics <50.0 U 50.0 mg/Kg 06/28/22 16:43 06/28/22 22:59

(GRO)-C6-C10

Analyte

Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-28577/1-A

Analysis Batch: 28522

Matrix: Solid

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 28577

MB MB

Α	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
D	iesel Range Organics (Over	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/28/22 22:59	1
	10-C28)									
0	II Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/28/22 16:43	06/28/22 22:59	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	06/28/22 16:43	06/28/22 22:59	1
o-Terphenyl	116		70 - 130	06/28/22 16:43	06/28/22 22:59	1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 880-28577/2-A **Matrix: Solid**

Analysis Batch: 28522

Prep Type: Total/NA Prep Batch: 28577

LCS LCS Spike %Rec Analyte Added Result Qualifier Limits Unit D %Rec Gasoline Range Organics 1000 1006 70 - 130 mg/Kg 101 (GRO)-C6-C10 1000 Diesel Range Organics (Over 1017 mg/Kg 102 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	122		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: LCSD 880-28577/3-A Client Sample ID: Lab Control Sample Dup

LCSD LCSD

Matrix: Solid

Analysis Batch: 28522

Prep Type: Total/NA Prep Batch: 28577

%Rec

	Opine	LOOD	LOOD				/or tec		וגו ט	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	1091		mg/Kg		109	70 - 130	8	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	1083		mg/Kg		108	70 - 130	6	20	
C10-C28)										

Snika

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: 880-16321-2 MS

Matrix: Solid

Analysis Batch: 28522

Client Sample ID: SS-2 (6') Prep Type: Total/NA

Prep Batch: 28577

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	996	1642	F1	mg/Kg		165	70 - 130	
Diesel Range Organics (Over	<49.9	U	996	1290		mg/Kg		129	70 - 130	

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: Crain Environmental Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 880-16321-2 MSD Client Sample ID: SS-2 (6')

Matrix: Solid

Prep Type: Total/NA **Analysis Batch: 28522**

Prep Batch: 28577

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Analyte <49.9 UF1 Gasoline Range Organics 996 1625 F1 mg/Kg 163 70 - 130 20 (GRO)-C6-C10 996 Diesel Range Organics (Over 1283 mg/Kg 129 70 - 130 <49.9 U 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: MB 880-28805/1-A

Matrix: Solid

Analysis Batch: 28916

MB MB

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 28805

MDL Unit Analyte Result Qualifier RL **Prepared** Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 07/01/22 08:22 07/02/22 10:34 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 07/01/22 08:22 07/02/22 10:34 <50.0 U 50.0 mg/Kg C10-C28) OII Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 07/01/22 08:22 07/02/22 10:34

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114	70 - 130	07/01/22 08:22	07/02/22 10:34	1
o-Terphenyl	114	70 - 130	07/01/22 08:22	07/02/22 10:34	1

Lab Sample ID: LCS 880-28805/2-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 28805

Spike LCS LCS %Rec Added Analyte Result Qualifier Limits Unit %Rec Gasoline Range Organics 1000 70 - 130 852.2 mg/Kg 85 (GRO)-C6-C10 Diesel Range Organics (Over 1000 968.8 mg/Kg 97 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	103	70 - 130
o-Terphenyl	96	70 - 130

Lab Sample ID: LCSD 880-28805/3-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID	: Lab Control Sample Dup
	Prop Type: Total/NA

Prep Type: Total/NA Prep Batch: 28805

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	965.3		mg/Kg		97	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130	7	20

Client: Crain Environmental Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-28805/3-A

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Lab Control Sample Dup

79

70

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 28805

LCSD LCSD

<49.9 U

<49.9 U

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 107 70 - 130 o-Terphenyl 105 70 - 130

Lab Sample ID: 880-16373-A-38-E MS **Client Sample ID: Matrix Spike Prep Type: Total/NA**

Gasoline Range Organics

Matrix: Solid

Analysis Batch: 28916							Prep Batch: 2880
	Sample Sample	Spike	MS MS				%Rec
Analyte	Result Qualifier	Added	Result Qualifier	Unit	D	%Rec	Limits

790.0

708.5

mg/Kg

mg/Kg

996

996

(GRO)-C6-C10 Diesel Range Organics (Over

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 90 70 - 130 70 - 130 o-Terphenyl 82

Lab Sample ID: 880-16373-A-38-F MSD

Matrix: Solid

Analysis Batch: 28916

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Prep Batch: 28805

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec <49.9 U 70 - 130 Gasoline Range Organics 996 808.4 mg/Kg 81 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 996 <49.9 U 736.3 mg/Kg 72 70 - 130 20

C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 90

o-Terphenyl 87 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28511/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28667

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg				06/30/22 09:51	1

Lab Sample ID: LCS 880-28511/2-A

Matrix: Solid

Analysis Batch: 28667

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 ·	250	257.6		mg/Kg		103	90 - 110	

Eurofins Midland

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Client: Crain Environmental Job ID: 880-16321-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-28511/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28667

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	259.1		mg/Kg		104	90 - 110	1	20

Lab Sample ID: 880-16321-A-1-B MS Client Sample ID: 880-16321-A-1-B MS **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28667

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Unit D %Rec Limits Analyte 250 Chloride 698 931.7 mg/Kg 93 90 - 110

Lab Sample ID: 880-16321-A-1-C MSD Client Sample ID: 880-16321-A-1-C MSD

Matrix: Solid

Analysis Batch: 28667

Spike MSD MSD %Rec **RPD** Sample Sample Result Qualifier Added Result Qualifier Limits **RPD** Analyte Unit %Rec Limit Chloride 698 250 939.6 97 90 - 110 mg/Kg

Lab Sample ID: MB 880-28830/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28944

MB MB

Analyte Result Qualifier RL MDL Unit Analyzed Dil Fac Prepared <5.00 U 5.00 07/03/22 04:48 Chloride mg/Kg

Lab Sample ID: LCS 880-28830/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28944

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 264.2 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-28830/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28944

Spike LCSD LCSD %Rec Added **RPD** Limit Analyte Result Qualifier Unit D %Rec Limits 250 Chloride 263.4 mg/Kg 105 90 - 110

Lab Sample ID: 880-16500-A-5-C MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 28944

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 114 F1 249 430.3 F1 Chloride mg/Kg 127 90 - 110

Lab Sample ID: 880-16500-A-5-D MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 28944

Released to Imaging: 9/14/2022 2:27:35 PM

Spike MSD MSD %Rec **RPD** Sample Sample RPD Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Limit 432.3 F1 Chloride 114 F1 249 mg/Kg 128 90 - 110 20

Eurofins Midland

Prep Type: Soluble

RPD

Prep Type: Soluble

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1 SDG: Lea Co,NM

GC VOA

Prep Batch: 28777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28777/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 28857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-6	SS-27 (2')	Total/NA	Solid	5035	
880-16321-7	SS-28 (2')	Total/NA	Solid	5035	
MB 880-28857/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28857/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28857/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16535-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-16535-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-6	SS-27 (2')	Total/NA	Solid	8021B	28857
880-16321-7	SS-28 (2')	Total/NA	Solid	8021B	28857
MB 880-28777/5-A	Method Blank	Total/NA	Solid	8021B	28777
MB 880-28857/5-A	Method Blank	Total/NA	Solid	8021B	28857
LCS 880-28857/1-A	Lab Control Sample	Total/NA	Solid	8021B	28857
LCSD 880-28857/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28857
880-16535-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	28857
880-16535-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28857

Analysis Batch: 29071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-6	SS-27 (2')	Total/NA	Solid	Total BTEX	
880-16321-7	SS-28 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-2	SS-2 (6')	Total/NA	Solid	8015B NM	28577
880-16321-6	SS-27 (2')	Total/NA	Solid	8015B NM	28577
880-16321-9	SS-29 (2')	Total/NA	Solid	8015B NM	28577
880-16321-10	SS-30 (2')	Total/NA	Solid	8015B NM	28577
MB 880-28577/1-A	Method Blank	Total/NA	Solid	8015B NM	28577
LCS 880-28577/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28577
LCSD 880-28577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28577
880-16321-2 MS	SS-2 (6')	Total/NA	Solid	8015B NM	28577
880-16321-2 MSD	SS-2 (6')	Total/NA	Solid	8015B NM	28577

Prep Batch: 28577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-2	SS-2 (6')	Total/NA	Solid	8015NM Prep	
880-16321-6	SS-27 (2')	Total/NA	Solid	8015NM Prep	
880-16321-9	SS-29 (2')	Total/NA	Solid	8015NM Prep	
880-16321-10	SS-30 (2')	Total/NA	Solid	8015NM Prep	
MB 880-28577/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28577/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28577/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1 SDG: Lea Co,NM

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GC Semi VOA (Continued)

Prep Batch: 28577 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-2 MS	SS-2 (6')	Total/NA	Solid	8015NM Prep	
880-16321-2 MSD	SS-2 (6')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-2	SS-2 (6')	Total/NA	Solid	8015 NM	
880-16321-6	SS-27 (2')	Total/NA	Solid	8015 NM	
880-16321-9	SS-29 (2')	Total/NA	Solid	8015 NM	
880-16321-10	SS-30 (2')	Total/NA	Solid	8015 NM	

Prep Batch: 28805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-7	SS-28 (2')	Total/NA	Solid	8015NM Prep	
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16373-A-38-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16373-A-38-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-7	SS-28 (2')	Total/NA	Solid	8015B NM	28805
MB 880-28805/1-A	Method Blank	Total/NA	Solid	8015B NM	28805
LCS 880-28805/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28805
LCSD 880-28805/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28805
880-16373-A-38-E MS	Matrix Spike	Total/NA	Solid	8015B NM	28805
880-16373-A-38-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28805

Analysis Batch: 29021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-7	SS-28 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-4	SS-21 (2.5')	Soluble	Solid	DI Leach	_
880-16321-6	SS-27 (2')	Soluble	Solid	DI Leach	
880-16321-7	SS-28 (2')	Soluble	Solid	DI Leach	
880-16321-8	SS-23 (4.5')	Soluble	Solid	DI Leach	
880-16321-10	SS-30 (2')	Soluble	Solid	DI Leach	
MB 880-28511/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28511/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28511/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16321-A-1-B MS	880-16321-A-1-B MS	Soluble	Solid	DI Leach	
880-16321-A-1-C MSD	880-16321-A-1-C MSD	Soluble	Solid	DI Leach	

Analysis Batch: 28667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-4	SS-21 (2.5')	Soluble	Solid	300.0	28511
880-16321-6	SS-27 (2')	Soluble	Solid	300.0	28511

Eurofins Midland

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1 SDG: Lea Co,NM

HPLC/IC (Continued)

Analysis Batch: 28667 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-7	SS-28 (2')	Soluble	Solid	300.0	28511
880-16321-8	SS-23 (4.5')	Soluble	Solid	300.0	28511
880-16321-10	SS-30 (2')	Soluble	Solid	300.0	28511
MB 880-28511/1-A	Method Blank	Soluble	Solid	300.0	28511
LCS 880-28511/2-A	Lab Control Sample	Soluble	Solid	300.0	28511
LCSD 880-28511/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28511
880-16321-A-1-B MS	880-16321-A-1-B MS	Soluble	Solid	300.0	28511
880-16321-A-1-C MSD	880-16321-A-1-C MSD	Soluble	Solid	300.0	28511

Leach Batch: 28830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-1	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-16321-3	SS-8 (2.5')	Soluble	Solid	DI Leach	
880-16321-5	SS-23 (2.5')	Soluble	Solid	DI Leach	
MB 880-28830/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28830/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28830/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16500-A-5-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-16500-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 28944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16321-1	SS-1 (2.5')	Soluble	Solid	300.0	28830
880-16321-3	SS-8 (2.5')	Soluble	Solid	300.0	28830
880-16321-5	SS-23 (2.5')	Soluble	Solid	300.0	28830
MB 880-28830/1-A	Method Blank	Soluble	Solid	300.0	28830
LCS 880-28830/2-A	Lab Control Sample	Soluble	Solid	300.0	28830
LCSD 880-28830/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28830
880-16500-A-5-C MS	Matrix Spike	Soluble	Solid	300.0	28830
880-16500-A-5-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	28830

Project/Site: Bobbi State WF Unit #003

Lab Sample ID: 880-16321-1

Matrix: Solid

Client Sample ID: SS-1 (2.5') Date Collected: 06/24/22 09:30

Date Received: 06/27/22 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	28830	07/01/22 10:31	SMC	XEN MID
Soluble	Analysis	300.0		1			28944	07/03/22 08:04	CH	XEN MID

Lab Sample ID: 880-16321-2

Matrix: Solid

Date Collected: 06/24/22 09:45 Date Received: 06/27/22 12:55

Client Sample ID: SS-2 (6')

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28636	06/29/22 11:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28577	06/28/22 16:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28522	06/29/22 00:03	SM	XEN MID

Lab Sample ID: 880-16321-3

Matrix: Solid

Client Sample ID: SS-8 (2.5') Date Collected: 06/24/22 09:55 Date Received: 06/27/22 12:55

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run **Factor** Analyst Lab Soluble Leach DI Leach 4.96 g 50 mL 28830 07/01/22 10:31 SMC XEN MID Soluble Analysis 300.0 1 28944 07/03/22 08:12 CH XEN MID

Client Sample ID: SS-21 (2.5') Lab Sample ID: 880-16321-4

Matrix: Solid

Date Collected: 06/24/22 10:00 Date Received: 06/27/22 12:55

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	28511	06/28/22 10:07	SMC	XEN MID
Soluble	Analysis	300.0		1			28667	06/30/22 10:48	CH	XEN MID

Client Sample ID: SS-23 (2.5') Lab Sample ID: 880-16321-5

Date Collected: 06/24/22 10:10 **Matrix: Solid** Date Received: 06/27/22 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach	·		4.95 g	50 mL	28830	07/01/22 10:31	SMC	XEN MID
Soluble	Analysis	300.0		5			28944	07/03/22 08:20	CH	XEN MID

Lab Sample ID: 880-16321-6 Client Sample ID: SS-27 (2')

Date Collected: 06/24/22 10:15 Matrix: Solid Date Received: 06/27/22 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28857	07/01/22 12:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28966	07/05/22 00:55	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29071	07/05/22 15:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28636	06/29/22 11:12	SM	XEN MID

Client Sample ID: SS-27 (2')

Date Collected: 06/24/22 10:15

Date Received: 06/27/22 12:55

Lab Sample ID: 880-16321-6

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28577	06/28/22 16:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28522	06/29/22 01:06	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28511	06/28/22 10:07	SMC	XEN MID
Soluble	Analysis	300.0		1			28667	06/30/22 11:45	CH	XEN MID

Lab Sample ID: 880-16321-7 Client Sample ID: SS-28 (2') Date Collected: 06/24/22 10:20 **Matrix: Solid**

Date Received: 06/27/22 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	28857	07/01/22 12:30	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28966	07/05/22 01:15	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29071	07/05/22 15:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			29021	07/05/22 11:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28805	07/01/22 08:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28916	07/02/22 19:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28511	06/28/22 10:07	SMC	XEN MID
Soluble	Analysis	300.0		1			28667	06/30/22 11:53	CH	XEN MID

Client Sample ID: SS-23 (4.5') Lab Sample ID: 880-16321-8

Date Collected: 06/24/22 10:25 Date Received: 06/27/22 12:55

Duna Toma	Batch	Batch	Design	Dil	Initial	Final	Batch	Prepared	Amalust	Lab
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	28511	06/28/22 10:07	SMC	XEN MID
Soluble	Analysis	300.0		1			28667	06/30/22 12:01	CH	XEN MID

Client Sample ID: SS-29 (2') Lab Sample ID: 880-16321-9 **Matrix: Solid**

Date Collected: 06/24/22 10:30 Date Received: 06/27/22 12:55

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28636	06/29/22 11:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28577	06/28/22 16:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28522	06/29/22 01:28	SM	XEN MID

Lab Sample ID: 880-16321-10 Client Sample ID: SS-30 (2') Date Collected: 06/24/22 10:32 Matrix: Solid

Date Received: 06/27/22 12:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28636	06/29/22 11:12	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	28577	06/28/22 16:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28522	06/29/22 01:49	SM	XEN MID

Lab Chronicle

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1 SDG: Lea Co,NM

Lab Sample ID: 880-16321-10

Matrix: Solid

Client Sample ID: SS-30 (2') Date Collected: 06/24/22 10:32

Date Received: 06/27/22 12:55

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	28511	06/28/22 10:07	SMC	XEN MID
Soluble	Analysis	300.0		1			28667	06/30/22 12:08	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Job ID: 880-16321-1 Client: Crain Environmental Project/Site: Bobbi State WF Unit #003 SDG: Lea Co,NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-23	06-30-23
The following analyte	s are included in this repo	ort but the laboratory is r	not certified by the governing authority.	This list may include analytes for w
the agency does not	•	, 24: 1	not defined by the governing additionty.	This list may include analytes for w
,	•	Matrix	Analyte	This list may include analytes for w
the agency does not o	offer certification.	•	, , ,	This list may include analytes for w

Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1

SDG: Lea Co,NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-16321-1

SDG: Lea Co,NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-16321-1	SS-1 (2.5')	Solid	06/24/22 09:30	06/27/22 12:55	2.5'
880-16321-2	SS-2 (6')	Solid	06/24/22 09:45	06/27/22 12:55	6'
880-16321-3	SS-8 (2.5')	Solid	06/24/22 09:55	06/27/22 12:55	2.5'
880-16321-4	SS-21 (2.5')	Solid	06/24/22 10:00	06/27/22 12:55	2'5
880-16321-5	SS-23 (2.5')	Solid	06/24/22 10:10	06/27/22 12:55	2.5'
880-16321-6	SS-27 (2')	Solid	06/24/22 10:15	06/27/22 12:55	2'
880-16321-7	SS-28 (2')	Solid	06/24/22 10:20	06/27/22 12:55	2'
880-16321-8	SS-23 (4.5')	Solid	06/24/22 10:25	06/27/22 12:55	4.5'
880-16321-9	SS-29 (2')	Solid	06/24/22 10:30	06/27/22 12:55	2'
880-16321-10	SS-30 (2')	Solid	06/24/22 10:32	06/27/22 12:55	2'

Circle Method(s) and Metal(s) to be analyzed

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55-30 55-29

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM

Texas

Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb

Mg Š

Mo Ni K Se Ag SiO₂ Na Sr Tl Sn U V Zn

Ηg

Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

TCLP / SPLP 6010

8RCRA

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1030 1025

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880-16321

Chain of Custody

55-2

55-1

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Sample Identification

Matrix

Date Sampled

Time Sampled

Depth

Comp

#of Cont

Grab/

TPH 8015M

BTEX Chlorides

corrected Temperature:

1747

0930

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8-55

SAMPLE RECEIPT

Temp Blank: No See

> Yes 0

> > Wet Ice:

No No

Parameters

mples Received Intact;

ample Custody Seals: ooler Custody Seals:

Ύes

No NA

Yes No MA

Thermometer ID: Correction Factor Temperature Reading

sampler's Name:

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TAT starts the day received by the lab, if received by 4:30pm

HCL. HC Cool Cool

МеОН Ме HNO 3 HN

None NO

DI Water: H₂O

H₂SO₄. H₂

NaOH Na

H₃PO₄ HP

NaHSO 4 NABIS

Zn Acetate+NaOH Zn Na₂S₂O₃ NaSO₃

NaOH+Ascorbic Acid SAPC

Sample Comments

oject Location. oject Number

ea Co.

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Due Date Routine

7/1/22

Pres.

City, State ZIP

oject Name:

ddress: ompany Name: roject Manager

? Curofins

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Chain of Custody

None NO DIWING		Routine ARush Pres.	1
ST Preservative Codes	ANALYSIS REQUEST	Turn Around	Bobb, State NF Unit #003
Deliverables. EDD ☐ ADaPT ☐ Other	le amail. con	Email Ciraly crain & amail. con	(575)441-7244
Reporting Level III Level III PST/UST TRRP Level IV	Dallas 7x 75248	City, State ZIP:	Chessa TX 79761
State of Project: NM	16 you Dallos Phys Ste 100	Address.	2925 C. 174 St.
Program: UST/PST PRP Brownfields RRC Superfund	Elard) Sundown	Company Name:	Cain Covironmental
Work Order Comments	Kalph Butles	Bill to: (if different)	Lindy Crain
www.xenco.com Page / of /			7 . 7 .
•	Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199	Hobbs, NM (57	
	EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296	EL Paso, TX (91	
Work Order No:	Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334		
	110d3(01), 1 \(\lambda \) 240-4200, Dalld5, 1 \(\lambda \) (214) 902-0300		

00-3133	www.xenco.com Page / of /
	Work Order Comments
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
14. Ste 100	State of Project: WW
248	Reporting Level II Level III PST/UST TRRP Level IV
	Deliverables. EDD ☐ ADaPT ☐ Other-

ice: Signature of this document and relinquishmy ervice. Eurofins Xenco will be liable only for the eurofins Xenco. A minimum charge of \$85.00 will	tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control such as the such control service. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	any to Eurofins Xenco, its affiliates and so rexpenses incurred by the client if mitted to Eurofins Xenco, but not analy	subcontractors. It assigns standard terms and condition to the same contracts beyond the contracts beyond the contracts beyond the contracts of the same same same same same same same sam	ons rol eoptiated	
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				92	Baylead Data: 00/75/2020 Baylead 2020 2

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7/5/2022 (Rev. 1)

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-16321-1 SDG Number: Lea Co,NM

Login Number: 16321 List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-17690-1

Laboratory Sample Delivery Group: Lea Co., NM Client Project/Site: Bobbi State WF Unit #003

For:

eurofins 🔅

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

JURAMER

Authorized for release by: 8/15/2022 3:08:08 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

Review your project results through

.....LINKS

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 9/14/2022 2:27:35 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Crain Environmental Laboratory Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

NC

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

	-
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)

LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

ND	Not Detected at the reporting limit (or MDL or EDL if shown)

NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive

QC	Quality Control
RFR	Relative Error Ratio (Radiochemistry)

Not Calculated

RL	Reporting Limit or Requested Limit (F	Radiochemistry)

RPD	Relative Percent Difference, a measure of the relative difference between two points

TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

Co., NM

Job ID: 880-17690-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17690-1

Receipt

The samples were received on 8/3/2022 2:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-2706-A-1-A), (890-2706-A-1-B MS) and (890-2706-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS-30 (2') (880-17690-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-31555 and analytical batch 880-31531 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-31561 and analytical batch 880-32162 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Date Collected: 08/02/22 12:10

Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-1

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-17690-4

Lab Sample ID: 880-17690-5

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	101		5.00		mg/Kg			08/15/22 10:53	1

Client Sample ID: SS-23 (2.5') Lab Sample ID: 880-17690-2 Matrix: Solid

Date Collected: 08/02/22 12:15 Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 4.97 126 08/15/22 11:21 mg/Kg Chloride

Client Sample ID: SS-8 (2.5') Lab Sample ID: 880-17690-3

Date Collected: 08/02/22 12:20 Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chromatography - Soluble Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed 4.96 08/15/22 11:30 Chloride 119 mg/Kg

Client Sample ID: SS-27 (2')

Date Collected: 08/02/22 12:25 Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 08/15/22 11:39 Chloride 141 5.02 mg/Kg

Client Sample ID: SS-28 (2')

Date Collected: 08/02/22 12:30

Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 300.0 - Anions, Ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	111	4.99	mg/Kg			08/15/22 11:48	1

Client Sample ID: SS-30 (2') Lab Sample ID: 880-17690-6

Date Collected: 08/02/22 12:35

Date Received: 08/03/22 14:59

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Xylenes, Total	< 0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1

Client Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

Lab Sample ID: 880-17690-6

Matrix: Solid

Client Sample ID: SS-30 (2') Date Collected: 08/02/22 12:35

Date Received: 08/03/22 14:59

Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/08/22 13:23	08/10/22 15:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/08/22 13:23	08/10/22 15:09	1
Method: Total BTEX - Total BTE)	Calculation								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/22 10:28	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			08/08/22 11:58	1
Method: 8015B NM - Diesel Rang	ne Organics (D	PO) (GC)							
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.9	MDL	Unit mg/Kg	<u>D</u>	Prepared 08/05/22 09:50	Analyzed 08/06/22 01:30	Dil Fac
Analyte Gasoline Range Organics	Result	Qualifier U		MDL		<u>D</u>			Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u>D</u>	08/05/22 09:50	08/06/22 01:30	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9	Qualifier U	49.9	MDL	mg/Kg	<u> </u>	08/05/22 09:50 08/05/22 09:50	08/06/22 01:30 08/06/22 01:30	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U	49.9 49.9 49.9	MDL	mg/Kg	<u>D</u>	08/05/22 09:50 08/05/22 09:50 08/05/22 09:50	08/06/22 01:30 08/06/22 01:30 08/06/22 01:30	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result <49.9 <49.9 <49.9 <49.9 %Recovery	Qualifier U U Qualifier	49.9 49.9 49.9 Limits	MDL	mg/Kg	<u> </u>	08/05/22 09:50 08/05/22 09:50 08/05/22 09:50 Prepared	08/06/22 01:30 08/06/22 01:30 08/06/22 01:30 Analyzed	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier S1-	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg	<u>D</u>	08/05/22 09:50 08/05/22 09:50 08/05/22 09:50 Prepared 08/05/22 09:50	08/06/22 01:30 08/06/22 01:30 08/06/22 01:30 Analyzed 08/06/22 01:30	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U Qualifier S1-	49.9 49.9 49.9 Limits 70 - 130	MDL	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/05/22 09:50 08/05/22 09:50 08/05/22 09:50 Prepared 08/05/22 09:50	08/06/22 01:30 08/06/22 01:30 08/06/22 01:30 Analyzed 08/06/22 01:30	1

Surrogate Summary

Client: Crain Environmental Job ID: 880-17690-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-17690-6	SS-30 (2')	108	94	
880-17690-6 MS	SS-30 (2')	104	95	
880-17690-6 MSD	SS-30 (2')	105	98	
890-2704-A-9-D MS	Matrix Spike	106	93	
890-2704-A-9-E MSD	Matrix Spike Duplicate	102	103	
LCS 880-31768/1-A	Lab Control Sample	111	92	
LCS 880-31769/1-A	Lab Control Sample	107	100	
LCSD 880-31768/2-A	Lab Control Sample Dup	104	92	
MB 880-31768/5-A	Method Blank	94	97	
MB 880-31769/5-A	Method Blank	94	102	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		1CO1	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
0-17690-6	SS-30 (2')	68 S1-	81	
0-2706-A-1-B MS	Matrix Spike	68 S1-	67 S1-	
0-2706-A-1-C MSD	Matrix Spike Duplicate	63 S1-	65 S1-	
S 880-31555/2-A	Lab Control Sample	89	96	
SD 880-31555/3-A	Lab Control Sample Dup	89	97	
3 880-31555/1-A	Method Blank	83	101	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31768/5-A

Lab Sample ID: LCS 880-31768/1-A

Matrix: Solid

Analysis Batch: 31904

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31768

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/08/22 13:	08/11/22 02:38	1
1,4-Difluorobenzene (Surr)	97		70 - 130	08/08/22 13:	11 08/11/22 02:38	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 31768

Prep Type: Total/NA

Prep Batch: 31768

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07179 mg/Kg 72 70 - 130 Toluene 0.100 0.08341 mg/Kg 83 70 - 130 0.100 88 Ethylbenzene 0.08799 mg/Kg 70 - 130 0.200 92 70 - 130 m-Xylene & p-Xylene 0.1838 mg/Kg 0.100 0.09228 70 - 130 o-Xylene mg/Kg

LCS LCS

Surrogate	%Recovery Qu	ualifier	Limits
4-Bromofluorobenzene (Surr)			70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 31904

Lab Sample ID: LCSD 880-31768/2-A

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.07256		mg/Kg		73	70 - 130	1	35	
Toluene	0.100	0.08266		mg/Kg		83	70 - 130	1	35	
Ethylbenzene	0.100	0.08687		mg/Kg		87	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1804		mg/Kg		90	70 - 130	2	35	
o-Xylene	0.100	0.09054		mg/Kg		91	70 - 130	2	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	92		70 ₋ 130

Lab Sample ID: 890-2704-A-9-D MS

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 31768

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0998	0.08508		mg/Kg		85	70 - 130	
Toluene	<0.00199	U	0.0998	0.09438		mg/Kg		95	70 - 130	

QC Sample Results

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2704-A-9-D MS

Lab Sample ID: 890-2704-A-9-E MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 31768

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00199 U 0.0998 0.09810 98 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.200 0.2010 mg/Kg 101 70 - 130 <0.00199 U 0.0998 o-Xylene 0.09903 mg/Kg 99 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 31768

Analysis Batch: 31904 Sample Sample Spike MSD MSD RPD Result Qualifier Added Result Qualifier %Rec RPD Limit Analyte Unit Limits 0.100 Benzene <0.00199 U 0.1022 mg/Kg 102 70 - 130 18 35 Toluene <0.00199 0.09599 0.100 mg/Kg 96 70 - 130 2 35 Ethylbenzene <0.00199 U 0.100 0.09685 mg/Kg 96 70 - 130 35 0.201 0.1954 97 70 - 130 35 m-Xylene & p-Xylene <0.00398 U mg/Kg 3 <0.00199 U 0.100 0.09572 95 70 - 130 o-Xylene mg/Kg 3

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1 4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: MB 880-31769/5-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31769

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:23	08/10/22 14:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/22 13:23	08/10/22 14:40	1

MB MB

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	70 - 130	08/08/22 13:23	08/10/22 14:40	1
1,4-Difluorobenzene (Surr)	102	70 - 130	08/08/22 13:23	08/10/22 14:40	1

Lab Sample ID: LCS 880-31769/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 31769

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09980		mg/Kg		100	70 - 130	
Toluene	0.100	0.09571		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-31769/1-A **Matrix: Solid**

Analysis Batch: 31904

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 31769

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0.100 0.09984 100 70 - 130

mg/Kg LCS LCS

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 107 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 100

Client Sample ID: SS-30 (2')

Prep Type: Total/NA

Prep Batch: 31769

Matrix: Solid

Analysis Batch: 31904

Lab Sample ID: 880-17690-6 MS

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U	0.100	0.09015		mg/Kg		90	70 - 130	
Toluene	<0.00201	U	0.100	0.09789		mg/Kg		97	70 - 130	
Ethylbenzene	<0.00201	U	0.100	0.09981		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	<0.00402	U	0.201	0.2056		mg/Kg		102	70 - 130	
o-Xylene	<0.00201	U	0.100	0.1003		mg/Kg		100	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Client Sample ID: SS-30 (2')

Prep Type: Total/NA Prep Batch: 31769

Analysis Batch: 31904

Matrix: Solid

Lab Sample ID: 880-17690-6 MSD

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U	0.0998	0.08375		mg/Kg		84	70 - 130	7	35
Toluene	<0.00201	U	0.0998	0.08778		mg/Kg		88	70 - 130	11	35
Ethylbenzene	<0.00201	U	0.0998	0.08858		mg/Kg		89	70 - 130	12	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1816		mg/Kg		91	70 - 130	12	35
o-Xylene	<0.00201	U	0.0998	0.08941		mg/Kg		90	70 - 130	11	35

MSD MSD

MR MR

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-31555/1-A

Matrix: Solid

Analysis Batch: 31531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31555

	IVID	INID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		08/05/22 09:50	08/05/22 20:48	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		08/05/22 09:50	08/05/22 20:48	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		08/05/22 09:50	08/05/22 20:48	1

Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-31555/1-A

Matrix: Solid

Analysis Batch: 31531

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31555

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	l Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	08/05/22 09	:50 08/05/22 20:48	1
o-Terphenyl	101		70 - 130	08/05/22 09	:50 08/05/22 20:48	1

Lab Sample ID: LCS 880-31555/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 31531

Prep Type: Total/NA

Prep Batch: 31555

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 885.3 89 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 874.1 mg/Kg 87 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	96		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 31531

Matrix: Solid

Lab Sample ID: LCSD 880-31555/3-A

Prep Batch: 31555

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	855.1		mg/Kg		86	70 - 130	3	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	871.0		mg/Kg		87	70 - 130	0	20	
C10-C28)										

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 890-2706-A-1-B MS Client Sample ID: Matrix Spike **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 31555

Analysis Batch: 31531

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	999	833.2		mg/Kg		81	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	92.2	F1	999	666.4	F1	mg/Kg		57	70 - 130	
C10 C28)										

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	67	S1-	70 - 130

Client: Crain Environmental Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2706-A-1-C MSD

Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

70 - 130

55

Prep Batch: 31555

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Analysis Batch: 31531 Sample Sample Spike MSD MSD RPD Result Qualifier RPD Limit Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.9 U 999 850.8 mg/Kg 83 70 - 130 2 20 (GRO)-C6-C10

643.6 F1

mg/Kg

999

Diesel Range Organics (Over C10-C28)

Matrix: Solid

MSD MSD

92.2 F1

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	63	S1-	70 - 130
o-Terphenyl	65	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31561/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

мв мв

Analyte	Result Qu	alifier RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00 U	5.00	mg/Kg			08/15/22 10:25	1

Lab Sample ID: LCS 880-31561/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	235.3	-	mg/Kg		94	90 - 110	

Lab Sample ID: LCSD 880-31561/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	238.9		mg/Kg		96	90 - 110	1	20	

Lab Sample ID: 880-17690-1 MS Client Sample ID: SS-1 (2.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	101		250	352.3		ma/Ka		100	90 110	

Client Sample ID: SS-1 (2.5') Lab Sample ID: 880-17690-1 MSD

Matrix: Solid

Analysis Ratch: 32162

Alialysis Dalcii. 32 102											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	101		250	355.1		mg/Kg		101	90 - 110	1	20

Eurofins Midland

Prep Type: Soluble

QC Sample Results

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

901 F1

Lab Sample ID: 880-17770-A-1-C MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble Analysis Batch: 32162

Sample Sample Spike MS MS %Rec Result Qualifier Result Qualifier Added Analyte Unit %Rec Limits Chloride 249

Lab Sample ID: 880-17770-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

1097 F1

mg/Kg

79

90 - 110

Analysis Batch: 32162

Sample Sample Spike MSD MSD %Rec RPD Result Qualifier Added Result Qualifier Limits RPD Limit Analyte Unit D %Rec Chloride 901 F1 249 1097 F1 mg/Kg 79 90 - 110 0 20

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

GC VOA

Prep Batch: 31768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-31768/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	5035	
MB 880-31769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	5035	
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	5035	
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	5035	

Analysis Batch: 31904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	8021B	31769
MB 880-31768/5-A	Method Blank	Total/NA	Solid	8021B	31768
MB 880-31769/5-A	Method Blank	Total/NA	Solid	8021B	31769
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	8021B	31768
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	8021B	31769
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31768
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	8021B	31769
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	8021B	31769
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	8021B	31768
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31768

Analysis Batch: 31981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 31531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	8015B NM	31555
MB 880-31555/1-A	Method Blank	Total/NA	Solid	8015B NM	31555
LCS 880-31555/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	31555
LCSD 880-31555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	31555
890-2706-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	31555
890-2706-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	31555

Prep Batch: 31555

Lab Sample ID 880-17690-6	Client Sample ID SS-30 (2')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-31555/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-31555/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-31555/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2706-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2706-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Midland

Released to Imaging: 9/14/2022 2:27:35 PM

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QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 31757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17690-2	SS-23 (2.5')	Soluble	Solid	DI Leach	
880-17690-3	SS-8 (2.5')	Soluble	Solid	DI Leach	
880-17690-4	SS-27 (2')	Soluble	Solid	DI Leach	
880-17690-5	SS-28 (2')	Soluble	Solid	DI Leach	
880-17690-6	SS-30 (2')	Soluble	Solid	DI Leach	
MB 880-31561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 32162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-2	SS-23 (2.5')	Soluble	Solid	300.0	31561
880-17690-3	SS-8 (2.5')	Soluble	Solid	300.0	31561
880-17690-4	SS-27 (2')	Soluble	Solid	300.0	31561
880-17690-5	SS-28 (2')	Soluble	Solid	300.0	31561
880-17690-6	SS-30 (2')	Soluble	Solid	300.0	31561
MB 880-31561/1-A	Method Blank	Soluble	Solid	300.0	31561
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	300.0	31561
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31561
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	31561
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31561

Eurofins Midland

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Job ID: 880-17690-1

SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Date Collected: 08/02/22 12:10 Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-1

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 10:53	CH	EET MID

Client Sample ID: SS-23 (2.5') Lab Sample ID: 880-17690-2

Date Collected: 08/02/22 12:15 Date Received: 08/03/22 14:59

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:21	CH	EET MID

Lab Sample ID: 880-17690-3 Client Sample ID: SS-8 (2.5')

Date Collected: 08/02/22 12:20

Date Received: 08/03/22 14:59

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach	· ——— -		5.04 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:30	CH	EET MID

Client Sample ID: SS-27 (2') Lab Sample ID: 880-17690-4 Date Collected: 08/02/22 12:25

Date Received: 08/03/22 14:59

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	31561	08/05/22 10:34	СН	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:39	CH	EET MID

Client Sample ID: SS-28 (2') Lab Sample ID: 880-17690-5 Date Collected: 08/02/22 12:30 **Matrix: Solid**

Date Received: 08/03/22 14:59

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run Factor Amount Amount Number or Analyzed Analyst Lab 31561 Soluble Leach DI Leach 5.01 g 50 mL 08/05/22 10:34 СН EET MID

Soluble Analysis 300.0 32162 08/15/22 11:48 СН EET MID 1 Client Sample ID: SS-30 (2') Lab Sample ID: 880-17690-6 Date Collected: 08/02/22 12:35 **Matrix: Solid**

Date Received: 08/03/22 14:59

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31769	08/08/22 13:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/10/22 15:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31981	08/11/22 10:28	SM	EET MID
Total/NA	Analysis	8015 NM		1			31757	08/08/22 11:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	31555	08/05/22 09:50	DM	EET MID
Total/NA	Analysis	8015B NM		1			31531	08/06/22 01:30	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Lab Sample ID: 880-17690-6

Matrix: Solid

Client Sample ID: SS-30 (2') Date Collected: 08/02/22 12:35 Date Received: 08/03/22 14:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 12:16	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-17690-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	06-30-23	
The following analytes	are included in this report, bu	it the laboratory is not certific	ed by the governing authority. This list ma	av include analytes for
the agency does not of	fer certification.	•	, , ,	·, ·····
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	,
0 ,		Matrix Solid	, , ,	

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Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-17690-1	SS-1 (2.5')	Solid	08/02/22 12:10	08/03/22 14:59	2.5'
880-17690-2	SS-23 (2.5')	Solid	08/02/22 12:15	08/03/22 14:59	2.5'
880-17690-3	SS-8 (2.5')	Solid	08/02/22 12:20	08/03/22 14:59	2.5'
880-17690-4	SS-27 (2')	Solid	08/02/22 12:25	08/03/22 14:59	2'
880-17690-5	SS-28 (2')	Solid	08/02/22 12:30	08/03/22 14:59	2'
880-17690-6	SS-30 (2')	Solid	08/02/22 12:35	08/03/22 14:59	2'

eurofins

Xenco

Environment Testing

Lealo NH Ciny Crain

Due Date.

8/10/22

X Routine

Rush

Pres.

ANALYSIS REQUEST

Cool Cool None NO

Preservative Codes

DI Water: H₂O

Turn Around

Email

Ciray. Crain

project Location

Project Number Project Name.

> Dobai Wate WF Unit #003 575) 44). 7244

City, State ZIP-Address. Company Name:

2925 C. Odesia

17+ 78 79761

Address:

City, State ZIP-

Grain Covironmental

roject Manager

VIDAY

(coin

Bill to: (if different)

Company Name:

Chain of Custody

Midland, TX (432) 70 EL Paso, TX (915) 5 Hobbs, NM (575) Houston, TX (281) 240-4200, Dallas TX (214) 902-0300

) 240-4200, Dallas TX (214) 902-0300	人の一
04-5440 San Antonio, TX (210) 509-3334	Work Order No:
585-3443, Lubbock, TX (806) 794-1296	
392-7550 Carlsbad, NM (575) 988-3199	•
	www.xenco.com Page of
Kalph Butler	Work Order Comments
Sland/Surdown	Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
6400 Dallas Pkwy Ste. 100	State of Project: NA
DAILES, TX 75248	Reporting Level III Level III PST/UST TRRP Level IV
amail. com	Deliverables. EDD ADaPT Other

Revised Date: 08/25/2020 Rev. 2020.2	Rev						
		6			Arther concern which is the first content and property of the content of the cont		
		4	S.F.				
Date/ Hille	inceraca by (bigliadais)	2					line sai
Data/Time	Received hy: (Signature)	Relinguished by: (Signature)	Date/Time)	Received by: (Signature)	ture)	Relinguished by (Signature)
	ions trol regotiated.	reviewed planate of uns social reinquistinent of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	rofins Xenco, its affiliates and a venses incurred by the client if s o Eurofins Xenco, but not analy	from client company to E Ibility for any losses or exp each sample submitted t	constitutes a valid purchase order and shall not assume any respondary project and a charge of \$5 for	only for the cost of samples of \$85.00 will be applied to other to othe	service. Eurofins Xenco will be liable Eurofins Xenco. A minimum charge
V Zn ⁷ 471	Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Zn o Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631/2451/7470/7471	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca TCLP/SPLP6010 8RCRA Sb As Ba Be Cd Cr C	1 Texas 11 Al 9 P 6010 8RCRA	8RCRA 13PPN zed TCLP/SP	200.8 / 6020: etal(s) to be analy.	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
44444444444444444444444444444444444444					The second secon		
	880-17690 Chain of Custody						
			X X	21 1	V 1235	\ \	55-30 (2)
		100	X	8.	1230		55-28 (2.
			X	82.	1225		55-27 /2
			X.	l.s.	1220	5')	55-8 (2.5)
	8		X	2.5'			55-23 (2.5)
)			X	2.51 6 1	8/2/22 /210	S	55-1 (2.5)
Sample Comments	Sam		77 B7	Depth Grab/ # of Comp Cont	Date Time Sampled Sampled	Matrix	Sample Identification
NaOH+Ascorbic Acid SAPC	NaOH+Aso		h h o H	0.0	Corrected Temperature:		iomi comanicis.
Zn Acetate+NaOH Zn	Zn Acetato		ride E	70.	Temperature Reading:	Yes No NA	Sample Custody Seals:
NaSO 3	Na ₂ S ₂ O ₃ NaSO ₃				Correction Factor	NO (NA)	Cooler Custody Seals:
NARIO	Namo Nario			rame	ter	No	Samples Received Intact:
NaOH Na	12304 H 2		cers	Ves No	Yes (No) Wet Ice	Tegnp Blank:	SAMPLE RECEIPT
	HCL HC			ved by 4.30pm	the lab, if received by 4.30pm		
	Cool Cool			avracaived by	TAT starts the	/	Sampler's Name:

Login Sample Receipt Checklist

Client: Crain Environmental

Job Number: 880-17690-1

SDG Number: Lea Co., NM

Login Number: 17690 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Appendix D: Photographic Documentation

Appendix D Sundown Energy, LP Bobbi State WF Unit #003



Release point (12/7/21)



View to N along W wall of battery (12/7/21)



View to W of release to E of battery (12/7/21)



View to S of battery excavation (8/2/22)



View to W of excavations E of battery (6/27/22)



View to E of S end of battery excavation (7/28/22)



View to N of battery excavation (8/2/22)



View to E of battery excavation (8/2/22)



Appendix E: Disposal Documentation

TRANSPORTER'S MANIFEST

	MANIFEST#			
SHIPPING FACILITY NAME & A Company: Sindown Energy Address: Buckeye Project Lead: Cindy	DDRESS: AF	OI 30-6:	25 - 269	54
Project Lead: Cindly				
LOCATION OF MATERIAL:				
Location: Bobbi State 3 Company: Endown Energy				
s <u>205W</u> T_	185	R 368		
Lea County, New Mexico				
TRANSPORTER NAME & ADD	RESS:			
McNabb Partners				
4008 N. Grimes #270				
Hobbs, NM 88240				
DESCRIPTION OF WASTE:	L	2	3	
Impacted Soil	Quantity: 18	18408	18 4	ds
FACILITY CONTACT:				
Date: 12/6/21	Contact Signature: (Agent for Conscent			50
NAME OF TRANSPORTER: (D	river)			
Date:	Driver Signature:	1	1 -#	
12-6-21	Deie Shay	hung Tex	ct"M	83
DISPOSAL SITE:	0	0		
Name of Disposal: Address:			~	
Date: 12/4/21	Representa Signature:	tive	nnuz	
()		, (

Received by OCD: 9/12/2022 7:2 RESULTIONS Permian Basin	Customer #:	CINDY CRAIN NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954		
	Job Kei #		County			
Facility: CRI						
Product / Service	11/2/2	Quantity Units				
Contaminated Soil (RCRA Exemp	ot)	18.00 yards				
Generator Certification Statement hereby certify that according to the R 1988 regulatory determination, the about X RCRA Exempt: Oil Field wastes garen RCRA Non-Exempt: Oil field was characteristics established in RCRA reamended. The following documentation MSDS Information RCRA F	esource Conserve described was enerated from of the which is non- gulations, 40 CI on is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardous demonstrate the above-described	tion operations and ne minimum standa ous waste as defined waste is non-hazar	I are not mixed with rds for waste hazard d in 40 CFR, part 20 rdous. (Check the ap	non-exempt wastedous by 61, subpart D, as oppropriate items):	
Driver/ Agent Signature		R360 Representativ	e Signature	7 - 3		
Customer Approval	тн	S IS NOT AN INVO	DICE!			
Approved By:		Date: _		 ;		

12/6/2021 12:08:49PM t6UJ9A01LDM8 Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20stomer: 700-1255529 Page 230 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Bid #: Customer #: CRI5480 12/6/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: NA **BOBBI** Well Name: Manif. Date: 12/6/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: ACIE Driver Field #: M83 Truck # NON-DRILLING Ria: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE! Approved By:

t6UJ9A01LDHA 12/6/2021 10:00:47AM

Received by OCD: 9/12/2022	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CINDY CRAIN NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954		
Facility: CRI						
Product / Service		Quanti	ty Units		(
Contaminated Soil (RCRA Exe	mpt)	18.00 yards				
Generator Certification Staten I hereby certify that according to th 1988 regulatory determination, the X RCRA Exempt: Oil Field waste RCRA Non-Exempt: Oil field waste characteristics established in RCRA amended. The following document MSDS Information RCR	e Resource Consertabove described was generated from constead waste which is non-a regulations, 40 Clarion is attached to	vation and Recovery Act (RCRA) aste is: iil and gas exploration and product hazardous that does not exceed the FR 261.21-261.24 or listed hazardous demonstrate the above-described.	ction operations and the minimum standar ous waste as defined I waste is non-hazar	are not mixed with rds for waste hazar d in 40 CFR, part 2 rdous. (Check the a	h non-exempt wast dous by 61, subpart D, as ppropriate items):	
Driver/ Agent Signature		R360 Representativ	e Signature	15		
Customer Approval	ТН	IS IS NOT AN INV	DICE!			
Approved By:		Date:				

6UJ9A01LDPH 12/6/2021 2:13:04PM

Page 232 of 455

TRANSPORTER'S MANIFEST

	MANIFEST #
Company Sendown Energy Address: Beckeye Project Lead Cindy Crain	4 ADZ 30-025-26934
Lea County, New Mexico	7 185 R 36E
TRANSPORTER NAME & All McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	DDRESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: (S
FACILITY CONTACT:	
Date: 12/7/21	Contact Signature: (Agent for ConocoPhillips) Sendown Energy
NAME OF TRANSPORTER:	: (Driver)
Date: 12-7-2021	Driver Signature. M-33
DISPOSAL SITE:	
Name of Disposal: Address: Date: [2-7-2]	Representative Mulin W7 Signature:

Received by OCD: 9/12/2022 73 RENVIRONMENTAL SOLUTIONS Permian Basin	Customer #:	CINDY CRAIN NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1255854 Walk-in Bid 12/7/2021 SUNDOWN EN 26954 BOBBI 3 NON-DRILLING LEA (NM)	
Facility: CRI					
Product / Service		Quant	ity Units		
Contaminated Soil (RCRA Exen	npt)	1	5.00 yards		
Generator Certification Statemed I hereby certify that according to the 1988 regulatory determination, the all X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field wastes the characteristics established in RCRA amended. The following documenta MSDS Information RCRA	Resource Conser- pove described was generated from caste which is non- regulations, 40 Cl	vation and Recovery Act (RCRA aste is: bil and gas exploration and producture hazardous that does not exceed to FR 261.21-261.24 or listed hazardous the above-describes and the statement of the	ction operations and the minimum standa lous waste as defined d waste is non-hazar	I are not mixed with rds for waste hazar d in 40 CFR, part 2 rdous. (Check the a	n non-exempt wast dous by 61, subpart D, as ppropriate items):
Driver/ Agent Signature	15.4	R360 Representati	ve Signature	(81 -	All Ca, Top.
Customer Approval					
	ТН	IS IS NOT AN INV	OICE!		
Approved By:		Date:	4		

6UJ9A01LEDZ 12/7/2021 12:39:14PM

Received by OCD: 9/12/2022 7:27:20 Attmer: Page 234 of 455 700-1255808 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 12/7/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 ENVIRONMENTAL Manifest #: NA SOLUTIONS Manif. Date: 12/7/2021 Well Name: BOBBI Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: M33 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI Quantity Units Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE! Date: Approved By:

t6UJ9A01LE7L 12/7/2021 9:42:30AM

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 235 of 455 700-1255890 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Customer #: CRI5480 Bid #: 12/7/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: NA ENVIRONMENTAL Well Name: BOBBI Manif, Date: 12/7/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: Driver **JESUS** Field #: M33 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By: _____ Date:

TRANSPORTER'S MANIFEST

	MANIFEST#
SHIPPING FACILITY NAME	& ADDRESS:
Company: Sundown En Address: Buckeye Project Lead: Cindy	eray
LOCATION OF MATERIAL: Location: Bobbi State 3 Company: Sendown Ene	3
s 20 SW	T_ 185 R_ 36E
Lea County, New Mexico	
TRANSPORTER NAME & A McNabb Partners 4008 N. Grimes #270	DDRESS:
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	Quantity: Loyds 10 yds 10 yds
FACILITY CONTACT:	
Date: 12/8/21	(Agent for Consultings) Son down Energy
NAME OF TRANSPORTER	.7
Date: 12-8-21	Driver Signature:
DISPOSAL SITE:	
Name of Disposal: 236 C Address:	11/1/
Date: 12/8/7/	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 A Momer: Page 237 of 455 700-1256042 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: 12/8/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: 26954 ENVIRONMENTAL Manifest #: N/A Well Ser. #: SOLUTIONS BOBBI Manif. Date: 12/8/2021 Well Name: Well #: 3 Hauler: MCNABB PARTNERS Permian Basin Field: Driver JOSH M03 Field #: Truck # NON-DRILLING Rig: Card# LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** 10.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01LEVD 12/8/2021 8:27:16AM

Received by OCD: 9/12/2022 7:27:20 Assomer: Page 238 of 455 SUNDOWN ENERGY LP Ticket #: 700-1256079 Customer #: CRI5480 Walk-in Bid Bid # Ordered by: CINDY CRAIN 12/8/2021 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: N/A 26954 Well Ser. #: SOLUTIONS Manif. Date: 12/8/2021 Well Name: BOBBI MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Field: Driver JOSH Truck # M02 Field #: NON-DRILLING Card# Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** 10.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01LEXS 12/8/2021 11:10:41AM

Received by OCD: 9/12/2022 7:27:20 Assomer: Page 239 of 455 SUNDOWN ENERGY LP 700-1256126 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRAIN 12/8/2021 Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 Well Name: BOBBI SOLUTIONS Manif. Date: 12/8/2021 MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Field: JOSH Driver Field #: M02 Truck # NON-DRILLING Card # Rig: LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 10.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360/Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01LF1O 12/8/2021 1:58:35PM

TRANSPORTER'S MANIFEST

N	MANIFEST #			
SHIPPING FACILITY NAME & AD Company: Sindown Energy Address: Buckeye Project Lead: Cindy	DDRESS: A	PI 30-	-025	-26954
LOCATION OF MATERIAL:				
Company Sindown Energy				
s <u>208ω</u> τ_	185	_ R	368	-
Lea County, New Mexico				
TRANSPORTER NAME & ADDR	ESS:		0	Ded
McNabb Partners	18+	2	nd	51001
4008 N. Grimes #270	hoos	2 .	o d	100C
Hobbs, NM 88240	14	(0	14	4
DESCRIPTION OF WASTE:				
Impacted Soil	Quantity: 18			
FACILITY CONTACT:				
Date: 12/9/21	Contact Signatur (Agent for Cono			
NAME OF TRANSPORTER: (Dri	ver)	01	-/	2.1
Date:	Driver Signature	: Lu	emod	NAZ
DISPOSAL SITE:			M-3	2
Name of Disposal: 2360 Address: Date:		entative re:	1	2

Received by OCD: 9/12/2022 7:27:20 AMomer: Page 241 of 455 SUNDOWN ENERGY LP 700-1256414 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRAIN 12/9/2021 Date: Generator: SUNDOWN ENERGY LP AFE #: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 12/9/2021 Well Name: BOBBI MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Field: Driver **GUMAR** Truck # M32 Field #: NON-DRILLING Card # Ria: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

Approved By:

t6UJ9A01LFNO 12/9/2021 2:09:11PM Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 Al Momer: Page 242 of 455 SUNDOWN ENERGY LP 700-1256365 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRAIN 12/9/2021 Date: AFE #: SUNDOWN ENERGY LP Generator: PO # Generator #: Manifest #: N/A 26954 Well Ser # SOLUTIONS Manif. Date: 12/9/2021 Well Name: **BOBBI** MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver **GUMAR** Field: Truck # M32 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Répresentative Signature **Customer Approval** THIS IS NOT AN INVOICE!

Date:

Approved By:

Received by OCD: 9/12/2022 7:27:28 PRINTING AMERICAL SOLUTIONS Permian Basin	Customer #:	CINDY CRAIN N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1256319 Page 243 of 455 Walk-in Bid 12/9/2021 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)		
Facility: CRI						
Product / Service		Quant	tity Units			
Contaminated Soil (RCRA Exempt)		18.00 yards				
Generator Certification Statemen I hereby certify that according to the Ro 1988 regulatory determination, the above X RCRA Exempt: Oil Field wastes go RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentatio MSDS Information RCRA H	esource Conserve we described was enerated from o e which is non- gulations, 40 CF n is attached to	vation and Recovery Act (RCRA) ste is: il and gas exploration and produhazardous that does not exceed R 261.21-261.24 or listed hazard demonstrate the above-describe	ection operations and the minimum standar lous waste as defined d waste is non-hazar	are not mixed with non-exempt was rds for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)		
Driver/ Agent Signature		R360 Representati	ve Signature			
Customer Approval						
	THI	S IS NOT AN INV	OICE!			
Approved By:		Date:				

12/9/2021 8:37:36AM

MANIFEST#					
SHIPPING FACILITY NAME & ADDRESS: Company: Sundown Energy Address: Duckeye Project Lead: Cindy					
LOCATION OF MATERIAL:					
Location: Bobbi State 3 Company: Sundown Energy					
S 20 SW T	185	R	362		
Lea County, New Mexico					
TRANSPORTER NAME & ADDR	ESS:				
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240					
DESCRIPTION OF WASTE:		12	12nd	300	
Impacted Soil	Quantity:	10 rd De	10 yels	- JUYRS	
FACILITY CONTACT:					
Date: /2/9/21		ignature: C r ConocoPhillips Sundow			
NAME OF TRANSPORTER: (Dri	ver)		2		
Date: 12-9-24	Driver Sig	nature:			
DISPOSAL SITE:					
Name of Disposal: 430					
Date: 12/9/01		epresentative	1		

Received by OCD: 9/12/2022 7:27:20 A.Momer: Page 245 of 455 SUNDOWN ENERGY LP 700-1256361 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRAIN Date: 12/9/2021 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 12/9/2021 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin JOSH Driver Field: Truck # M02 Field #: Card # NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards 10.00 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

Received by OCD: 9/12/2022 7:27:20 A.Momer: Page 246 of 455 SUNDOWN ENERGY LP 700-1256316 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRAIN 12/9/2021 Date: AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 12/9/2021 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: Permian Basin Field: Driver JOSH Truck # M02 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

Received by OCD: 9/12/2022 7:2 PASSOLUTIONS Permian Basin	Customer #:	CINDY CRAIN N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954
Facility: CRI				
Product / Service		Quantit	y Units	
Contaminated Soil (RCRA Exe	mpt)	10	.00 yards	
RCRA Non-Exempt: Oil field v characteristics established in RCRA amended. The following document	e Resource Conser- above described was a generated from o vaste which is non- a regulations, 40 CF ation is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the FR 261.21-261.24 or listed hazardo	tion operations and e minimum standa us waste as defined waste is non-hazar	I are not mixed with non-exempt wards for waste hazardous by d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representative	e Signature	
Customer Approval				
	TH	IS IS NOT AN INVO	DICE!	
Approved By:		Date: _		

TRANSPORTER'S MANIFEST

ANIFEST #
DRESS: APZ 30-025-26954
185 R 36E
SS:
157
Quantity: 10 yb
Contact Signature: Cindy (Agent for ConocoPhillips) Sindown Evergy
er)
Driver Signature:
Representative Signature:

Received by OCD: 9/12/2022 7:27:20 A.Momer: Page 249 of 455 SUNDOWN ENERGY LP 700-1256583 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRAIN 12/10/2021 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Well Name: BOBBI Manif. Date: 12/10/2021 3 Hauler: MCNABB PARTNERS Well #: Permian Basin Driver JOSH Field: M02 Truck # Field #: **NON-DRILLING** Card # Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval** THIS IS NOT AN INVOICE!

Date:

Approved By:

TRANSPORTER'S MANIFES

4.1	RANSPORTER'S MANIFEST				
MANIFEST #					
SHIPPING FACILITY NAME & ADDRESS:					
Company: Sondown Energy Address: Bockeye Project Lead: Condy	API 30-025-26954				
LOCATION OF MATERIAL:					
Location: Bololo: Stede 3 Company: Somelown Energy					
s <u>2086</u> T_	185 R 368				
Lea County, New Mexico					
TRANSPORTER NAME & ADDRE	ESS:				
McNabb Partners					
4008 N. Grimes #270					
Hobbs, NM 88240					
	A . 1				
DESCRIPTION OF WASTE:					
Impacted Soil	Quantity: 15 1				
FACILITY CONTACT:					
Date: 12/10/21	Contact Signature: Creedy				
. 2.92.	(Agent for GenecoPhillips)				
	Sindown Energy				
NAME OF TRANSPORTER: (Driv	rer)				
Date:	Driver Signature:				
12-10-21	C/ /m-35				
DISPOSAL SITE:	70				
Name of Disposal: 2360	/1/				
Date: 12/10/21	Representative //				
1-11-101	Signature:				

Received by OCD: 9/12/2022 7:27:20 A Momer. 700-1256588 Page 251 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 12/10/2021 Ordered by: CINDY CRAIN Date: Generator: SUNDOWN ENERGY LP AFE #: Generator #: PO # 26954 Well Ser. #: ENVIRONMENTAL Manifest #: N/A Well Name: BOBBI SOLUTIONS Manif. Date: 12/10/2021 Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: M33 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01LG11 12/10/2021 8:39:07AM

TRANSPORTER'S MANIFEST

	MANIFEST #
SHIPPING FACILITY NAME Company: Sundown En Address: Buckeye Project Lead: Cindy (ra	eray
LOCATION OF MATERIAL:	
Location: Bobb i Stale . Company: Sundown Ene	
s_ 20 SW_	T_ 185 R_ 368
Lea County, New Mexico	
TRANSPORTER NAME & A	ADDRESS: 131 2nd 3Rd Load Load
McNabb Partners	
4008 N. Grimes #270	1 m 15,116 15,116
Hobbs, NM 88240	18909 (890)
DESCRIPTION OF WASTE	; 1
Impacted Soil	Quantity: 18
FACILITY CONTACT:	
Date: 12/13/21	Contact Signature: Cindy (Agent for ConocoPhillips) Sindown Energy
NAME OF TRANSPORTER	R: (Driver)
Date:	Driver Signature: Lumer Rdz
DISPOSAL SITE:	M-3Z
Name of Disposal: R360 Address: Date:	- W
Date: 12/13/2	Signature:

PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	NA 12/13/2021 MCNABB PARTNERS GUMER M32	Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		3	
	Quanti	ty Unite	A V		
The state of the state of					
empt)	18.00 yards				
above described waste which is non A regulations, 40 C	reation and Recovery Act (RCRA) raste is: bil and gas exploration and production-hazardous that does not exceed to FR 261.21-261.24 or listed hazard	ction operations and he minimum standa ous waste as define d waste is non-haza	d are not mixed wind ards for waste haza and in 40 CFR, part ardous. (Check the	ith non-exempt was ardous by 261, subpart D, as appropriate items):	
	R360 Representati	ve Signature			
	-				
r	Manif. Date: Hauler: Driver Truck # Card # Job Ref # empt) ment of Waste Since Resource Consent above described waste which is non A regulations, 40 C	Manif. Date: 12/13/2021 Hauler: MCNABB PARTNERS Driver GUMER Truck # M32 Card # Job Ref # Quantification Memot of Waste Status The Resource Conservation and Recovery Act (RCRA) Tabove described waste is: The generated from oil and gas exploration and product waste which is non-hazardous that does not exceed to A regulations, 40 CFR 261.21-261.24 or listed hazard intation is attached to demonstrate the above-described RA Hazardous Waste Analysis Process Knowledger Process Kn	Manif. Date: 12/13/2021 Well Name: Well #: Hauler: MCNABB PARTNERS Well #: Driver GUMER Field: Truck # M32 Field #: Rig: Card # Rig: County Quantity Units the Resource Conservation and Recovery Act (RCRA) and the US Environabove described waste is: tess generated from oil and gas exploration and production operations and waste which is non-hazardous that does not exceed the minimum standar A regulations, 40 CFR 261.21-261.24 or listed hazardous waste is non-hazardous that does not exceed the minimum standar A regulations, 40 CFR 261.21-261.24 or listed hazardous waste is non-hazardous.	Manif. Date: 12/13/2021 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Driver GUMER Field: Field: Field #: Rig: NON-DRILLING Card # County LEA (NM) Quantity Units empt) 18.00 yards ment of Waste Status he Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection above described waste is: tes generated from oil and gas exploration and production operations and are not mixed with waste which is non-hazardous that does not exceed the minimum standards for waste haza A regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part thation is attached to demonstrate the above-described waste is non-hazardous. (Check the RA Hazardous Waste Analysis Process Knowledge Other (Provide description as	

Date:

Approved By:

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1257169 Page 254 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 12/13/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: NA **BOBBI** Well Name: Manif. Date: 12/13/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Field: Permian Basin **GUMER** Driver Field #: Truck # M32 NON-DRILLING Rig: Card# LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

Date:

t6UJ9A01LH8P Released to Imaging: 9/14/2022 2:27:35 PM

Approved By:

Received by OCD: 9/12/2022 7:2	7:2 Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CINDY CRAIN N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954
Facility: CRI				
Product / Service		Quanti	ty Units	
Contaminated Soil (RCRA Exe	mpt)	18	3.00 yards	
RCRA Non-Exempt: Oil field v	e Resource Consentations of the Resource Consentation of the Resource Cons	reation and Recovery Act (RCRA) aste is: bil and gas exploration and production- hazardous that does not exceed to FR 261.21-261.24 or listed hazard to demonstrate the above-described the Analysis Process Knowled	ction operations and the minimum standations waste as defined waste is non-hazatige Other (Pro-	d are not mixed with non-exempt wa ords for waste hazardous by d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representati	ve Signature	
Customer Approval		VJ		
	TH	IS IS NOT AN INV	OICE!	
Approved By:		Date:		

t6UJ9A01LH25 Released to Imaging: 9/14/2022 2:27:35 PM

	MANIFEST #		-		
SHIPPING FACILITY NAME & AD	DRESS:	4DZ 30	5-025-20	6854	
Company: Sundown Energy Address: Buckeye Project Lead: Cindy (run					
LOCATION OF MATERIAL:					
Location: Bobbi State 3 Company: Sindown Every					
s_20SWT_	185	R	36€		
Lea County, New Mexico					
TRANSPORTER NAME & ADDR	ESS:				
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240				- 2 22	
DESCRIPTION OF WASTE:	1. (load	2. Coao	(3.	Loxel
Impacted Soil	Quantity: /	18	2. (vae 1840	ls) 15	र ५०४
FACILITY CONTACT:					
Date:	Contact Signa (Agent for Co	onocoPhillips			
NAME OF TRANSPORTER: (Dr	iver)				
Date: 12/14/21	Driver Signat	ture:	sse More	dD	M-82
DISPOSAL SITE:		0			
Name of Disposal: Address: Date: 12-14-21		resentative nature:	Mu	Una	- !(

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1257514 Page 257 of 455 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Customer #: CRI5480 Bid #: 12/14/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: Manifest #: NA VIRONMENTAL Well Name: BOBBI Manif. Date: 12/14/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Field: Permian Basin **JESSE** Driver Field #: M82 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent/Signature Customer Approval

THIS IS NOT AN INVOICE!

Approved By: ______ Date.

t6UJ9A01LI5V 12/14/2021 1:58:36PM

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1257456 Page 258 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Bid #: Customer #: CRI5480 12/14/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: Manifest #: NA Well Name: **BOBBI** Manif. Date: 12/14/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **JESSE** Driver Field #: M82 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature** oreus M-85 Customer Approval THIS IS NOT AN INVOICE

Approved By: Date:

t6UJ9A01LHZO Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1257431 Page 259 of 455 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Bid #: Customer #: CRI5480 12/14/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: NA Manifest #: FNVIRONMENTAL Well Name: **BOBBI** Manif. Date: 12/14/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **JESSE** Driver Field #: M82 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) MSDS Information R360 Representative Signature Driver/ Agent Signature oceur M-82 Customer Approval THIS IS NOT AN INVOICE!

Date:

Approved By:

	MANIFEST #
SHIPPING FACILITY NAME Company: Sundown Ene Address: Buckeye Project Lead: Cindy (170	
LOCATION OF MATERIAL: Location: Bobbi State 3 Company: Sindown Ene	194
S	T185R368
TRANSPORTER NAME & A McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	DDRESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: QO
FACILITY CONTACT: Date: 12/11/2 (Contact Signature: Cindy (Agent for ConocoPhillips) Sundown Energy
NAME OF TRANSPORTER:	(Driver)
Date: 12-11-21	Driver Signature: Wiel mgd
DISPOSAL SITE:	
Name of Disposal: Address: Date: 2 · 14-2	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 261 of 455 700-1257508 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: Ordered by: CINDY CRAIN 12/14/2021 Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 NA Manifest #: ENVIRONMENTAL Well Name: BOBBI SOLUTIONS Manif. Date: 12/14/2021 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: Driver URIEL Field #: M80 Truck # NON-DRILLING Rig: Card# LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

Date: Approved By:

12/14/2021 1:40:26PM t6UJ9A01LI5F

IVI	ANIFEST#		
SHIPPING FACILITY NAME & ADI Company: Sindown Energy Address: Buckeye Project Lead: Cindy Crain	DRESS:	AP I 30-02	25-26954
LOCATION OF MATERIAL: Location: Bobbi State 3 Company: Sundown Energy			
	185	R <u>368</u>	
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	SS:		
DESCRIPTION OF WASTE: Impacted Soil	Quantity: 75	2 Load 15 you	3. Wad 15 yas
FACILITY CONTACT:		/	
Date: 12/15/21	Contact Signature (Agent for Consection)	e: Cindy OPhillips) down Energy	
NAME OF TRANSPORTER: (Drive Date:		1	m-33
DISPOSAL SITE: Name of Disposal: Address: Date: U(57/	Represer Signature	ntative Muln	u

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 263 of 455 700-1257790 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Bid #: Customer #: CRI5480 12/15/2021 Date: Ordered by: CINDY CRAIN SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: NA ENVIRONMENTAL Well Name: BOBBI Manif. Date: 12/15/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Field: Permian Basin **JESUS** Driver Field #: M33 Truck # NON-DRILLING Rig: Card# LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) MSDS Information **R360 Representative Signature Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!,

Released to Imaging: 9/14/2022 2:27:35 PM

Approved By:

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 264 of 455 700-1257730 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Bid #: Customer #: CRI5480 12/15/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: Manifest #: VVIRONMENTAL Well Name: BOBBI Manif. Date: 12/15/2021 SOLUTIONS Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: Truck # M33 NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOIC

Date: Approved By:

t6UJ9A01LIN0 Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 AM customer: Page 265 of 455 700-1257676 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 12/15/2021 Date: Ordered by: CINDY CRAIN SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: Well Ser. #: 26954 NVIRONMENTAL Manifest #: NA Well Name: BOBBI SOLUTIONS Manif. Date: 12/15/2021 3 Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: Truck # M33 NON-DRILLING Rig: Card # LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval** THIS IS NOT AN INVOICE!

Date:

t6UJ9A01LIHS 12/15/2021 8:17:48AM

Approved By:

	MANIFEST #_		
Company: Sundown Energy Address: Buckeye Project Lead: Cindy		API	30-025-26954
LOCATION OF MATERIAL: Location: Bobbi state 3 Company: Sundown Energy			
S	185	P	768
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:		
DESCRIPTION OF WASTE: Impacted Soil	Quantity:	15 yds.	11
FACILITY CONTACT: Date: / 2-16-2/	(Agent for	gnature: C., ConocoPhillis S.n.dow	ndy sin Cherey
NAME OF TRANSPORTER: (Date: 12-16-21			l_{m-33}
DISPOSAL SITE:	itway R	epresentative signature:	

Received by OCD: 9/12/2022 7:2 Received by OCD: 9/12/2022 7:2 Received by OCD: 9/12/2022 7:2 Received by OCD: 9/12/2022 7:2	Customer #:	CINDY CRAIN NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954
Facility: CRI				
Product / Service		Quant	ity Units	
Contaminated Soil (RCRA Exe	mpt)	1	5.00 yards	
_ RCRA Non-Exempt: Oil field v	e Resource Consertabove described was generated from ovaste which is non-cregulations, 40 Clartion is attached to	vation and Recovery Act (RCRA aste is: il and gas exploration and produ- hazardous that does not exceed to the state of th	ction operations and the minimum standa ous waste as defined waste is non haza lge Other (Pro	d are not mixed with non-exempt wa urds for waste hazardous by d in 40 CFR, part 261, subpart D, as gdous. (Check the appropriate items)
- Agent orginatare		_		
Customer Approval				•
	TH	IS IS NOT AN INV	OICE!	
Approved By:		Date:		

t6UJ9A01LJ9Z Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 Received by OCD: 9/12/2022 7:2	Customer #:	SUNDOWN ENERGY LP CRI5480 CINDY CRAIN NA 12/16/2021 MCNABB PARTNERS JESUS M33	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1258039 Page 268 of 455 Walk-in Bid 12/16/2021 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quanti	ty Units	
Contaminated Soil (RCRA Exem	pt)	15	5.00 yards	
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field wa characteristics established in RCRA r amended. The following documentati MSDS Information RCRA	Resource Consert ove described was generated from on ste which is non- egulations, 40 Cl	vation and Recovery Act (RCRA) aste is: bil and gas exploration and product hazardous that does not exceed to FR 261.21-261.24 or listed hazard ademonstrate the above-described	ction operations and he minimum standa ous waste as define d waste is non-haza	d are not mixed with non-exempt wants for waste hazardous by d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items
Driver/ Agent Signature		R360 Representativ	ve Signature	
Customer Approval				A
	TH	IS IS NOT AN INV	OICE!	
Approved By:		Date:		

12/16/2021 2:09:57PM

MANIFEST #				
SHIPPING FACILITY NAME & A Company: Sondown Energy Address: Duckeye Project Lead: Cindy Orain	DDRESS	4PI 30-0	25-26954	
LOCATION OF MATERIAL: Location: 3 obb: stole 3 Company: Sandown Energy	165		36 €	
S T Lea County, New Mexico	185		366	
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:			
DESCRIPTION OF WASTE: Impacted Soil	Quantity:	18 YARD	<i>\$</i>	
FACILITY CONTACT:			, en	
Date: 2-16-21	(Agent for G	nature: Cinda concernillos) Indown E		
NAME OF TRANSPORTER: (D	river)	4		
Date: 12-16-21	Driver Signa	ature: Pumo	+ Rd ?	
DISPOSAL SITE: Name of Disposal: Address: Date:	Rer	M- 7	2_	
12/14/20		bi inni	dinas	

Received by OCD: 9/12/2022 7:27:20 Alstomer: 700-1258038 Page 270 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 12/16/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: Well Ser. #: 26954 Manifest #: NA SOLUTIONS Well Name: BOBBI Manif. Date: 12/16/2021 MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Field: **GUMAR** Driver Field #: Truck # M32 NON-DRILLING Rig: Card # LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Date: Approved By:

12/16/2021 2:08:26PM t6UJ9A01LJGJ

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1257952 Page 271 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Bid #: Customer #: CRI5480 12/16/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: Manifest #: NA VIRONMENTAL **BOBBI** Well Name: Manif. Date: 12/16/2021 SOLUTIONS 3 Well #: MCNABB PARTNERS Hauler: Field: Permian Basin **GUMER** Driver Field #: M32 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE

Approved By:

Date:

12/16/2021 10:41:25AM t6UJ9A01LJ9V Released to Imaging: 9/14/2022 2:27:35 PM

M	IANIFEST#
Company: Sundown Energy Address: Buckeye Project Lead: Cindy	1. 1. 2. 0.0
LOCATION OF MATERIAL:	
Location: Bobb: stale 3 Company:	
S	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR	ESS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 20
FACILITY CONTACT:	
Date: /2/17/21	Contact Signature: Cindy (Agent for ConocoPhillips) Sindown Energy Truck III M 81
NAME OF TRANSPORTER: (Dr	
Date: 12-/7-2/	Driver Signature:
DISPOSAL SITE:	
Name of Disposal:	
Date: MM 7	Representative Signature:

Received by OCD: 9/12/2022 7:27: RESIDENTIFICATION S Permian Basin	Customer: SUNDOWN ENERGY LP Customer #: CRI5480 Ordered by: CINDY CRAIN AFE #: PO #: Manifest #: N/A Manif. Date: 12/17/2021 Hauler: MCNABB PARTNERS Driver JOE Truck # M81 Card # Job Ref #	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1258259 Page 273 of 455 Walk-in Bid 12/17/2021 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI			
Product / Service	Quan	tity Units	
Contaminated Soil (RCRA Exem	ipt) 2	20.00 yards	
1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field was characteristics established in RCRA ramended. The following documentat	Resource Conservation and Recovery Act (RCRA	uction operations and the minimum standar dous waste as defined ed waste is non-hazar	are not mixed with non-exempt was designed for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Driver/ Agent Signature	R360 Representati	ive Signature	

THIS IS NOT AN INVOICE!

Approved By: Date:

12/17/2021 10:01:34AM

MANI	FEST #
SHIPPING FACILITY NAME & ADDRE	ESS: API 30-025-26954
Company: Soudown Energy Address: Buckeye Project Lead: Cindy	
LOCATION OF MATERIAL: Location: Bobb: state 3 Company: Sundown Energy	
S T Lea County, New Mexico	185 R 365
TRANSPORTER NAME & ADDRESS	S:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 15 y 5
FACILITY CONTACT:	
Date: 12/12/21	Contact Signature: Condy (Agent for ConacoPhillips) Sindown Energy
NAME OF TRANSPORTER: (Driver	
Date: 13-17-21	Driver Signature: m-33
DISPOSAL SITE:	
Address: Date: \2/17/1/	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 Afformer: 700-1258258 Page 275 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 12/17/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: N/A Well Name: **BOBBI** Manif. Date: 12/17/2021 SOLUTIONS Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: M33 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE! Date: Approved By:

12/17/2021 9:59:49AM t6UJ9A01LJVN

	MANIFEST #
SHIPPING FACILITY NAME of Company: Sundown Enemo Address: Buck eye Project Lead: Cindy	
LOCATION OF MATERIAL: Location: Bobbi state 3 Company: Sundown Energy	
S	T <u>185</u> R <u>368</u>
TRANSPORTER NAME & A McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	DDRESS: 191 2nd 3rd 10ad 10ad 10ad 11m
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 15 yas.
FACILITY CONTACT:	
Date: 12/20/21	Contact Signature: Condy (Agent for ConocoPhillips) Sundayn Energy
NAME OF TRANSPORTER:	: (Driver)
Date 3-20-2021	Driver Signature: M-33
DISPOSAL SITE: Name of Disposal: R360 Address:	
Date: 12 / 20 / 7 1	Representative Signature:

Received by OCD: 9/12/2022 7:27 RESIDENTIFICATIONS Permian Basin	Customer #:	CINDY CRAIN N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954	
Facility: CRI					
Product / Service		Quant	ity Units		
Contaminated Soil (RCRA Exem	pt)	1:	5.00 yards		
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field wa characteristics established in RCRA re amended. The following documentati MSDS Information RCRA	Resource Consertove described was generated from o ste which is nonegulations, 40 CF on is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed to FR 261.21-261.24 or listed hazard demonstrate the above-described	ction operations and he minimum standar ous waste as defined waste is non-hazar	are not mixed wirds for waste haza I in 40 CFR, part dous. (Check the	ith non-exempt was ardous by 261, subpart D, as appropriate items):
Driver/ Agent Signature		R360 Representativ	ve Signature		
Customer Approval		-//			
	THI	S IS NOT AN INV	OICE!		

12/20/2021 2:07:12PM

Received by OCD: 9/12/2022 7:27:20 AM Customer: 700-1258821 Page 278 of 455 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Customer #: CRI5480 Bid #: 12/20/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: N/A Manifest #: ENVIRONMENTAL **BOBBI** Well Name: Manif. Date: 12/20/2021 SOLUTIONS Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **JESUS** Driver Field #: M33 Truck # NON-DRILLING Ria: Card # LEA (NM) County Job Ref# Facility: CRI Quantity Units Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) 2ND LOAD Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): Process Knowledge __ Other (Provide description above) MSDS Information __ RCRA Hazardous Waste Analysis R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE! Date: Approved By:

t6UJ9A01LL3O Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27: P360 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #		Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954	
Facility: CRI					
Product / Service		Quant	tity Units		
Contaminated Soil (RCRA Exem	pt)	1	5.00 yards		
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the above the I X RCRA Exempt: Oil Field wastes and I RCRA Non-Exempt: Oil field wastes and I Characteristics established in RCRA reamended. The following documentation MSDS Information RCRA Driver/ Agent Signature	Resource Conserve described was generated from a stee which is non egulations, 40 C	rvation and Recovery Act (RCRA aste is: oil and gas exploration and produ-hazardous that does not exceed FR 261.21-261.24 or listed hazardous the above-describe	the minimum standa dous waste as define dous waste is non-haza dge Other (Pro	d are not mixed wards for waste hazed in 40 CFR, particular, (Check the	vith non-exempt was cardous by t 261, subpart D, as e appropriate items):
Customer Approval					
		IO IO NIOT ANI INIV	OICEL		

THIS IS NOT AN INVOICE!

Approved By: ______ Date: _____

t6UJ9A01LKYG Released to Imaging: 9/14/2022 2:27:35 PM

	MANIFEST#
SHIPPING FACILITY NAME Company: Sundown Ener Address: Buckeye Project Lead: Cindy Cra	24
LOCATION OF MATERIAL: Location: Bobb: state 3 Company: Sundown En	rey
S	T
TRANSPORTER NAME & A McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	ADDRESS: 191 2 LOAD 3 LOAD 100d 18 4ds 18 4ds
DESCRIPTION OF WASTE	Quantity: 48
FACILITY CONTACT:	
Date: 12/20/21	Contact Signature: Cindel (Agent for ConocoPhillips) Sindown Everal
NAME OF TRANSPORTER	
Date:	Driver Signature: Lumer Rd3
DISPOSAL SITE: Name of Disposal: R36 Address: Date:	Representative Signature: M-32 Representative Signature:

Received by OCD: 9/12/2022 7:27 RESIDENTIFICATIONS Permian Basin		CINDY CRAIN N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954	
Facility: CRI					
Product / Service		Quant	tity Units		
Contaminated Soil (RCRA Exem	pt)	1	8.00 yards		
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field was characteristics established in RCRA r amended. The following documentat MSDS Information RCRA Driver/ Agent Signature	Resource Consert ove described was generated from conste which is non- egulations, 40 Claims is attached to	vation and Recovery Act (RCRA aste is: oil and gas exploration and produ-hazardous that does not exceed FR 261.21-261.24 or listed hazardous the above-describe	nction operations and the minimum standa dous waste as define ed waste is non-haza dge Other (Pro	d are not mixed words for waste hazed in 40 CFR, part rdous. (Check the	ith non-exempt was ardous by 261, subpart D, as appropriate items)
		110	(
Customer Approval					
	TH	IS IS NOT AN INV	OICE!		
Approved By:		Date:			

12/20/2021 8:47:07AM t6UJ9A01LKYA Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 282 of 455 700-1258820 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: Ordered by: CINDY CRAIN 12/20/2021 Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: NA Manifest #: BOBBI Well Name: Manif. Date: 12/20/2021 SOLUTIONS Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **GUMER** Driver Field #: M32 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE! Date: Approved By:

Received by OCD: 9/12/2022 7:27:20 AMmer: Page 283 of 455 700-1258897 SUNDOWN ENERGY LP Ticket #: Bid #: Walk-in Bid Customer #: CRI5480 12/20/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 26954 Well Ser. #: Manifest #: NA Well Name: BOBBI SOLUTIONS Manif. Date: 12/20/2021 Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **GUMER** Driver Field #: M32 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By:

Date:

t6UJ9A01LL9T Released to Imaging: 9/14/2022 2:27:35 PM

	MANIFEST #
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sundawn Address: Project Lead: Caroly (run)	
LOCATION OF MATERIAL:	
Location: Bobby state 3 B Company: Simelown	cetter
ST_	R
Lea County, New Mexico	
TRANSPORTER NAME & ADDR	RESS:
McNabb Partners	
4008 N. Grimes #270	
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	Quantity: 1840= 1840= 1
Impacted Soil	Quantity: 18 yards 1840= 1
FACILITY CONTACT:	
Date:	Contact Signature: fast
1223-21	(Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dr	iver)
Date:	Driver Signature: Guma Rd3
DISPOSAL SITE:	M-37
Name of Disposal: Address:	
Date:	Representative
2.23.21	Signature: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	gri pur.

Received by OCD: 9/12/2022 7:27:20 AMomer: Page 285 of 455 SUNDOWN ENERGY LP Ticket #: 700-1259750 Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 12/23/2021 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: Well Ser. #: 26954 NA SOLUTIONS Manif. Date: 12/23/2021 Well Name: BOBBI MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Driver **GUMER** Field: Truck # M32 Field #: NON-DRILLING Card # Ria: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By:

t6UJ9A01LMU3 12/23/2021 10:51:58AM

Received by OCD: 9/12/2022 7:27	Customer #:	CINDY CRAIN NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954
Facility: CRI				
Product / Service		Quanti	ty Units	
Contaminated Soil (RCRA Exem	npt)	18	3.00 yards	
Generator Certification Statemer I hereby certify that according to the 1988 regulatory determination, the above the statement of the statemen	Resource Conser- pove described was generated from caste which is non- regulations, 40 Classics is attached to	vation and Recovery Act (RCRA) aste is: iil and gas exploration and product hazardous that does not exceed the FR 261.21-261.24 or listed hazard demonstrate the above-described	ction operations and the minimum standa ous waste as defined I waste is non-hazar	I are not mixed with non-exempt was rds for waste hazardous by d in 40 CFR, part 261, subpart D, as rdous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representativ	ve Signature	OF
Customer Approval				7
	TH	IS IS NOT AN INV	OICE!	
Approved By:		Date:		

12/23/2021 8:48:20AM

Received by OCD: 9/12/2022 7:27:20.45 mer: 700-1259789 Page 287 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 12/23/2021 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 NA ENVIRONMENTAL Manifest #: Well Name: BOBBI SOLUTIONS Manif. Date: 12/23/2021 3 MCNABB PARTNERS Well #: Hauler: Permian Basin Field: Driver **GUMER** Field #: M32 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By:

t6UJ9A01LMY3

Released to Imaging: 9/14/2022 2:27:35 PM

MANIFEST #
SHIPPING FACILITY NAME & ADDRESS:
Company: Sundown
Address: Project Lead: Cincly Crane
LOCATION OF MATERIAL:
Location: Bobbi State Bottery Company:
s 70 T 18 R 30
Lea County, New Mexico
TRANSPORTER NAME & ADDRESS: 18 VARS M 31 M
DESCRIPTION OF WASTE:
Impacted Soil Quantity: 184
FACILITY CONTACT:
Date: 3 22 Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driver) Hugo
Date: $1-31-22$ Driver Signature:
DISPOSAL SITE:
Name of Disposal: R3 60 Address:
Address: Date: Representative
1 31 7Z Signature:

Received by OCD: 9/12/2022 7:27:20 Almomer: 700-1271089 Page 289 of 455 Ticket #: SUNDOWN ENERGY LP Walk-in Bid Bid #: Customer #: CRI5480 1/31/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 999908 Well Ser. #: Manifest #: N/A Well Name: BOBBI STATE BATTERY Manif. Date: 1/31/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: HUGO Driver Field #: M31 Truck # NON-DRILLING Ria: Card # County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge / _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01M6X7 1/31/2022 2:45:45PM

Received by OCD: 9/12/2022 7:27. Received by OCD: 9/12/2022 7:27. Received by OCD: 9/12/2022 7:27.	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	SUNDOWN ENERGY LP CRI5480 CINDY CRANE N/A 1/31/2022 MCNABB PARTNERS HUGO M31	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1271035 Walk-in Bid 1/31/2022 SUNDOWN EI 999908 BOBBI STATE	BATTERY
Facility: CRI				11157	
Product / Service		Quant	tity Units		
Contaminated Soil (RCRA Exem	pt)	1	18.00 yards		
Generator Certification Stateme I hereby certify that according to the 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field was characteristics established in RCRA ramended. The following documentat MSDS Information RCRA Driver/ Agent Signature	Resource Conse- ove described wagenerated from este which is nor egulations, 40 Colon is attached to	rvation and Recovery Act (RCRA vaste is: oil and gas exploration and produ a-hazardous that does not exceed FR 261.21-261.24 or listed hazardo o demonstrate the above-describe	the minimum standardous waste as defined waste is non-hazardous _ Other (Pro	d are not mixed wards for waste haz	with non-exempt was cardous by t 261, subpart D, as appropriate items)
Customer Approval					

THIS IS NOT AN INVOICE!

Approved By: _____ Date: ____

700-1271002 Received by OCD: 9/12/2022 7:27:26 A.Momer: Ticket #: Page 291 of 455 SUNDOWN ENERGY LP Walk-in Bid Bid #: Customer #: CRI5480 1/31/2022 Date: Ordered by: CINDY CRANE SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 999908 Well Ser. #: Manifest #: N/A Well Name: BOBBI STATE BATTERY Manif. Date: 1/31/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: HUGO Driver Field #: M31 Truck # NON-DRILLING Ria: Card# County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knewledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date: _____

t6UJ9A01M6LW Released to Imaging: 9/14/2022 2:27:35 PM

700-1270972 Received by OCD: 9/12/2022 7:27:20 Ashmer: SUNDOWN ENERGY LP Ticket #: Page 292 of 455 Walk-in Bid Bid #: Customer #: CRI5480 1/31/2022 Date: Ordered by: CINDY CRANE SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 999908 Well Ser. #: Manifest #: N/A **BOBBI STATE BATTERY** Well Name: Manif. Date: 1/31/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Field: Permian Basin HUGO Driver Field #: M31 Truck # NON-DRILLING Rig: Card # County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01M6I8

Released to Imaging: 9/14/2022 2:27:35 PM

MAN	FEST	#
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SHIPPING FACILI	TY NAM	ME & ADL	IKESS:
-----------------	--------	----------	--------

Address:

Company: Sundown

Project Lead: Cindy Gane

LOCATION OF MATERIAL:

Location:

Bobbi State

Company:

Lea County, New Mexico

TRANSPORTER NAME & ADDRESS:

McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

Me Mours

FACILITY CONTACT:

Contact Signature:

(Agent for

NAME OF TRANSPORTER: (Driver)

Date:

Driver Signature:

DISPOSAL SITE:

Name of Disposal:

Address:

Representative Signature:

Received by OCD: 9/12/2022 7:27:20 4540 mer: 700-1271418 SUNDOWN ENERGY LP Ticket #: Page 294 of 455 Walk-in Bid Bid #: Customer #: CRI5480 2/1/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: N/A ENVIRONMENTAL Well Name: BOBBI Manif. Date: 2/1/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **JESSE** Driver Field #: M82 Truck # NON-DRILLING Rig: Card# LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signafure Customer Approval THIS IS NOT AN INVOICE!

Date:

Received by OCD: 9/12/2022 7: RESIDENTIFICATIONS Permian Basin	Customer #:	CINDY CRANE NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1271368 Walk-in Bid 2/1/2022 SUNDOWN EN 26954 BOBBI 3	
Facility: CRI					
Product / Service	The state of the	Quanti	ty Units		State of the state
Contaminated Soil (RCRA Exer	mpt)	20	0.00 yards		
Generator Certification Statem I hereby certify that according to the 1988 regulatory determination, the a X RCRA Exempt: Oil Field waster RCRA Non-Exempt: Oil field waster characteristics established in RCRA amended. The following documenta MSDS Information _ RCRA	Resource Conset bove described w is generated from or regulations, 40 C	vation and Recovery Act (RCRA) aste is: bil and gas exploration and product hazardous that does not exceed to FR 261.21-261.24 or listed hazardous demonstrate the above-described	ction operations and the minimum standa ous waste as define I waste is non-haza	d are not mixed winds for waste haza d in 40 CFR, part 2 rdous. (Check the	th non-exempt waste rdous by 261, subpart D, as appropriate items):
Dairent Ament Simpotund		R360 Representativ	e Signature		
Driver/ Agent Signature		- (2		
Customer Approval			J. 101 1		Carrier and
Oustoner Approva	ТН	IS IS NOT AN INV	OICE!		
Approved By:		Date:			

Approved By:

2/1/2022 1:23:18PM t6UJ9A01M7JZ Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:26 Assemer: 700-1271316 SUNDOWN ENERGY LP Ticket #: Page 296 of 455 Walk-in Bid Bid #: Customer #: CRI5480 2/1/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 N/A Manifest #: **BOBBI** Well Name: Manif. Date: 2/1/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: **JESSE** Driver Field #: M82 Truck # NON-DRILLING Rig: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described vaste is non-hazardous. (Check the appropriate items): Other (Provide description above) _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge 360 Representative Signature Driver/ Agent Signature Customer Approval THIS IS NOT AN INVOICE!

Date:

t6UJ9A01M7HJ Released to Imaging: 9/14/2022 2:27:35 PM

	MANIFEST #
SHIPPING FACILITY NAME &	ADDRESS:
Company: Sundown	
Address: Project Lead: Cindy Cv	ane
LOCATION OF MATERIAL:	3 8 1105
Location: Bobbi State Company:	3 Battery
s30	025 RZ6954
Lea County, New Mexico	
	API # 30.025.269
TRANSPORTER NAME & ADI	DRESS:
McNabb Partners	
4008 N. Grimes #270	
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: ZOG
FACILITY CONTACT:	
Date:	Contact Signature:
2.1.22	(Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driver) Truck # M81
Date:	Driver Signature:
2-1-22	fre
DISPOSAL SITE:	
Name of Disposal:	
Address:	Representative (1)
Date: 2-1-22	Signature:

Received by OCD: 9/12/2022 7:2 RENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	NA CINDY CRANE	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		
Facility: CRI					
Product / Service	NE F	Quanti	ty Units	1000	175 NJ W
Contaminated Soil (RCRA Exem	pt)	20	0.00 yards		
Generator Certification Stateme I hereby certify that according to the I 1988 regulatory determination, the ab X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field was characteristics established in RCRA ramended. The following documentation MSDS Information RCRA	Resource Conserve described was generated from a stee which is non egulations, 40 C	rvation and Recovery Act (RCRA) aste is: bil and gas exploration and product of the second record and product of the second record that are second record r	tion operations and ne minimum standa ous waste as define waste is non-haza	d are not mixed wi ards for waste haza d in 40 CFR, part rdous. (Check the	th non-exempt was rdous by 261, subpart D, as appropriate items)
Driver/ Agent Signature		R360 Representativ	e Signature		
1/12			25		
Customer Approval					
	ТН	IS IS NOT AN INVO	DICE!		
Approved By:		Date: _	14.		

t6UJ9A01M7GL Released to Imaging: 9/14/2022 2:27:35 PM

MANIFEST #	
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SHIPPIN	G FACILITY	NAME &	ADDRESS:

Company: Sundown

Address:

Project Lead: Cincly Crane

LOCATION OF MATERIAL:

Location: Bobbi State B Battery

Company:

Lea County, New Mexico

API#30-025-26954

TRANSPORTER NAME & ADDRESS:

McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240

DESCRIPTION OF WASTE:

Impacted Soil

Quantity:

ZOYARds

FACILITY CONTACT:

Date: 112-02.27

Contact Signature:

(Agent for ConocoPhillips)

NAME OF TRANSPORTER: (Driver)

Date:

2-2-27

Driver Signature:

Truck M83

DISPOSAL SITE:

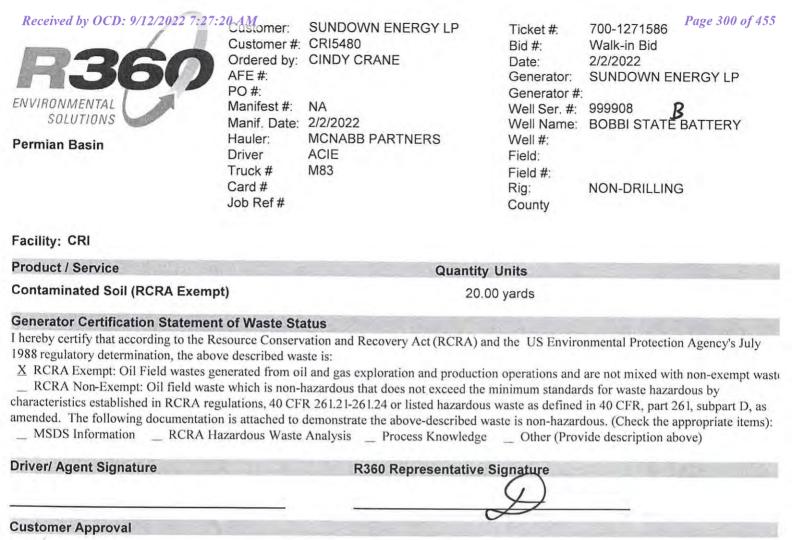
Name of Disposal:

Address:

Date:

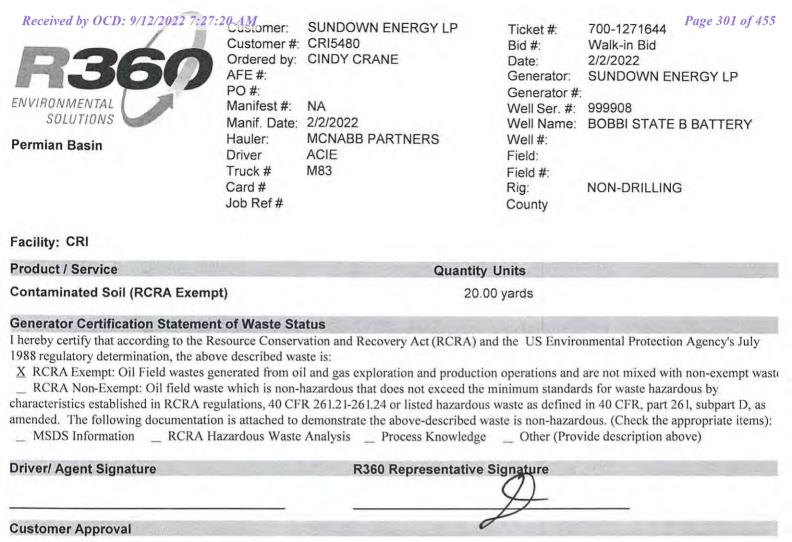
Representative Signature:

2-2-22



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Approved By: _____ Date:



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t6UJ9A01M819

	MANIFEST#
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sundown Address: Project Lead: Cindy Craw	ne .
LOCATION OF MATERIAL:	
Location: Bubbi State Company:	3 Battery
s	6000 18 R 36
Lea County, New Mexico	API #30-025-26984
TRANSPORTER NAME & ADDR	RESS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: ZOy
FACILITY CONTACT:	
Date: 07.02-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	ver)
Date: 02-02-22	Driver Signature: Namu Nevan
DISPOSAL SITE:	Daviel NEVANE
Name of Disposal: Address: Date:	Representative Signature:

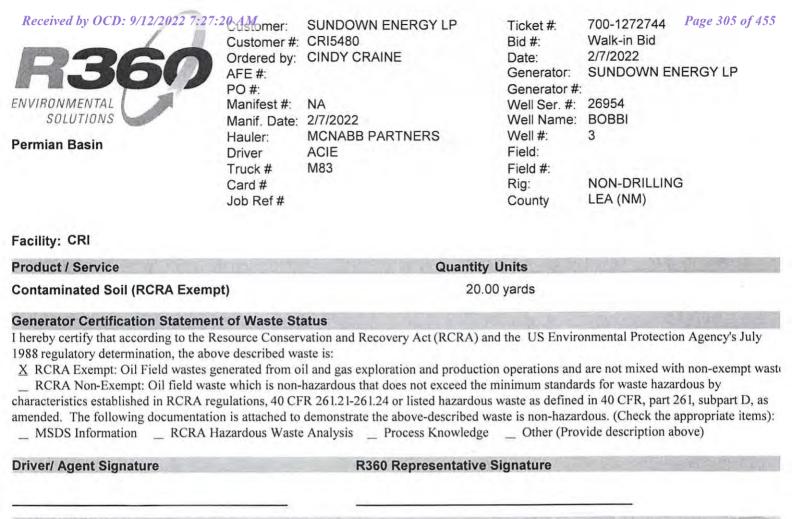
Received by OCD: 9/12/2022 7:27:20 AMomer: Page 303 of 455 SUNDOWN ENERGY LP Ticket #: 700-1271589 Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 2/2/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: NA 999908 Well Ser. #: SOLUTIONS Manif. Date: 2/2/2022 Well Name: **BOBBI STATE B BATTERY** Hauler: MCNABB PARTNERS Well #: Permian Basin Driver DANIEL Field: Truck # M85 Field #: **NON-DRILLING** Card# Rig: Job Ref# County Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

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Date:

t6UJ9A01M7YD Released to Imaging: 9/14/2022 2:27:35 PM

	MANIFEST #
SHIPPING FACILITY NAME	
Company: Sundown Address:	Gnergy
Address.	idy Crane
- C(V)	long charie
LOCATION OF MATERIAL:	
Location: ルタロロロ S Company:	tate 3
s_ 20	T_18 R_3(q
Lea County, New Mexico	
	IAPI # 30-025-26984
TRANSPORTER NAME & AL	
	551,200.
McNabb Partners	
4008 N. Grimes #270 Hobbs, NM 88240	
10000, 11111 002-10	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 20y
FACILITY CONTACT:	
Date: 42.7.7.7	Contact Signature:
Date: 02.7.22	(Agent for ConocoPhillips)
NAME OF TRANSPORTER:	(Driver)
Date:	Driver Signature:
2-7-22	Den Anghung TRuck M83
DISPOSAL SITE:	
Name of Disposal: Address:	
Date:	Representative
	Signature: C \\\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
2.7.22	-
2-7-22	2



THIS IS NOT AN INVOICE!

Date:

2/7/2022 10:31:57AM t6UJ9A01MA3F

Customer Approval

Received by OCD: 9/12/2022 7:27:20 A Momer: 700-1272809 Page 306 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 2/7/2022 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: 26954 ENVIRONMENTAL Manifest #: NA Well Ser. #: SOLUTIONS Manif. Date: 2/7/2022 Well Name: BOBBI Well #: Hauler: MCNABB PARTNERS 3 Permian Basin ACEI Field: Driver Truck # M83 Field #: NON-DRILLING Card # Rig: LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval**

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Date:

t6UJ9A01MA97 2/7/2022 1:19:48PM

	MANIFEST#
SHIPPING FACILITY NAME & AI	DDRESS:
Company: Sundown Energy Address: Project Lead: Cindy Crane	
LOCATION OF MATERIAL:	
Location: Bubble Company:	003
s	18 R 36
Lea County, New Mexico	API#30-25-26959
TRANSPORTER NAME & ADDR	
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE: Impacted Soil & Ontaminated Soil	Quantity: 20 Yards
FACILITY CONTACT:	
Date: 2 - 8 - 2022	(Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	ver)
Date: 2 - 8 - 22	Driver Signature: Teast 183
DISPOSAL SITE:	<u>C</u>

Name of Disposal:

Address:

Date:

Representative — Mulfinar Signature:

Received by OCD: 9/12/2022 7:27:20 A comer: Page 308 of 455 SUNDOWN ENERGY LP 700-1273140 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 2/8/2022 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 2/8/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver ACIE Field: Truck # M83 Field #: Card# NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

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Approved By: Date:

t6UJ9A01MAY0 2/8/2022 12:06:23PM

Received by OCD: 9/12/2022 7:27:20 AMomer: Page 309 of 455 SUNDOWN ENERGY LP 700-1273086 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 2/8/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO # Generator #: **ENVIRONMENTAL** Manifest #: NA Well Ser. #: 26954 SOLUTIONS Well Name: BOBBI Manif. Date: 2/8/2022 3 MCNABB PARTNERS Well #: Hauler: Permian Basin Field: Driver ACIE Truck # M83 Field #: NON-DRILLING Card# Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt; Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature

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Customer Approval

	MANIFEST #		
SHIPPING FACILITY NAME & A Company: Sundown Energy Address: Project Lead: CINDY Crane	DDRESS: API' 30-0	25-26954	
LOCATION OF MATERIAL: Location: Bobb, State Battery Company: Sundown Energy	B		
S T Lea County, New Mexico			-
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:		1
DESCRIPTION OF WASTE: Impacted Soil Cont.	Quantity: 20 yards	2 loan	3 (000
FACILITY CONTACT: Date: 3-7-22	Contact Signature: (Agent for ConocoPhillips)	ght	
NAME OF TRANSPORTER: (D	river)		
Date: 3 - 7 - 22	Driver Signature:	TRUCK	M 83
DISPOSAL SITE: Name of Disposal: \$\int 360\$ Address: Date: 3-7-22	Representative Signature:	56 141	m

700-1281389 Received by OCD: 9/12/2022 7:27:20 All mer: SUNDOWN ENERGY LP Ticket #: Page 311 of 455 Walk-in Bid Bid #: Customer #: CRI5480 3/7/2022 Date: Ordered by: CINDY CRANE SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 999908 NA Manifest #: **ENVIRONMENTAL** Well Name: BOBBI STATE BATTERY Manif. Date: 3/7/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: ACE Driver Field #: M83 Truck # NON-DRILLING Rig: Card# County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

t6UJ9A01MRC6 3/7/2022 9:22:16AM

700-1281478 Received by OCD: 9/12/2022 7:27:20 Assemer: SUNDOWN ENERGY LP Ticket #: Page 312 of 455 Walk-in Bid Bid #: Customer #: CRI5480 3/7/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 999908 Manifest #: NA **ENVIRONMENTAL** Well Name: BOBBI STATE BATTERY Manif. Date: 3/7/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: Driver ACE Field #: M83 Truck # NON-DRILLING Rig: Card# County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature

THIS IS NOT AN INVOICE!

Date:

t6UJ9A01MRI5

Approved By:

Customer Approval

Received by OCD: 9/12/2022 7:27:20 Amer: 700-1281560 Ticket #: Page 313 of 455 SUNDOWN ENERGY LP Walk-in Bid Bid #: Customer #: CRI5480 3/7/2022 Ordered by: CINDY CRAIN Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 999908 Well Ser. #: NA NVIRONMENTAL Manifest #: Well Name: **BOBBI STATE BATTERY** Manif. Date: 3/7/2022 SOLUTIONS Well #: MCNABB PARTNERS Hauler: Permian Basin Field: ACIE Driver Field # Truck # M83 NON-DRILLING Rig: Card # County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

Date:

t6UJ9A01MRMH 3/7/2022 2:32:16PM

MANIFEST # SHIPPING FACILITY NAME & ADDRESS: API! 30-025-26954 Company: Sundown Address: Project Lead: (Indy Crare LOCATION OF MATERIAL: Location: Bobb State Battery Lea County, New Mexico TRANSPORTER NAME & ADDRESS: McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240 **DESCRIPTION OF WASTE:** Quantity: 20 yards Impacted Soil **FACILITY CONTACT:** Date: 3 -11-22 Contact Signature: (Agent for ConocoPhillips) NAME OF TRANSPORTER: (Driver) Date: 3-11-22 Driver Signature: DISPOSAL SITE: Name of Disposal: R-360 Address: Representative Date: Signature:

700-1283008 Received by OCD: 9/12/2022 7:27:20 AsMomer: SUNDOWN ENERGY LP Ticket #: Page 315 of 455 Walk-in Bid Bid #: Customer #: CRI5480 3/11/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: 999908 Well Ser. #: Manifest #: N/A ENVIRONMENTAL **BOBBI STATE BATTERY** Well Name: Manif. Date: 3/11/2022 SOLUTIONS MCNABB PARTNERS Well #: Hauler: Permian Basin Field: JOSH Driver Field #: M75 Truck # NON-DRILLING Rig: Card # County Job Ref# Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Date: _____

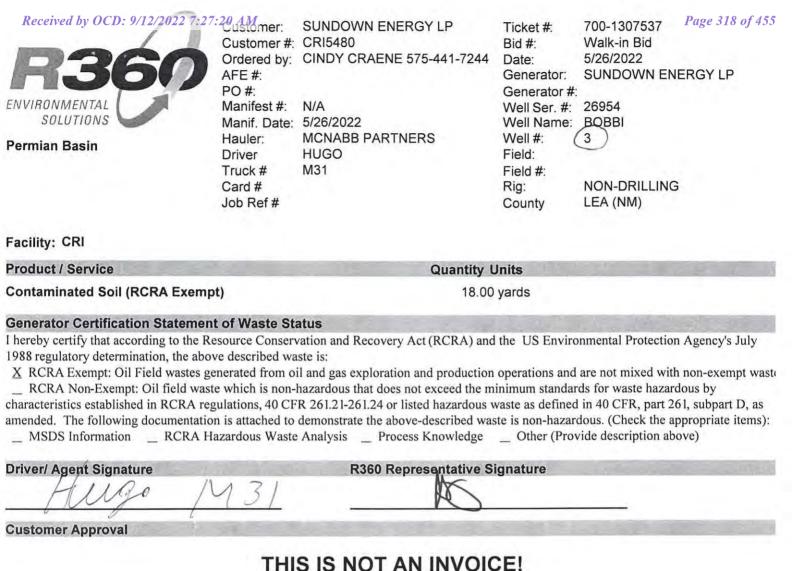
t6UJ9A01MUR2 3/11/2022 1:45:24PM

SHIPPING FACILITY NAME & ADDRESS: Company: Sundown Fnersy (875) Address: Buckeye Project Lead: Cindy ERAEINE 441-7244 LOCATION OF MATERIAL: Location: Bobb; State #1 #3 Company: Sundown
LOCATION OF MATERIAL: Location: Bobb; State #1 #3 Company: Surdous 2
Location: Bobbi State #1 #3 Company: Surdourn
215
s_20
Lea County, New Mexico
TRANSPORTER NAME & ADDRESS: 4024 4000
McNabb Partners
4008 N. Grimes #270 8 18 Y ARD 5
Hobbs, NM 88240 YARDS
DESCRIPTION OF WASTE:
Impacted Soil Quantity: 18 y d 5
FACILITY CONTACT:
Date: 5-26-77 Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driver) // 199
Date: 5-26.22 Driver Signature: Hugo M 31
DISPOSAL SITE:
Name of Disposal: R-360 Date: Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AMtomer: 700-1307624 Page 317 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 5/26/2022 Ordered by: CINDY ERAENE Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Well Ser. #: 26954 Manifest #: N/A SOLUTIONS Manif. Date: 5/26/2022 Well Name: BOBBI Well #: MCNABB PARTNERS LLC 3 Hauler: Permian Basin HUGO Field: Driver Truck # M 31 Field #: NON-DRILLING Card # Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approva**

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Approved By: Date:



t6UJ9A01O3O9 Released to Imaging: 9/14/2022 2:27:35 PM

N.	MANIFEST #
SHIPPING FACILITY NAME & AD	DRESS:
Company: Sundown Energy Address: Buckey Project Lead: Cindy Crane	
LOCATION OF MATERIAL: Location: Bobbi Stake # Company: Sundown Energy S T Lea County, New Mexico	3 185 R 36£
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	:55:
DESCRIPTION OF WASTE:	" /
Impacted Soil	Quantity: 204d5/20-765
FACILITY CONTACT:	3
Date: 5-77-72	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	rer) Truck #M81
Date: 5-27-22	Driver Signature:
DISPOSAL SITE:	
Name of Disposal: R- 300 Address: B- 27.22	Representative Signature:

Received by OCD: 9/12/2022 7:27: Received by OCD: 9/12/2022 7:27: PRIMARY AND THE SOLUTIONS Permian Basin	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1307901 Page 320 of 455 Walk-in Bid 5/27/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quantity	Units	200
Contaminated Soil (RCRA Exem	pt)		00 yards	
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the about X RCRA Exempt: Oil Field wastes go RCRA Non-Exempt: Oil field was characteristics established in RCRA reamended. The following documentation MSDS Information RCRA F Driver/ Agent Signature	desource Conserved was described was generated from o ste which is non-gulations, 40 CF on is attached to	vation and Recovery Act (RCRA) a stee is: il and gas exploration and production hazardous that does not exceed the R 261.21-261.24 or listed hazardou demonstrate the above-described was a steel and the steel and	on operations and minimum standar s waste as defined vaste is non-hazard Other (Prov	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):
Customer Approval	5 3] VS	- 10*	/	

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Approved By: _____ Date:

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Received by OCD: 9/12/2022 7:27:20 Alfomer: 700-1307948 Page 321 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/27/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: Well Ser. #: 26954 NA SOLUTIONS Manif. Date: 5/27/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

	MANIFEST #
SHIPPING FACILITY NAME & AL	DDRESS:
Company: Swandown Energy Address: Nuckye Project Lead: Cindy Crare	
LOCATION OF MATERIAL: Location: \$ Bobb; State # Company: Gudow Energy T_	3 185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR	ESS:
McNabb Partners	
4008 N. Grimes #270	
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	135 M76
Impacted Soil	Quantity: 20 yds 20 yds
FACILITY CONTACT:	
Date: 5-27-22	Contact Signature: (Accord Legent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	ver) Josh
Date: 5,27-72	Driver Signature:
DISPOSAL SITE:	Y
Name of Disposal: 2-36	20
Address: Date:	Representative ————————————————————————————————————
	NAME OF THE PROPERTY OF THE PR

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1307890 Page 323 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/27/2022 AFE # SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/27/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS LLC Well #: Permian Basin Driver JOSH Field: Truck # M76 Field #: Card # Ria: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature

Customer Approval

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Approved By: _____ Date:

t6UJ9A01O4BC

Received by OCD: 9/12/2022 7:27:20 Aftomer: Page 324 of 455 SUNDOWN ENERGY LP 700-1307939 Ticket #: Customer #: CRI5480 Bid # Walk-in Bid Ordered by: CINDY CANE Date: 5/27/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/27/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS LLC Well #: Permian Basin Driver JOSH Field: Truck # M 76 Field #: Card # NON-DRILLING Ria: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Cond. %Solids TDS PCI/GM MR/HR H₂S % Oil Weight Lab Analysis: 0.00 0.00 0.00 Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval** THIS IS NOT AN INVOICE! Approved By: Date:

	MANIFEST #
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: cind Crane	į.
LOCATION OF MATERIAL: Location: Bobbi 5 ta te #3 Company: Sundawn Energy S	185 R 76E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	ESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: / 8
FACILITY CONTACT:	
Date: 5-27-72	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	ver) Joe Truck-34
Date: 5-27-22	Driver Signature: Bob Dum
DISPOSAL SITE:	
Name of Disposal: Address:	
Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 Received by OCD: 9/12/2022 7:27:20 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer: Customer #: Ordered by: AFE #: PO #: Manifest #: Manif. Date: Hauler: Driver Truck # Card # Job Ref #	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1307888 Page 326 of 455 Walk-in Bid 5/27/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quantit	y Units	
Contaminated Soil (RCRA Exemp	t)	18.	00 yards	
Generator Certification Statement I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA Ha	esource Conserve described was nerated from o e which is non- ulations, 40 CF in is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardou demonstrate the above-described	ion operations and e minimum standar us waste as defined waste is non-hazar	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representative	Signature	
Customer Approval		-/0		

Customer Approval

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Approved By:	Date:	
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N	IANIFEST #
SHIPPING FACILITY NAME & AD Company: Sundawn Energy Address: Buckey Project Lead: Lindy Crane	DRESS:
LOCATION OF MATERIAL: Location: Bobbi State #3 Company: Gundown Energy S	18S R 36E
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	SSS:
DESCRIPTION OF WASTE: Impacted Soil	Quantity: 204/5/20-129/20-4/5
FACILITY CONTACT: Date: 5-3/-72	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	er) Truck #M81
Date: 5-3/-12	Driver Signature:
DISPOSAL SITE: Name of Disposal: P360 Address: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 15 tomer: Page 328 of 455 SUNDOWN ENERGY LP 700-1309225 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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Approved By: _____ Date:

Received by OCD: 9/12/2022 7:27:20 Almomer: Page 329 of 455 SUNDOWN ENERGY LP 700-1309189 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 5/31/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOSE Field: Truck # M81 Field #: Card # Ria: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Approved By: _____ Date:

Received 1	y OCD: 9/1 2	2/2022 7:27:2	20 AMEW MEXICO	NON-HAZ	ARDOUS OIL	FIELD WASTE	MANIFEST	7110	any Man Contact Information
ENVIRONMENTAL EDLUTIONS				(P	LEASE PRIN	I de la constant	of the warde	Name (* []) Phone No.	ay crave
				GE	NERAT)P	-		
Operator No.	DUV	10 cum E	nergu	and the second	INEINA I	Permit/RRC No.	erit sbizo19	NO. 577	383
Operators Name	i in the v		3			Lease/Well	Bohl	hi State	Add South
Address				marthos		Name & No.	mark marks	MINISTER FOR THE STATE OF STAT	или- ой епопи
The second secon						API No.	o stranov be	CHART HIT GOLVERY	-,07-100000000
City, State, Zip		STREET, STREET	The State of the Party of the P	etta or s eeta		Rig Name & No.	arti f or garager de	g giliyoy be parada	CONTROVERSION OF THE PROPERTY
Phone No.		15-11-14-11-15-16		77 1 1 1 1 1 1 1		AFE/PO No.			obveril-ymapi-
		EXEMPT E 8.D M/s	erta/Carries Identifia	officer and A		TOTAL CONTRACTOR IN			AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS
Oil Based Muds		EXEMPT EXP WA	ste/Service Identifica		ount (place vi	nume next to w	aste type in bar		THE RESERVE THE PROPERTY OF THE PARTY OF THE
Oil Based Cutting		Parameter and the	Washout Water (Non-	Injectable)	0.4500-001-001-001	Managara San	Washout Water	THE RESIDENCE OF THE PARTY OF T	
Water Based Mu Water Based Cu		-	Completion Fluid/Flow Produced Water (Non-	back (Non-Inje	ctable)	ewinds and or		d/Flow back (Injectable)	orti – oran a te sastra gio
Produced Forma			Gathering Line Water/		ectable)	-	Produced Water Gathering Line V	r (Injectable) Water/Waste (Injectable	
Tank Bottoms E&P Contaminat	ed Soil	-	INTERNAL USE ONLY					WASTES (type and general	
Gas Plant Waste			Truck Washout (exemp	ot waste)		ialtalamos jan	tigito acti no ba		ortstonea lattini
WASTE GENER	ATION PROCESS	profitor is	DRILLING - W COMP	C	OMPLETION	Listenana	PRODUCTION	AGE ALTERNATION GAT	THERING LINES
The Indiana		non available for	NON-EX	EMPT E&P Was	te/Service Iden	tification and Amo	ount		
Non-Exempt Other		non-exempt E&P W	aste must be analysed a	ind be below th	e threshold lim	The state of the s			20 可以的主义的的自己的
Horr Exempt out		Victoria de la companya de la compan				*please select fr	om Non-Exempt V	Naste List on back	
QUANTITY	01			ARRELS		L - LIQUID		Y - YARDS	E - EACH
I hereby certify the load is (Check the	nat according to the appropriate class	e Resource Conservification)	ration and Recovery Act	(RCRA) and the	US Environme	ntal Protection Ag	ency's July 1988 re	egulatory determination,	the above described waste
RCRA EXE		Oil field wastes ge	nerated from oil and ga				not mixed with no	on-exempt waste (R360 /	Accepts certifications on a per
D DCDA NO	N-EXEMPT:	load basis only)	leb te was based as at		nd materials		J MILI PLIKW JA	пиотния вистор вт.	
L RCRA NO	IN-EXEIVIPT:	261.21-261.24, or	listed hazardous waste	as defined by 4	o CFR, part 261	m standards for w	aste hazardous by ended. The followi	characteristics establish	ed in RCRA regulations, 40 CFR onstrating the waste as non-
		hazardous is attac	hed. (Check the appropr	riate items as pi	rovided)			and the second second	Todating the waste as non-
		MSDS Information	RCRA	Hazardous Wa	ste Analysis		Other (Provide D	escription Below)	
-	ministration in the last	cooling on month to the				The large trans			
EMERGEN	CY NON-OILFEILD:	Emergency non-haddetermination and	azradous, non-oilfeild wa d a desciption of the was	aste that has be	en ordered by	the Department o	f Public Safety (the	order, documentation of	of non-hazardous waste
A Kinical Immi	Manual pressors	or Min to the			hun	integral of			
(PRIN	T) AUTHORIZED AGENTS	NAME	AND THE RESIDENCE PROPERTY.			ATE	Barren Carrie	SIGNATURE	
		H. H. SCHILL CHARLES FOR		TRA	NSPORT	ER	,		Skinger and rateman in a
Transporter's Name	mana	ph D	WHOVS			Driver's Name	100	1,000	Index beauty to the control of the c
Address	1111111		HIIVI			Print Name	- CUT		The supply of th
	and the second	nidimen me de				Phone No.			
Phone No.						Truck No.	10081		THE RESERVE THE PARTY OF THE PA
I hereby certify th	at the above name	ed material(s) was/s	were picked up at the Gu	enerator's site I			t incident to the di	isposal facility listed belo	
		0.31		A A A A	Sted booke and	delivered withou	it mederic to the di	isposal facility listed belo	We have not removed by the party
SHIPME	NT DATE		DRIVER'S SIGNATURE			DELIVE	RY DATE	DRIVE	ER'S SIGNATURE
	TRUCK TIN	ME STAMP	10/02/01	DISPO	SAL FAC	ILITY	1	RECEIVING	AREA
IN:		OUT:					Nam		mulitaquage v
Site Name/	1000						L	c/110. O 6	Transactive and the second
Permit No.	Halfway Facility /	NM1-006				Phone No.	575-393-1079		+ American American
Address	6601 Hobbs Hwy I	US 62/180 Mile Mai	rker 66 Carlsbad, NM 88	220					
	ORM READINGS TA THE PAINT FILTER T		YES	NO	CHEST SPECIAL SECTION		ng > 50 micro roent	tgens? (circle one)	YES NO
FA33 1	THE PAINT FILTER I	restr (Circle One)	YES	TAND	N N	O AC			control to by COSH 40
	Fe	et	Inches	TANK	BUILC	IVIS			
1st Gauge			menes	ox and how	niber ender.	BS&	W/BBLS Received	B	S&W (%)
2nd Gauge					to many June	The state of the s	Free Water	China de chene mort l	ovomus algeritimus
Received			insuate	n bur saculty	and the state of t	and market	Total Received	In Designation stells	cadin to bit most it.
I hereby certify	that the above loa	ad material has bee	n (circle one):	CEPTED	DENIED	If denied, why?		AND IS CONSCIOUS ACCUSANCE.	
	1		5.31-5	7	000	a serieu, wilyr		Sun had person	mort to others measure
	NAME (PRINT)		DATE		1 Cll	LE.		SIGNATURE	
					111		my with ombassemini	SAUTANDIC	

Received H369	Ty OCD: 9/12/2022 7:27:.	20 AM EW MEXICO NON-HAZARDO	OUS OILFIELD WASTE I	MANIFEST Company	Page 331 of 455 Man Contact Information
SOLUTIONS SOLUTIONS			The Later Company	Phone No.	7
Operator No.	Sundume	TOTAL GENE	RATOR Permit/RRC No.	No. 5773	83
Operators Nam		Arch Co.	Lease/Well	Bonni Stale -	113
Operators Nar Address	ne	The state of the s	Name & No.	DUDIDI DILAT =	4
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City, State, Zip Phone No.		The state of the s	Rig Name & No.		
r none no.		77.7	AFE/PO No.		
Oil Based Muc	ds EXEMPT E&P Wa	aste/Service Identification and Amount	(place volume next to wa		
Oil Based Cutt		NON-INJECTABLE WATERS Washout Water (Non-Injectable)		INJECTABLE WATERS Washout Water (Injectable)	
Water Based I		Completion Fluid/Flow back (Non-Injectable	2)	Completion Fluid/Flow back (Injectable)	
Water Based (Produced Form		Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectab		Produced Water (Injectable)	
Tank Bottoms		INTERNAL USE ONLY	e)	Gathering Line Water/Waste (Injectable) OTHER EXEMPT WASTES (type and generation p	rocess of the wastel
E&P Contamin		Truck Washout (exempt waste)		THE PROPERTY AND ADDRESS OF THE PARTY AND ADDR	
Gas Plant Was	ERATION PROCESS:	DRILLING COMP	LETION	PRODUCTION GATHE	RING LINES
	A STANDARD WITH A STANDARD BY	NON-EXEMPT E&P Waste/Se	rvice Identification and Amo	unt	
New Property and a second		vaste must be analysed and be below the thre	eshold limits for toxicity (TCL	P), Ignitability, Corrosivity and Reactivity.	
Non-Exempt O	ther		*please select fro	m Non-Exempt Waste List on back	
QUANTITY	20	B - BARRELS	L - LIQUID	Y - YARDS	E - EACH
I hereby certify	y that according to the Resource Conser the appropriate classification)	vation and Recovery Act (RCRA) and the US E	nvironmental Protection Age	ency's July 1988 regulatory determination, the	above described waste
00/	EXEMPT: Oil field wastes go	nerated from oil and gas exploration and pro	duction operations and are	not mixed with non-exempt waste (R360 Acce	pts certifications on a per
	load basis only) NON-EXEMPT: Oil field waste wh			aste hazardous by characteristics established in	
☐ EMERGE	hazardous is attac MSDS Information MSDS Information Emergency non-h	hed. (Check the appropriate items as provide RCRA Hazardous Waste A	d) alysis dered by the Department of	ended. The following documentation demonstration of no Public Safety (the order, documentation of no	
(PE	RINT) AUTHORIZED AGENTS NAME.		DATE	SIGNATURE	AND THE RESERVE
		TRANS	PORTER		A THE STATE OF THE
Transporter's Name	Mallabb D	WHINS	Driver's Name	150	
Address		THE RESERVE OF THE PARTY OF THE	Print Name		
	Water Block to Color Street	The state of the s	Phone No.		
Phone No.	and the second second second second	A STATE OF THE PARTY OF THE PAR	Truck No.	INDE	
I hereby certify	that the above named material(s) was/	were picked up at the Generator's site listed		t incident to the disposal facility listed below	a winty formation
				- AL	The section of the se
SHIP	MENT DATE	DRIVER'S SIGNATURE	DELIVER	Y DATE DRIVER'S S	IGNATURE
	TRUCK TIME STAMP	DISPOSA	FACILITY	RECEIVING AR	REA
IN:	OUT:			Name/No.	
Site Name/		The state of the s		italie/ita.	
Permit No.	Halfway Facility / NM1-006		Phone No.	575-393-1079	
Address	6601 Hobbs Hwy US 62/180 Mile Ma	rker 66 Carlsbad, NM 88220	Sertificación de la company		
	NORM READINGS TAKEN? (Circle One)	YES NO	If YES, was reading	g > 50 micro roentgens? (circle one)	S NO
PAS	SS THE PAINT FILTER TEST? (Circle One)	YES	NO		
	Feet	TANK BO	DITOMS	managementaling of the filters	for beattimes v
1st Gauge		Steps and	B5&\	W/BBLS Received BS&V	V (%)
2nd Gauge			orchity was a state of	Free Water	Contraction of the
Received		12 1000		Total Received	
I hereby cert	tify that the above load material has be	en (circle one): ACCEPTED DEN	IED If denied, why?		
		E 5 10 27 mm m 0	P	18	THE REPORT OF THE PARTY OF THE
والمراجع والمراجع المراجع المر	NAME (PRINT)	DATE	TITLE	SIGNATURE	
				Action (Maryle Control	

Received by OCD: 9/12/2022 7:27:20 AMEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Mar Page 332 of 455 Name Phone No GENERATOR NO IN YOUR ELYCOL Operator No. Lease/Well Name & No Operators Name Address County API No Rig Name & No. City, State, Zip AFF/PO No Phone No. EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards Washout Water (Injectable) Oil Based Cuttings Completion Fluid/Flow back (Injectable) Water Based Muds Completion Fluid/Flow back (Non-Injectable) Produced Water (Injectable) Water Based Cuttings Produced Water (Non-Injectable) **Produced Formation Solids** Tank Bottoms E&P Contaminated Soil Fruck Washout (exempt waste) Gas Plant Waste **GATHERING LINES** COMPLETION PRODUCTION WASTE GENERATION PROCESS DRILLING NON-EXEMPT F&P Waste/Service Identification and Amo All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability *please select from Non-Exempt Waste List on back Non-Exempt Othe E-EACH L-LIQUID Y - YARDS QUANTITY B - BARRELS I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) RCRA Hazardous Waste Analysis Other (Provide Description Below) Emergency non-hazradous, non-oilfeild waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazradous waste **EMERGENCY NON-OILFEILD:** determination and a desciption of the waste must accompany this form) (PRINT) AUTHORIZED AGENTS NAM TRANSPORTER Transporter's Driver's Name Name Print Name Address Phone No. Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below DRIVER'S SIGNATURE DELIVERY DATE SHIPMENT DATE DISPOSAL FACILITY RECEIVING AREA TRUCK TIME STAMP Name/No IN: OUT: Site Name/ Phone No. Halfway Facility / NM1-006 575-393-1079 Permit No. Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 NORM READINGS TAKEN? (Circle One) If YES, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES Inches Feet 1st Gauge BS&W/BBLS Receive BS&W (% 2nd Gauge Free Wat Received

ACCEPTED

DENIED

If denied, why

I hereby certify that the above load material has been (circle one):

SIGNATURE

TRANSPORTER'S MANIFEST

	MANIFEST#
SHIPPING FACILITY NAME & A	ADDRESS:
Company: Sundown Ener Address: Buckeye Project Lead: Cindy Cran	e e
LOCATION OF MATERIAL: Location: Bobbi State # Company: Surboun	185 B 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADD	RESS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 20495
FACILITY CONTACT:	δ
Date: 5.31-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (D	river)
Date: 5-31-27	Driver Signature: Will M-80
DISPOSAL SITE:	
Name of Disposal: 2360 Address: Date:	Representative Signature:

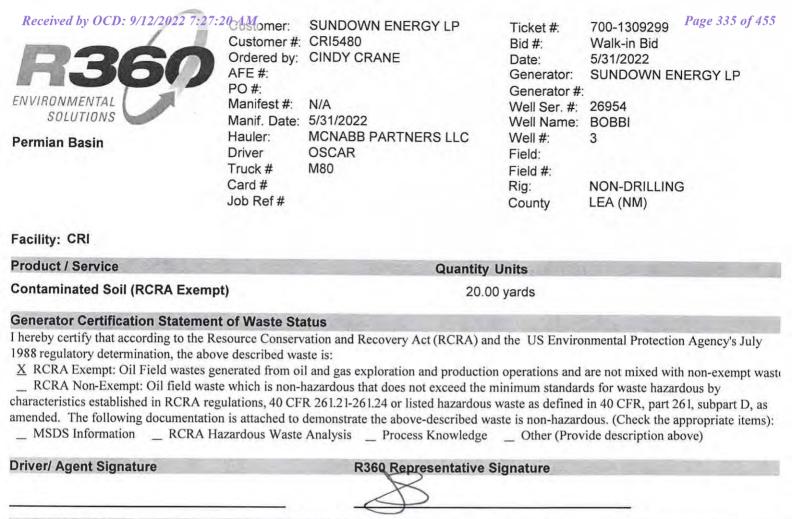
Released to Imaging: 9/14/2022 2:27:35 PM

700-1309251 Page 334 of 455 Received by OCD: 9/12/2022 7:27:20 dMstomer: SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid # Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator # Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver URIEL Field: Truck # M80 Field #: Card # Ria: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Date:



THIS IS NOT AN INVOICE!

Date:

Customer Approval

APJ# 30-025-26954

	MANIFEST #
SHIPPING FACILITY NAME & AL	DDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL: Location: Bobbi State # Company: Sundown Energy S	3 185 _R 36E
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE: Impacted Soil	Quantity: 20 xd 5
FACILITY CONTACT: Date: 5-3(-22)	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Drive	er) Truck 74
Date: 5-3/-22	Driver Signature: To e
DISPOSAL SITE:	Λ
Name of Disposal: Address: Q360 Date: 530	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 dMstomer; Page 337 of 455 SUNDOWN ENERGY LP 700-1309196 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: Permian Basin 3 Driver JOE Field: Truck # 76 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01O6D5

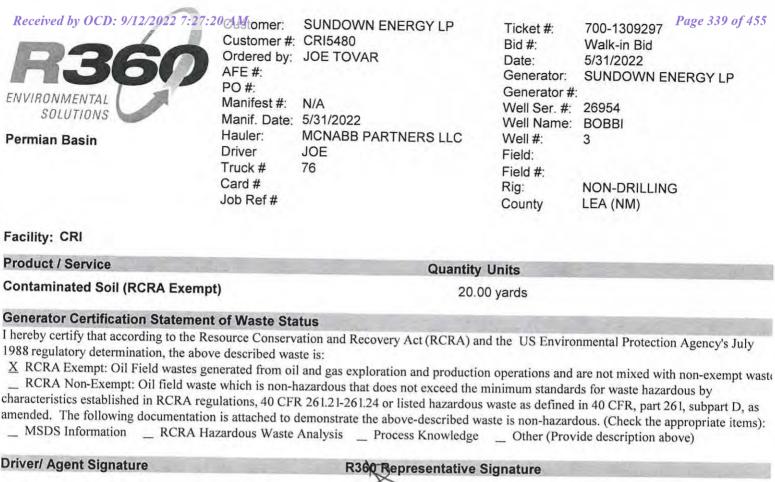
5/31/2022 9:02:04AM

Received by OCD: 9/12/2022 7:27:20 & Mstomer: Page 338 of 455 SUNDOWN ENERGY LP 700-1309229 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE # SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Permian Basin Well #: 3 Driver JOE Field: Truck # M76 Field #: Card # Rig: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge ____her (Provide description above) **Driver/ Agent Signature** R360 Representative Signature

Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date:



Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: ____

	MANIFEST #
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crone	
LOCATION OF MATERIAL:	
Location: Bobbi State #3 Company: Sundown Energy S_ 20 T_	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:
DESCRIPTION OF WASTE:	1st level 3rd
Impacted Soil	Quantity: 20 yds 20 vds
FACILITY CONTACT:	
Date: 5-31-72	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	iver) M75
Date: 5-31-22	Driver Signature: Josh Bushy
DISPOSAL SITE:	
Name of Disposal:	
Address: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AMEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST Phone No GENERATOR NO Operator No. Permit/RRC No. Lease/Well Operators Name Name & No Address County API No. City, State, Zip Rig Name & No. Phone No. AFF/PO No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds NON-INJECTABLE WATERS Oil Based Cuttings Washout Water (Non-Injectable) Washout Water (Injectable) Water Based Muds Completion Fluid/Flow back (Non-Injectable) Completion Fluid/Flow back (Injectable) Water Based Cuttings Produced Water (Non-Injectable) Produced Water (Injectable) Produced Formation Solids Gathering Line Water/Waste (Non-Injectable Sathering Line Water/Waste (Injectable Tank Bottoms E&P Contaminated Soil Truck Washout (exempt waste) Gas Plant Waste WASTE GENERATION PROCESS DRILLING COMPLETION PRODUCTION GATHERING LINES NON-EXEMPT E&P Waste/Service Identification exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity Non-Exempt Other *please select from Non-Exempt Waste List on back QUANTITY B - BARREIS L-LIQUID Y - YARDS E-EACH I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) Emergency non-hazradous, non-oilfeild waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazardous waste EMERGENCY NON-OILFEILD determination and a desciption of the waste must accompany this form) TRANSPORTER Transporter's Driver's Name Name Address Print Name Phone No Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHIPMENT DATE DELIVERY DATE DRIVER'S SIGNATURE TRUCK TIME STAMP DISPOSAL FACILITY RECEIVING AREA IN: OUT: Name/No. Site Name/ Phone No. Halfway Facility / NM1-006 Permit No. 575-393-1079 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 NORM READINGS TAKEN? (Circle One If YE5, was reading > 50 micro roentgens? (circle one) YES NO PASS THE PAINT FILTER TEST? (Circle One) YES Inches 1st Gauge BS&W/BBLS Received BS&W (%) 2nd Gauge Received Total Received I hereby certify that the above load material has been (circle one) DENIED If denied, why? NAME (PRINT) SIGNATURE

Received by OCD: 9/			(PLEASE PRIN		WINTED I	Name ()	any Na Paska 34 260 A
SOLUTIONS C						Phone No.	A Commonweak
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n-Exempt Other				*please select fro	om Non-Exempt Wast	e List on back	
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ereby certify that according to d is (Check the appropriate cl		vation and Recovery Act (RCR	RA) and the US Environme	ental Protection Age	gency's July 1988 regula	itory determination	, the above described was
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			es not exceed the minimi	im standards for wa			red in Herit regulations, 70
	261.21-261.24, or	listed hazardous waste as de	efined by 40 CFR, part 26	im standards for wa	ended. The following of	ocumentation dem	onstrating the waste as no
	261.21-261.24, or	listed hazardous waste as de	efined by 40 CFR, part 263	in standards for wa	ended. The following d	ocumentation dem	onstrating the waste as no
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Insporter's me dress one No. SHIPMENT DATE TRUCK T Re Name/ mit No. Halfway Facilit NORM READINGS	261.21-261.24, or hazardous is attac MSDS Information MSDS Information D: Emergency non-h determination and determination and MSDS Information and determination and determina	listed hazardous waste as de ched. (Check the appropriate in RCRA Hazardous, non-oilfeild waste in a desciption of the waste must be recovered by the General DRIVER'S SIGNATURE	that has been ordered by that has been ordered by that has been ordered by that accompany this form TRANSPOR TRANSPOR ATTRANSPOR ATTRANSPOR ATTRANSPOR ATTRANSPOR ATTRANSPOR	the Department of) TER Driver's Name Print Name Phone No. Truck No. and delivered withou DELIVER CILITY	Other (Provide Descr f Public Safety (the ord ut incident to the dispo	sal facility listed bel	onstrating the waste as no of non-hazardous waste
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ansporter's ame ddress none No. SHIPMENT DATE TRUCK TO	261.21-261.24, or hazardous is attac MSDS Information MSDS Information MSDS Information and determination and determination and material (s) was/	listed hazardous waste as de ched. (Check the appropriate in RCRA Hazardous, non-oilfeild waste to did a desciption of the waste must be did not be did	that has been ordered by that has been ordered by that has been ordered by that accompany this form TRANSPOR TRANSPOR TANK BOTT	the Department of TER Driver's Name Print Name Phone No. Truck No. ad delivered without DELIVER CILITY Phone No. If YES, was readin NO DIVIS BS&	Other (Provide Description of Public Safety (the order of	ption Below) ler, documentation SIGNATURE sal facility listed below. RECEIVING No.	onstrating the waste as not of non-hazardous waste low. IOW: VER'S SIGNATURE AREA
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Received by OCD: 9/12/2022 7:27:20 AMEW MEXICO NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man (See 343 of 455 (PLEASE PRINT) Phone No. **GENERATOR** NO Operator No Permit/RRC No. Lease/Well Operators Name Name & No. Address County API No City, State, Zip Rig Name & No. Phone No AFE/PO No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Cuttings Completion Fluid/Flow back (Non-Injectable) Water Based Muds Completion Fluid/Flow back (Injectable) Water Based Cuttings Produced Water (Non-Injectable) Produced Water (Injectable) Produced Formation Solids Tank Bottoms E&P Contaminated Soil ruck Washout (exempt waste) WASTE GENERATION PROCESS DRILLING COMPLETION PRODUCTION **GATHERING LINES** NON-EXEMPT E&P Waste/Service Identification and Amo All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Reactivity Non-Exempt Other *please select from Non-Exempt Waste List on back OLIANTITY B - BARRELS L-LIQUID Y - YARDS E - EACH I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste load is (Check the appropriate classification) Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below) Emergency non-hazradous, non-oilfeild waste that has been ordered by the Department of Public Safety (the order, documentation of non-hazradous waste EMERGENCY NON-OILFEILD: determination and a desciption of the waste must accompany this form) TRANSPORTER Transporter's Driver's Name Name Address Print Name Phone No Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below SHIPMENT DATE DRIVER'S SIGNATURE TRUCK TIME STAMP **DISPOSAL FACILITY** RECEIVING AREA IN: OUT: Name/No Site Name/ Phone No. Halfway Facility / NM1-006 Permit No 575-393-1079 Address 6601 Hobbs Hwy US 62/180 Mile Marker 66 Carlsbad, NM 88220 NORM READINGS TAKEN? (Circle One) NO If YES, was reading > 50 micro roentgens? (circle one) NO PASS THE PAINT FILTER TEST? (Circle One) YES 1st Gauge 2nd Gauge Received Total Receive I hereby certify that the above load material has been (circle one) ACCEPTED DENIED If denied, why? NAME (PRINT) DATE

Received by OCD: 9/12/2022 7:27:20 All tomer: Page 344 of 455 SUNDOWN ENERGY LP 700-1309218 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 5/31/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: **BOBBI** Hauler: MCNABB PARTNERS Well #: Permian Basin Driver JOSH Field: Truck # M75 Field #: Card # Rig: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

Received by OCD: 9/12/2022 7:27:20 AM tomer: 700-1309181 Page 345 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 5/31/2022 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI MCNABB PARTNERS Well #: Hauler: 3 Permian Basin Driver JOSH Field: Truck # M75 Field #: NON-DRILLING Card # Ria: Job Ref# LEA (NM) County Facility: CRI **Quantity Units** Product / Service Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Date:

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Page 346 of 455 API#30-025-26954

N	IANIFEST #
SHIPPING FACILITY NAME & AD	DRESS:
Company: 9 mdown Energy Address: Buckeye Project Lead: Condy Crane	
LOCATION OF MATERIAL:	
Company: Sandown Inergy S_ZOT	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDRE	ess:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 10 4ds
FACILITY CONTACT:	
Date: 5-31-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	er) M#02
Date: 5.31-22	Driver Signature:
DISPOSAL SITE:	
Name of Disposal: 15 6 0 0 Address:	- ///
Date: 15 21 22	Representative

Received by OCD: 9/12/2022 7:27:20 AMstomer: Page 347 of 455 SUNDOWN ENERGY LP 700-1309287 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE # Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS LLC Well #: 3 Permian Basin Driver RAY Field: Truck # M02 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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Approved By: Date:

t6UJ9A01O6LR

Received by OCD: 9/12/2022 7:27:20 AMstomer: Page 348 of 455 SUNDOWN ENERGY LP 700-1309233 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 5/31/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A 26954 Well Ser. #: SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: Permian Basin Driver RAY Field: Truck # M₀2 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

Approved By: _____ Date: ____

Received by OCD: 9/12/2022 7:27:20 eMstomer: Page 349 of 455 SUNDOWN ENERGY LP 700-1309194 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 5/31/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO # Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 5/31/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver RAY Field: Truck # M02 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval** THIS IS NOT AN INVOICE!

Date:

SHIPPING FACILITY NAME & ADDRESS: Company: Sindown Energy Address: Day Royal Project Lead: Cindy Crane LOCATION OF MATERIAL: Location: Bobbi Stade # 3 Company: Sudown d Energy S	5-2
LOCATION OF MATERIAL: Location: Bobbi State # 3 Company: Sud awn d Energy S	
Location: Bobbi State # 3 Company: Sudown d Energy S	
Company: Suddwn d Energy S	
Lea County, New Mexico TRANSPORTER NAME & ADDRESS: McNabb Partners 4008 N. Grimes #270	
TRANSPORTER NAME & ADDRESS: McNabb Partners 4008 N. Grimes #270	
McNabb Partners 4008 N. Grimes #270	
4008 N. Grimes #270	_
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil Quantity: 20 yd S	
FACILITY CONTACT:	
Date: 6-1-27 Contact Signature: (Agent for ConocoPhillips)	2
NAME OF TRANSPORTER: (Driver)	
Date: 6-1-22 Driver Signature:	
DISPOSAL SITE:	-
Name of Disposal:	
Address:	
Date: Representative Signature:	

Received by OCD: 9/12/2022 7:27:20 Received by OCD: 9/12/2022 7:27:20 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1309587 Page 351 of 455 Walk-in Bid 6/1/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)	
Facility: CRI					
Product / Service		Quantity	/ Units		
Contaminated Soil (RCRA Exempt)		20.00 yards			
Generator Certification Statement I hereby certify that according to the Re 1988 regulatory determination, the abov X RCRA Exempt: Oil Field wastes ge RCRA Non-Exempt: Oil field waste characteristics established in RCRA reg amended. The following documentation MSDS Information RCRA Ha	source Conserve described was nerated from one which is non- ulations, 40 CF in is attached to	vation and Recovery Act (RCRA) a ste is: il and gas exploration and producti hazardous that does not exceed the R 261.21-261.24 or listed hazardou demonstrate the above-described variables Process Knowledge	on operations and minimum standar is waste as defined waste is non-hazarde Other (Prov	are not mixed with non-exempt was ds for waste hazardous by in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items):	
Driver/ Agent Signature		R360 Representative	Signature		
Customer Approval					

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Approved By: _____ Date: ____

t6UJ9A01O73O

	TRANSPORTER'S MANIFEST AP I # 30-025 2695
SHIPPING FACILITY NAME &	ADDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL:	
Location: Bobb 1 State #3 Company: Sundown Energy	185 R 36E
S	163 R 36L
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS: 3 10005
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: $20ydS$
FACILITY CONTACT:	
Date: 6-1-2 Z	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (D	Driver) Joe End Dump Driver Signature: Trock 76
Date: 6-1-22	Driver Signature: Trock 76
DISPOSAL SITE:	
Name of Disposal: 2360	
Address: Date: 6 /1 /2/2	Representative Signature:
7 / / 5	Signature.

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 353 of 455 SUNDOWN ENERGY LP 700-1309596 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/1/2022 AFE #: SUNDOWN ENERGY LP Generator: PO # Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/1/2022 Well Name: **BOBBI** Hauler: MCNABB PARTNERS LLC Well #: 3 Permian Basin Driver JOE Field: 76 Truck # Field #: Card # NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature**

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Date:

t6UJ9A01O74L Released to Imaging: 9/14/2022 2:27:35 PM

Customer Approval

Received by OCD: 9/12/2022 7:27:20 AMstomer: Page 354 of 455 SUNDOWN ENERGY LP 700-1309654 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/1/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/1/2022 Well Name: BOBBI MCNABB PARTNERS LLC Hauler: Well #: Permian Basin Driver JOE Field: Truck # 76 Field #: Card # Ria: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval**

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Approved By: Date:

t6UJ9A01O78N 6/1/2022 11:11:03AM

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1309733 Page 355 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/1/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/1/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver JOE Field: M76 Truck # Field #: Card # NON-DRILLING Ria: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Date:

API# 30-025-26954

MANIFEST#				
SHIPPING FACILITY NAME Company: Sundowy				
Company: Sundow W Address: Buckeye Project Lead: Cindy Cra	7-1			
LOCATION OF MATERIAL: Location: Bobb. State Company: Sundown Ener	#3 \$ 185 R 36F			
Lea County, New Mexico				
TRANSPORTER NAME & A	DDRESS:			
McNabb Partners				
4008 N. Grimes #270				
Hobbs, NM 88240				
DESCRIPTION OF WASTE:				
Impacted Soil	Quantity: 15 yds			
FACILITY CONTACT:				
Date: 6-1-72	Contact Signature: (Agent for ConocoPhillips)	-		
NAME OF TRANSPORTER	: (Driver)			
Date: 6-1-22	Driver Signature: M-33			
DISPOSAL SITE:				
Name of Disposal:				
Address:	A			
Date:	Representative Signature:			

Received by OCD: 9/12/2022 7:27:20 AMstomer: Page 357 of 455 SUNDOWN ENERGY LP Ticket #: 700-1309687 Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/1/2022 AFE #: Generator: SUNDOWN ENERGY LP PO # Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/1/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver **JESUS** Field: Truck # M33 Field #: Card # Ria: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 15.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

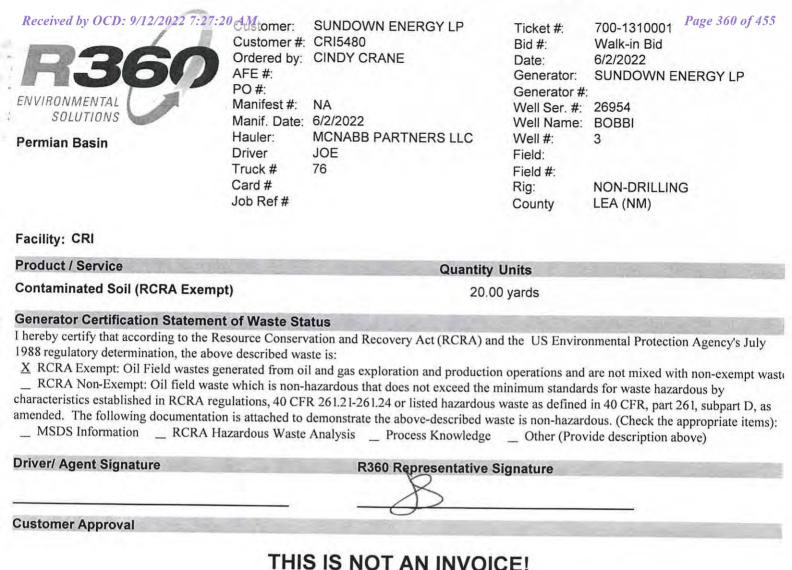
Date:

Received by OCD: 9/12/2022 7:27:20 AM Page 358 of 455 SUNDOWN ENERGY LP 700-1309734 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/1/2022 SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/1/2022 **BOBBI** Well Name: MCNABB PARTNERS LLC Well #: Hauler: Permian Basin **JESUS** Field: Driver Truck # M-33 Field #: NON-DRILLING Card# Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 15.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360, Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: _____ Date:

MANIFEST #				
SHIPPING FACILITY NAME & ADD	DRESS:			
Company: Sundown & Energo Address: Buckeye Project Lead: Cindy Crane	7			
LOCATION OF MATERIAL:				
Location: Bobbi State #3 Company: Sun down Energy	18S 8 36E			
S T Lea County, New Mexico	K 3			
TRANSPORTER NAME & ADDRE	SS:			
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240				
DESCRIPTION OF WASTE:	3 Loads			
Impacted Soil	Quantity: $20yds$			
FACILITY CONTACT:				
Date: 6 - 7 - 77	Contact Signature: (Agent for ConocoPhillips)			
NAME OF TRANSPORTER: (Drive	er) Joe Truck 76, End Pump			
Date: 6-2-22	Driver Signature:			
DISPOSAL SITE:	1			
Name of Disposal: 2360	1//_			
Date: 6/7/27	Representative			
ISPOSAL SITE: ame of Disposal: 2360 ddress:	1			



Date:

Received by OCD: 9/12/2022 7:27:20 Attstomer: 700-1310054 Page 361 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 6/2/2022 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/2/2022 Well Name: BOBBI MCNABB PARTNERS LLC Well #: 3 Hauler: Permian Basin JOE Field: Driver Truck # 76 Field #: NON-DRILLING Card # Ria: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

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Date:

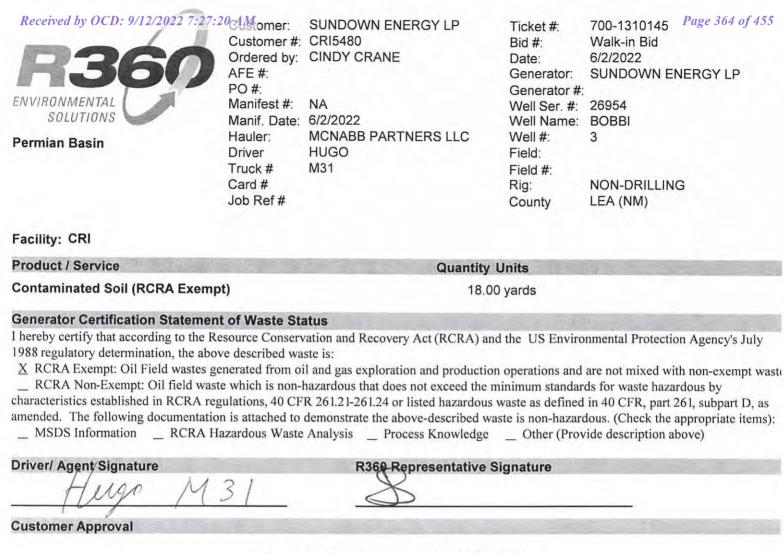
t6UJ9A0107UR

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1310156 Page 362 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/2/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/2/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: Permian Basin 3 Driver JOE Field: Truck # M76 Field #: Card # Rig: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

MANIFEST#
SHIPPING FACILITY NAME & ADDRESS:
Company: Sudaun Energy Address: Ruckage Project Lead: Cran &
LOCATION OF MATERIAL: Location: 16,66; State # 3 Company: Sndown Energy S
Lea County, New Mexico
TRANSPORTER NAME & ADDRESS: Land H Load H 2 Load H 3 McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240
DESCRIPTION OF WASTE:
Impacted Soil Quantity: 18 yd c
FACILITY CONTACT:
Date: 6-2-21 Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driver) // / / 0
Date: 6.2-22 Driver Signature: [49 1931
DISPOSAL SITE:
Name of Disposal: Address:
Date: 6/2/20 Representative Signature:



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Approved By: Date:

Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 Customer: Page 365 of 455 SUNDOWN ENERGY LP Ticket #: 700-1310052 Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/2/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO # Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/2/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver HUGO Field: Truck # M31 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature

Customer Approval

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Approved By: _____ Date:

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1310003 Page 366 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/2/2022 SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/2/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver HUGO Field: Truck # M31 Field #: Card # NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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Date:

API#30-025-26954

	MANIFEST #
SHIPPING FACILITY NAME & AL	DDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL: Location: Bobbi State #3 Company: Sudown Energy S	18S R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR	ESS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	77
Impacted Soil	Quantity: 20405/20-785
FACILITY CONTACT:	10
Date: 6-3-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	ver) Truck #M81
Date:6-3-22	Driver Signature:
DISPOSAL SITE:	
Name of Disposal: Address: R-360 Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AMomer: 700-1310474 Page 368 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/3/2022 Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: 26954 Manifest #: Well Ser. #: NA SOLUTIONS Well Name: BOBBI Manif. Date: 6/3/2022 MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Driver JOE Field: Field #: Truck # M81 NON-DRILLING Rig: Card # LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): MSDS Information RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Date: Approved By:

t6UJ9A0108IW 6/3/2022 11:06:48AM

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1310418 Page 369 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/3/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator # Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # NON-DRILLING Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

Customer Approval

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Approved By: Date:

API #30-025-26954

	MANIFEST#
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL: Location: Bobb: State # 3 Company: Sundown Energy S	3 185 R 36E
TRANSPORTER NAME & ADDR McNabb Partners 4008 N. Grimes #270	RESS:
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	0.01.15
Impacted Soil	Quantity: $20yc/5$
FACILITY CONTACT:	
Date: 6-3-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	iver)
Date: 6-3-22	Driver Signature: Urist M-80
DISPOSAL SITE:	
Name of Disposal: Raddress: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 15 tomer: Page 371 of 455 SUNDOWN ENERGY LP 700-1310453 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/3/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: Permian Basin Driver URIEL Field: Truck # M80 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Water-Based Cuttings 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Date:

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Received by OCD: 9/12/2022 7:27:20 AM tomer: Page 372 of 455 SUNDOWN ENERGY LP 700-1310505 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/3/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. # 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS LLC Well #: Permian Basin 3 URIEL Driver Field: Truck # M80 Field #: Card # **NON-DRILLING** Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

	MANIFEST#
SHIPPING FACILITY NAME & A Company: Indown Energy Address: Buckeye, Project Lead: Cindy Crane	DDRESS:
LOCATION OF MATERIAL: Location: Bobbi State #3 Company: 9 medown Energy S	185 R 36E
TRANSPORTER NAME & ADDR McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	ESS:
DESCRIPTION OF WASTE:	Quantity: 204ds
FACILITY CONTACT: Date: 6-3-77	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	Driver Signature: End Duan
DISPOSAL SITE: Name of Disposal: Address: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 Alfomer: Page 374 of 455 SUNDOWN ENERGY LP 700-1310416 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/3/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: Permian Basin Driver JOF Field: Truck # 76 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature** R360 Representative Signature **Customer Approval**

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Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 375 of 455 SUNDOWN ENERGY LP Ticket #: 700-1310467 Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/3/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver JOE Field: Truck # M76 Field #: Card # Rig: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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TRANSPORTER'S MANIFEST

API# 30-025-26954

M	ANIFEST#
SHIPPING FACILITY NAME & ADI	DRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL:	
Location: Bobb; 3 Company:	
s T	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDRE	SS:
McNabb Partners	
4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: ZOYCS
FACILITY CONTACT:	
Date: 6-3-72	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Drive	er) m 75
Date: 6-3-22	Driver Signature: Jose Sund
DISPOSAL SITE:	
DIOI GOAL GITE.	
Name of Disposal: P-31.0	
Name of Disposal: P-340 Address: P-340 Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AM Customer: Page 377 of 455 SUNDOWN ENERGY LP Ticket # 700-1310497 Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/3/2022 AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/3/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Permian Basin Well #: 3 Driver JOSH Field: Truck # M75 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature

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Date:

Customer Approval

API#30-025-26954

MANIFEST #	
SHIPPING FACILITY NAME & ADDRESS:	
Company: Sundown Energy Address: Buckey Project Lead: Lindy Crane	
LOCATION OF MATERIAL: Location: Bobbi Sdada # 3 Company: Sundown Energy S	
Lea County, New Mexico	
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil Quantity: 20 Yds	
FACILITY CONTACT:	
Date: 6-6-2 Contact Signature: (Agent for ConocoPhillips)	
NAME OF TRANSPORTER: (Driver) JOE Truck # 76 Endl	JU,
Date: 6-6-22 Driver Signature:	
DISPOSAL SITE: Name of Disposal: Q3 (0) Address:	
Date: 6/6/27 Representative Signature:	

Received by OCD: 9/12/2022 7:27:20 Received by OCD: 9/12/2022 7:27:20 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1311451 Page 379 of 453 Walk-in Bid 6/6/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service	0-23	Quantit	y Units	What is the contract of
Contaminated Soil (RCRA Exemp	ot)	20	.00 yards	
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA regamended. The following documentation MSDS Information RCRA H Driver/ Agent Signature	esource Conserve described was enerated from oute which is nongulations, 40 CF on is attached to	vation and Recovery Act (RCRA) ste is: il and gas exploration and produc hazardous that does not exceed the R 261.21-261.24 or listed hazardo demonstrate the above-described	tion operations and e minimum standar us waste as defined waste is non-hazar ge Other (Prov	are not mixed with non-exempt wards for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items
Customer Approval				

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Date:

Received by OCD: 9/12/2022 7:27:20 Alfomer: 700-1311510 Page 380 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 6/6/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/6/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOE Field: Truck # 76 Field #: Card # NON-DRILLING Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Date:

t6UJ9A01OA9M

Received by OCD: 9/12/2022 7:27:20 A Momer: 700-1311581 Page 381 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/6/2022 Date: SUNDOWN ENERGY LP AFE #: Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/6/2022 Well Name: BOBBI MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Driver Field: Truck # 76 Field #: NON-DRILLING Card # Ria: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01OAGC

API# 30-025-26954

	MANIFEST #
Company: Sundown Energy Address: Buck eye Project Lead: Cindy Cra	ADDRESS:
LOCATION OF MATERIAL: Location: Bobbi State Company: Sundown Energy S	++3
TRANSPORTER NAME & AD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	DRESS:
DESCRIPTION OF WASTE: Impacted Soil	Quantity: 10 yd (
FACILITY CONTACT: Date: 6-6-7 7	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER:	(Driver) $M - O$

Received by OCD: 9/12/2022 7:27:	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1311580 Page 383 of 455 Walk-in Bid 6/6/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service	Est Brown	Quant	ity Units	
Contaminated Soil (RCRA Exem	pt)	10	0.00 yards	
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the about X RCRA Exempt: Oil Field wastes good RCRA Non-Exempt: Oil field wastes the characteristics established in RCRA reamended. The following documentation MSDS Information RCRA R	desource Conserve described was generated from of ste which is non- gulations, 40 CF on is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardous demonstrate the above-described examples Process Knowled	etion operations and the minimum standar ous waste as defined I waste is non-hazar ge Other (Pro-	are not mixed with non-exempt was do for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representativ	ve Signature	17
Customer Approval	- 6, 56			

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Approved By:	Date:
Approved by.	Date.

t6UJ9A01OAGA

Received by OCD: 9/12/2022 7:27:20 All tomer: Page 384 of 455 SUNDOWN ENERGY LP 700-1311517 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/6/2022 SUNDOWN ENERGY LP AFE #: Generator: PO # Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/6/2022 Well Name: **BOBBI** MCNABB PARTNERS Hauler: Well #: 3 Permian Basin RAY Driver Field: Truck # M02 Field #: Card # NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature R360 Representative Signature Customer Approval**

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Approved By: _____ Date:

Received by OCD: 9/12/2022 7:27:20 Customer: Page 385 of 455 SUNDOWN ENERGY LP 700-1311462 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 6/6/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/6/2022 Well Name: **BOBBI** MCNABB PARTNERS Hauler: Well #: 3 Permian Basin OSCAR RAIN Driver Field: Truck # 02 Field #: Card # Rig: NON-DRILLING Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 10.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Date:

MANIFEST #		
SHIPPING FACILITY NAME & AD	DRESS:	
Company: Sundown Energy Address: Buck eye Project Lead: Cindy Crane		
LOCATION OF MATERIAL: Location: Both State #3 Company: Bundown Energy S	18S R 36E	
Lea County, New Mexico		
TRANSPORTER NAME & ADDRE	SS:	
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240		
DESCRIPTION OF WASTE:)!1	
Impacted Soil	Quantity: 2049/5/20-7ds/20-7ds	
FACILITY CONTACT:		
Date: 6-7-77	Contact Signature: (Agent for ConocoPhillips)	
NAME OF TRANSPORTER: (Driv	er) Truck EM181	
Date: 6-7-22	Driver Signature:	
DISPOSAL SITE:		
Name of Disposal: 2360 Address: Date: $6/4/27$	Representative Signature:	

Received by OCD: 9/12/2022 7:27:20 AMstomer: 700-1311994 Page 387 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 6/7/2022 Date: AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: ENVIRONMENTAL Manifest #: Well Ser. #: 26954 N/A SOLUTIONS Manif. Date: 6/7/2022 Well Name: BOBBI MCNABB PARTNERS Well #: Hauler: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # NON-DRILLING Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent/Signature

Customer Approval

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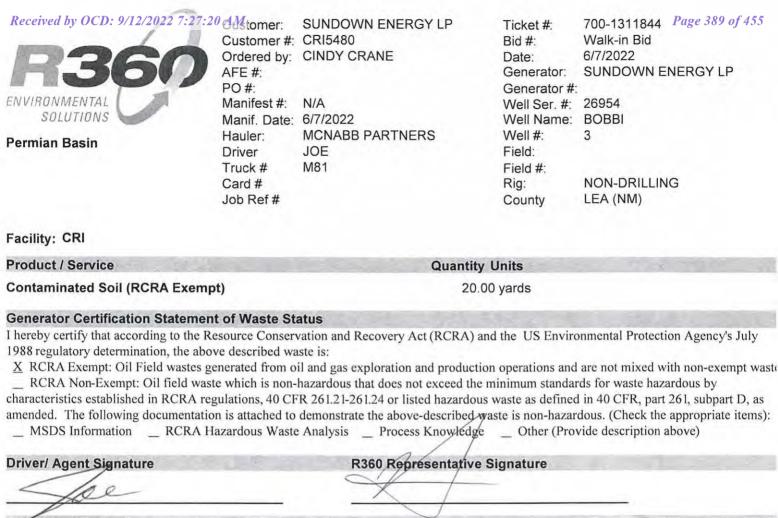
Approved By: Date:

Received by OCD: 9/12/2022 7:27:20 Altomer: 700-1311917 Page 388 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/7/2022 Date: AFE #: SUNDOWN ENERGY LP Generator: PO #: Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/7/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # NON-DRILLING Ria: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards 2ND LOAD **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge / __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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t6UJ9A01OB13 Released to Imaging: 9/14/2022 2:27:35 PM



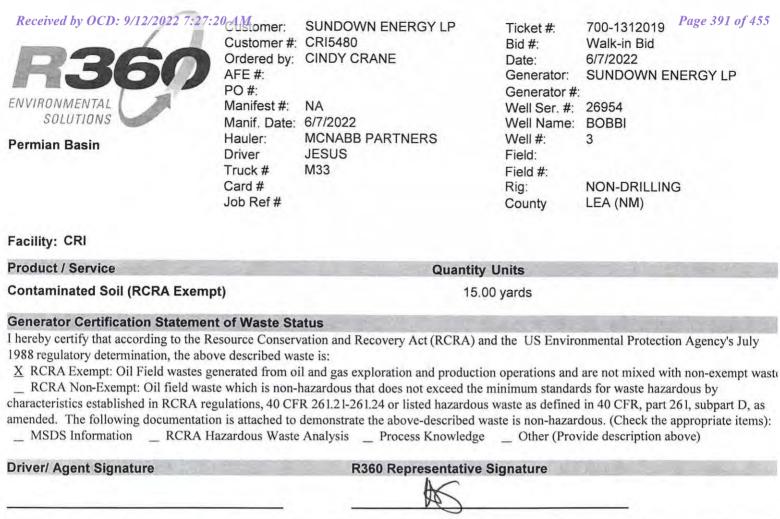
Customer Approval

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Approved By: Date:

Released to Imaging: 9/14/2022 2:27:35 PM

1	MANIFEST #
SHIPPING FACILITY NAME & AI	DDRESS:
Company: Sundown Energy Address: Buckeys Project Lead: Cindy Crypl	
LOCATION OF MATERIAL:	
Location: Bobb; 3 Company:	
s 20 _{T_}	185 R 36 E
Lea County, New Mexico	
TRANSPORTER NAME & ADDR	ESS:
McNabb Partners	
4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 15yd 1 Load
FACILITY CONTACT:	
Date: 6-7-2 2	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Dri	iver)
Date: 6-7-22	Driver Signature: M-33
DISPOSAL SITE:	
Name of Disposal:	
Address: R-360	Representative 1
Le.7.22	Signature:



Customer Approval

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Approved By:	Date:
Approved by.	Date.

N	IANIFEST#
SHIPPING FACILITY NAME & AD Company: Sundown Energy Address: Buckeye Project Lead: Cindy Clark	
LOCATION OF MATERIAL: Location: 12065; State # 3 Company: Sun dawn Energy S T Lea County, New Mexico	185 R 36E
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	ESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 10 y d 5
FACILITY CONTACT: Date: 6-7-7 Z	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Drive Date:	Driver Signature:
DISPOSAL SITE: Name of Disposal: 2360 Address: Date: 6 7 77	Representative Signature:

Received by OCD: 9/12/2022 7:27: RESIDENTIFICATIONS Permian Basin	Customer #:	CINDY CRANE NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1311999 Page 393 of 455 Walk-in Bid 6/7/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quant	ity Units	
Contaminated Soil (RCRA Exem	pt)	11	0.00 yards	
Generator Certification Statement I hereby certify that according to the R 1988 regulatory determination, the about X RCRA Exempt: Oil Field wastes as RCRA Non-Exempt: Oil field was characteristics established in RCRA reamended. The following documentation MSDS Information RCRA Reamended. RCRA Reamended. The following documentation RCRA Reamended. The following documentation RCRA Reamended. RCRA RCRA REAMended. RCRA REAMended. RCRA REAMended.	desource Consertive described was generated from of the which is non- gulations, 40 CF on is attached to	vation and Recovery Act (RCRA) aste is: bil and gas exploration and product hazardous that does not exceed to FR 261.21-261.24 or listed hazardous the above-described	ction operations and he minimum standar ous waste as defined d waste is non-hazar ge Other (Pro	are not mixed with non-exempt wards for waste hazardous by d in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Customer Approval				

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Date:

Received by OCD: 9/12/2022 7:27: Received by OCD: 9/12/2022 7:27: Page 15 15 15 15 15 15 15 15 15 15 15 15 15	Customer #: Ordered by: AFE #: PO #: Manifest #:	SUNDOWN ENERGY LP CRI5480 CINDY CRANE N/A 6/7/2022 MCNABB PARTNERS RAY M02	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	26954
Facility: CRI				
Product / Service	N. C.	Quan	itity Units	
Contaminated Soil (RCRA Exem	pt)		10.00 yards	
Generator Certification Statemen	nt of Waste Sta	atus		
I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA re amended. The following documentati MSDS Information RCRA I	ove described wa generated from of ste which is non-legulations, 40 CF on is attached to	ste is: il and gas exploration and prod hazardous that does not exceed R 261.21-261.24 or listed hazar demonstrate the above-describe	uction operations and the minimum standar dous waste as defined ed waste is non-hazar	are not mixed with non-exempt wasterds for waste hazardous by I in 40 CFR, part 261, subpart D, as
Driver/ Agent Signature	THE PARTY	R360 Representat	ive Signature	
Customer Approval	E 1111111			
	THI	S IS NOT AN INV	OICE!	

Date:

t6UJ9A01OB1R

Received by OCD: 9/12/2022 7:27: RESIDENTIFICATIONS Permian Basin	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1311857 Page 395 of 455 Walk-in Bid 6/7/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service	A IDI-S	Quanti	ity Units	
Contaminated Soil (RCRA Exem	pt)	10	0.00 yards	
Generator Certification Statemer I hereby certify that according to the F 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA re amended. The following documentati MSDS Information RCRA I	Resource Consert ove described was generated from of ste which is non- egulations, 40 CF on is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardous demonstrate the above-described	ction operations and the minimum standar ous waste as defined I waste is non-hazar	are not mixed with non-exempt wards for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Driver/ Agent Signature	10 10 12	R360 Representation	ve Signature	
Customer Approval	F-105-35		THE SEAL	

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Approved By: _____ Date: ____

t6UJ9A01OAX8

	MANIFEST#	
SHIPPING FACILITY NAME & ADDRESS: Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane		
LOCATION OF MATERIAL:		
Location: Company:	18S R 36E	
Lea County, New Mexico		
TRANSPORTER NAME & ADD	RESS:	
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240		
DESCRIPTION OF WASTE:	//	
Impacted Soil	Quantity: $204dS/20-3ds$	
FACILITY CONTACT:		
Date: 6-8-2 Z	Contact Signature: (Agent for ConocoPhillips)	
NAME OF TRANSPORTER: (D	Driver) Truck #1981	
Date: 6-8-22	Driver Signature:	
DISPOSAL SITE:		
Name of Disposal: 2360 Address: Date: 6/8/M	Representative Signature:	
- 101		

Received by OCD: 9/12/2022 7:27: P36 ENVIRONMENTAL SOLUTIONS Permian Basin	Customer #:	CIND CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1312321 Walk-in Bid 6/8/2022 SUNDOWN E 26954 BOBBI 3 NON-DRILLIN LEA (NM)	
Facility: CRI					
Product / Service		Quant	ity Units	4. 181	
Contaminated Soil (RCRA Exemp	ot)		0.00 yards		
Generator Certification Statemer I hereby certify that according to the R 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes g RCRA Non-Exempt: Oil field was characteristics established in RCRA re amended. The following documentation MSDS Information RCRA F	esource Conserve described was enerated from oute which is non- gulations, 40 CI on is attached to	vation and Recovery Act (RCRA aste is: oil and gas exploration and production and production and production and production and production and production are seen as a second action of the second action and production are seen as a second action are seen as a second action and production are seen as a second action and production are seen as a second action are seen as a second action are seen as a second action action and production are seen as a second action action are seen as a second action action and production are seen as a second action	ction operations and the minimum standar ous waste as defined d waste is non-hazar lige Other (Pro	are not mixed words for waste hazed in 40 CFR, part dous. (Check the	ith non-exempt was ardous by 261, subpart D, as appropriate items)
Driver/ Agent Signature	7	R360 Representati	ve Signature		
for		#			
Customer Approval					

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Date:

Approved By:

t6UJ9A01OBSC 6/8/2022 10:38:28AM Released to Imaging: 9/14/2022 2:27:35 PM

Received by OCD: 9/12/2022 7:27:20 A.Momer: 700-1312284 Page 398 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 6/8/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: 26954 Manifest #: N/A Well Ser. #: SOLUTIONS Well Name: BOBBI Manif. Date: 6/8/2022 MCNABB PARTNERS Well #: 3 Hauler: Permian Basin Field: Driver JOF M81 Field #: Truck # Rig: NON-DRILLING Card # LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) Driver/ Agent Signature R360 Representative Signature **Customer Approval**

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Approved By: Date:

t6UJ9A01OBP5 6/8/2022 8:23:33AM

API#30-025-26954

	MANIFEST #
SHIPPING FACILITY NAME &	ADDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Lindy Cranc	
LOCATION OF MATERIAL:	
Location: Bobbi State #	3
Company: Gundown Energy	185 B 36F
s	
Lea County, New Mexico	
TRANSPORTER NAME & ADD	RESS:
McNabb Partners	
4008 N. Grimes #270 Hobbs, NM 88240	
110003, 14141 00240	
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: ZOYC/S
FACILITY CONTACT:	
Date: 6 - 9 - 27	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (D	Driver) JOR Truck - 76
Date: 4-9-22	Driver Signature: Find
DISPOSAL SITE:	
Name of Disposal:	
Address: Date:	Representative
	Signature:

Received by OCD: 9/12/2022 7:27:26 Assomer: Page 400 of 455 SUNDOWN ENERGY LP 700-1312782 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 6/9/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: **ENVIRONMENTAL** Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/9/2022 Well Name: BOBBI Well #: MCNABB PARTNERS 3 Hauler: Permian Basin **OSCAR** Field: Driver Field #: Truck # 76 NON-DRILLING Card # Ria: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Date:

t6UJ9A01OCKS 6/9/2022 1:07:45PM

Approved By:

	MANIFEST#
SHIPPING FACILITY NAME & A	ADDRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL: Location: Boldsi State # Company: Snalown Fnergy S	-3 18S R 36E
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 15yds
FACILITY CONTACT: Date: 6-10-22	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (D	Oriver)
Date: 6-10-22	Driver Signature: M-33
DISPOSAL SITE:	
Name of Disposal: Address: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AMomer: Page 402 of 455 SUNDOWN ENERGY LP Ticket #: 700-1313179 Customer #: CRI5480 Bid # Walk-in Bid Ordered by: CINDY CRANE Date: 6/10/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: N/A 26954 Well Ser. #: SOLUTIONS Manif. Date: 6/10/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: Permian Basin Driver **JESUS** Field: Truck # M33 Field #: NON-DRILLING Card# Rig: LEA (NM) Job Ref# County Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge / Other (Provide description above) R360 Representative Signature Driver/ Agent Signature

Customer Approval

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Date: Approved By: ____

6/10/2022 12:18:09PM t6UJ9A01ODGV

Received by OCD: 9/12/2022 7:27:20 AM customer: Page 403 of 455 SUNDOWN ENERGY LP 700-1313099 Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: 6/10/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: 26954 ENVIRONMENTAL Manifest #: NA Well Ser. #: Well Name: BOBBI SOLUTIONS Manif. Date: 6/10/2022 MCNABB PARTNERS Well #: 3 Hauler: Permian Basin **JESUS** Field: Driver M33 Field #: Truck # NON-DRILLING Rig: Card# LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 15.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature**

Customer Approval

THIS IS NOT AN INVOICE!

Date: Approved By:

6/10/2022 8:46:15AM t6UJ9A01ODBB

API# 30-025 Page 494 51455

	MANIFEST #
SHIPPING FACILITY NAME & A	DDRESS:
Company: Sindown Energy Address: Backeye Project Lead: Cindy Crane	
LOCATION OF MATERIAL:	
Location: Sundown Energy Company: Sundown Energy ST_	185 R 36 E
Lea County, New Mexico	
TRANSPORTER NAME & ADD	RESS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	
Impacted Soil ,	Quantity: 20 yd S
FACILITY CONTACT:	
Date: 6-13-22	Contact Signature: (Acoustic Constanting)
NAME OF TRANSPORTER: (D	river)
Date: 4-13-22	Driver Signature: Uniel M-80
DISPOSAL SITE:	
Name of Disposal: Address: Date:	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 as Momer: Page 405 of 455 700-1314301 SUNDOWN ENERGY LP Ticket #: Bid #: Walk-in Bid Customer #: CRI5480 6/13/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO # Generator #: 26954 *ENVIRONMENTAL* Manifest #: NA Well Ser. #: SOLUTIONS Well Name: BOBBI Manif. Date: 6/13/2022 Well #: 3 MCNABB PARTNERS Hauler: Permian Basin URIEL Field: Driver M80 Field #: Truck # NON-DRILLING Card# Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service Quantity Units 20.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R369 Representative Signature **Driver/ Agent Signature**

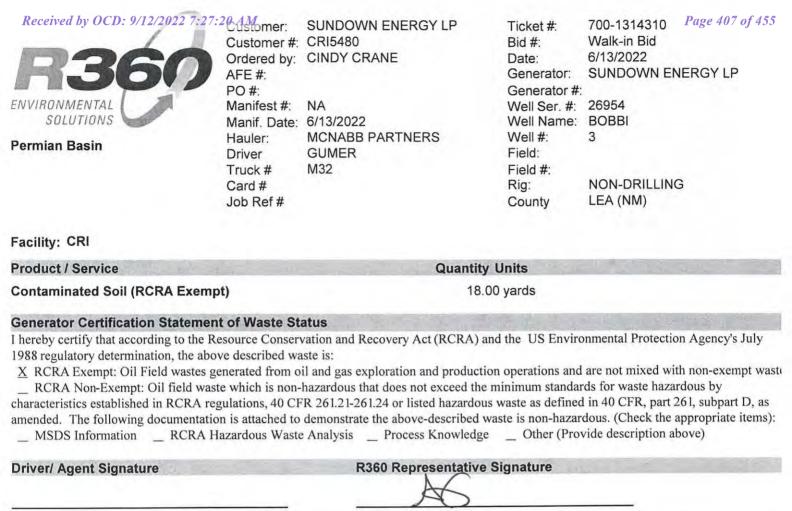
Customer Approval

THIS IS NOT AN INVOICE!

Date: Approved By:

t6UJ9A01OFMT 6/13/2022 3:13:12PM

N	IANIFEST #
SHIPPING FACILITY NAME & AD	DRESS:
Company: Surdown Frenze Address: Buckeye Project Lead: Cindy (rane	
LOCATION OF MATERIAL: Location: Bobs: State # 5 Company: 9 Indian Everye S	783 R 36E
TRANSPORTER NAME & ADDRE McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	ESS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: 18 yd5
FACILITY CONTACT: Date: 6-13-77	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Driv	
Date:	Driver Signature: Gumy Rd)
DISPOSAL SITE: Name of Disposal: 2-340	M-32 P.T.
Name of Disposal: R-340 Address: Date: 4.13.27	Representative Signature:



Customer Approval

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01OFNA 6/13/2022 3:25:15PM

MA	ANIFEST#
SHIPPING FACILITY NAME & ADD Company: Sunctown Enough Address: Buckey Project Lead: Cindy Crane	DRESS:
LOCATION OF MATERIAL: Location: Bobbi Stake #3 Company: Sandeur Energy S	185 R 36E
TRANSPORTER NAME & ADDRES McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	SS:
DESCRIPTION OF WASTE:	
Impacted Soil	Quantity: (8yds
FACILITY CONTACT: Date: 6-13-77	Contact Signature: (Agent for ConocoPhillips) (Acar (
NAME OF TRANSPORTER: (Drive Date: 6-/3-22	Driver Signature: Fly M 31
DISPOSAL SITE: Name of Disposal: 2360 Address: Date: 6. 3.27	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 AMmer: Page 409 of 455 SUNDOWN ENERGY LP 700-1314284 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid 6/13/2022 Ordered by: CINDY CRANE Date: SUNDOWN ENERGY LP Generator: AFE #: PO #: Generator #: **ENVIRONMENTAL** Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/13/2022 Well Name: **BOBBI** MCNABB PARTNERS Well #: 3 Hauler: Permian Basin HUGO Field: Driver M31 Field #: Truck # NON-DRILLING Card # Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

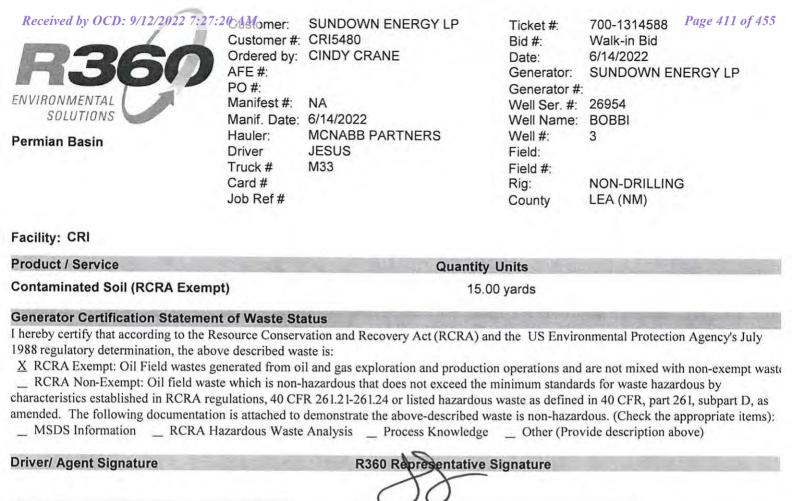
THIS IS NOT AN INVOICE!

Date:

t6UJ9A01OFM4 6/13/2022 2:42:29PM

Approved By:

MANIFEST#
ompany: S und own Every ddress: Isnowye roject Lead: Cin dy Crane
ocation: Babbi State #3 company: Sundawn Enogy 7 T 18S R 36f ea County, New Mexico
RANSPORTER NAME & ADDRESS: McNabb Partners 008 N. Grimes #270 lobbs, NM 88240
DESCRIPTION OF WASTE:
mpacted Soil Quantity: \ \Syd\S
Contact Signature: (Agent for ConocoPhillips)
Date: Driver Signature:
1-14-20 M-33
DISPOSAL SITE:
Name of Disposal: Address: Date: Representative Signature:



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Date:

t6UJ9A01OG9G

Customer Approval

Approved By:

Received by OCD: 9/12/2022 7:27:20 A.Momer: Page 412 of 455 SUNDOWN ENERGY LP 700-1314679 Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/14/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: ENVIRONMENTAL Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/14/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver **JESUS** Field: Truck # M33 Field #: Card # Rig: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 15.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) **Driver/ Agent Signature R360 Representative Signature**

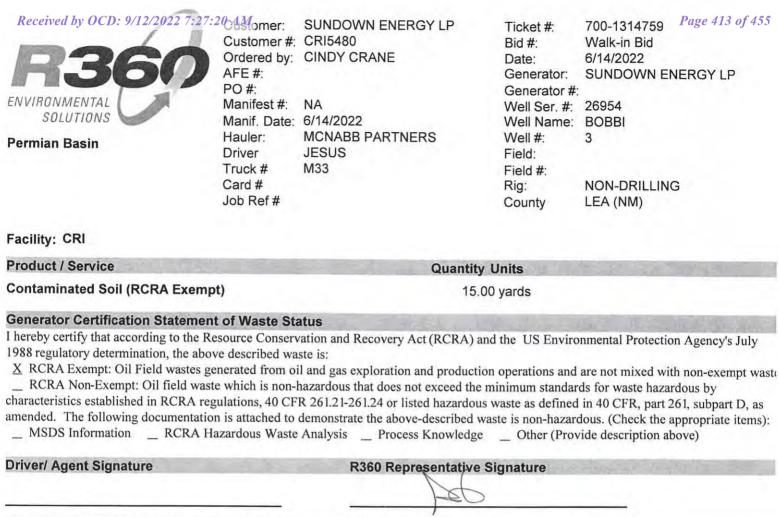
THIS IS NOT AN INVOICE!

Date:

t6UJ9A01OGEZ Released to Imaging: 9/14/2022 2:27:35 PM

Customer Approval

Approved By:

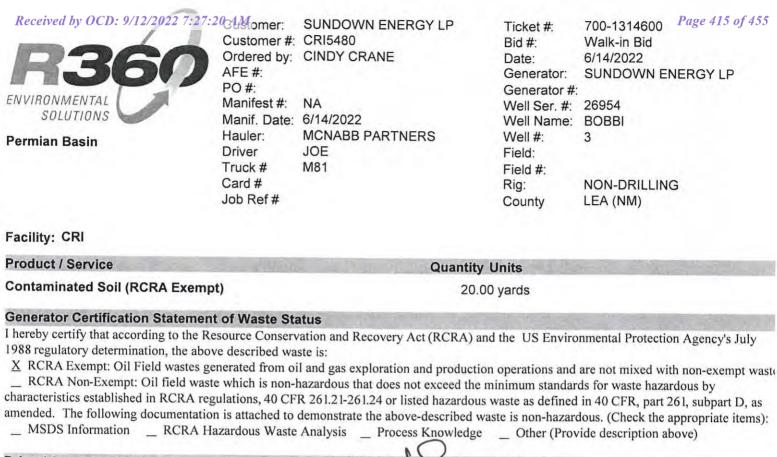


Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date:

M	ANIFEST#
SHIPPING FACILITY NAME & AD	DRESS:
Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crine	
LOCATION OF MATERIAL:	
Location: Babie State #3 Company: Sudawn From	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & ADDRE	SS:
McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	
DESCRIPTION OF WASTE:	"") /
Impacted Soil	Quantity: 204ds/20-74s/20-765
FACILITY CONTACT:	
Date: 6-14-7 2	Contact Signature: (Agent for ConocoPhillips)
NAME OF TRANSPORTER: (Drive	er) 124-141181
Date: 6-14-22	Driver Signature:
DISPOSAL SITE:	
Name of Disposal: Address: R=300 Date: Le·14.27	Representative Signature:



Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: _____ Date:

Received by OCD: 9/12/2022 7:27:20 AM tomer: Page 416 of 455 SUNDOWN ENERGY LP Ticket #: 700-1314688 Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE Date: 6/14/2022 AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/14/2022 Well Name: BOBBI MCNABB PARTNERS Hauler: Well #: 3 Permian Basin Driver JOE Field: Truck # M81 Field #: Card # Ria: NON-DRILLING Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 20.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) Driver/ Agent Signature **R360 Representative Signature** Customer Approval

Approved By:

THIS IS NOT AN INVOICE!

Date:

Received by OCD: 9/12/2022 7:27: PRISONMENTAL SOLUTIONS Permian Basin	Customer #:	CINDY CRANE NA	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County	700-1314767 Page 417 of 455 Walk-in Bid 6/14/2022 SUNDOWN ENERGY LP 26954 BOBBI 3 NON-DRILLING LEA (NM)
Facility: CRI				
Product / Service		Quantit	ty Units	
Contaminated Soil (RCRA Exem	pt)	20	.00 yards	
Generator Certification Statemer I hereby certify that according to the F 1988 regulatory determination, the abo X RCRA Exempt: Oil Field wastes of RCRA Non-Exempt: Oil field was characteristics established in RCRA reamended. The following documentati MSDS Information RCRA I	Resource Consertove described was generated from of ste which is non- egulations, 40 CF on is attached to	vation and Recovery Act (RCRA) aste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardo demonstrate the above-described	tion operations and e minimum standar us waste as defined waste is non-hazar	are not mixed with non-exempt was rds for waste hazardous by I in 40 CFR, part 261, subpart D, as dous. (Check the appropriate items)
Driver/ Agent Signature		R360 Representative	e Signature	
Customer Approval		_ \$60		

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Approved By: Date:

t6UJ9A01OGLS 6/14/2022 2:58:23PM

Received by OCD: 9/12/2022 7:27:20 Alfomer: 700-1319450 Page 418 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 6/27/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO # Generator #: Manifest #: N/A Well Ser. #: 26954 SOLUTIONS Manif. Date: 6/27/2022 Well Name: **BOBBI** MCNABB PARTNERS Hauler: Well #: 3 Permian Basin MIKE Driver Field: Truck # M32 Field #: Card# NON-DRILLING Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste _ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous, (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis Process Knowledge Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval** THIS IS NOT AN INVOICE!

____ Date: ____

M-32

Approved By:

Received by OCD: 9/12/2022 7:27:20 A.Momer: 700-1319304 Page 419 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Bid #: Walk-in Bid Ordered by: CINDY CRANE 6/27/2022 Date: SUNDOWN ENERGY LP AFE # Generator: PO #: Generator #: Well Ser. #: 26954 Manifest #: N/A SOLUTIONS Well Name: BOBBI Manif. Date: 6/27/2022 Hauler: MCNABB PARTNERS Well #: 3 Permian Basin MIKE Field: Driver Truck # M32 Field #: NON-DRILLING Card # Rig: Job Ref# LEA (NM) County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards Generator Certification Statement of Waste Status I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

Approved By: _____ Date: ____





M32

SUNDOWN ENERGY LP Field #: NON-DRILLING Rig: County LEA (NM)

Facility: CRI

Product / Service **Quantity Units**

Truck #

Card#

Job Ref#

Contaminated Soil (RCRA Exempt) 18.00 yards

Generator Certification Statement of Waste Status

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

Driver/ Agent Signature

R360 Representative Signature

Customer Approval

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Approved By: Date:

m-32

Received by OCD: 9/12/2022 7: RESIDENTIFICATIONS Permian Basin	Customer #:	CINDY CRANE N/A	Ticket #: Bid #: Date: Generator: Generator #: Well Ser. #: Well Name: Well #: Field: Field #: Rig: County		
Facility: CRI					
Product / Service	A A STATE OF THE S	Quantit	y Units		
Contaminated Soil (RCRA Exer	npt)	18	.00 yards		
Generator Certification Statem I hereby certify that according to the 1988 regulatory determination, the a X RCRA Exempt: Oil Field wastes RCRA Non-Exempt: Oil field w characteristics established in RCRA amended. The following documenta MSDS Information RCRA Driver/ Agent Signature	Resource Conserved bove described was generated from o aste which is non-regulations, 40 CF tion is attached to	vation and Recovery Act (RCRA) ste is: il and gas exploration and product hazardous that does not exceed the R 261.21-261.24 or listed hazardo demonstrate the above-described	tion operations and e minimum standar us waste as defined waste is non-hazarde Other (Prov	are not mixed winds for waste haza	th non-exempt wasterdous by 261, subpart D, as appropriate items):
Customer Approval					
	THI	S IS NOT AN INVO	ICE!		

Date:

m 32

Approved By:

	MANIFEST #
SHIPPING FACILITY NAME & A Company: Sandown Address: Project Lead: Candy	DDRESS:
LOCATION OF MATERIAL: Location: Bobby State Company: Sun Jown	API 3002527032
ST_	R
Lea County, New Mexico	
TRANSPORTER NAME & ADD McNabb Partners 4008 N. Grimes #270 Hobbs, NM 88240	RESS:
DESCRIPTION OF WASTE:	1
Impacted Soil	Quantity: 18 years cont
FACILITY CONTACT: Date: 6.28.22	Contact Signature: (Agent for Conocol Silves)
NAME OF TRANSPORTER: (D	Driver Signature:
DISPOSAL SITE: Name of Disposal: R-360 Address: Holdway Jum Date: 6.28.2	Representative Signature:

Received by OCD: 9/12/2022 7:27:20 Allomer: 700-1319729 Page 423 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE Date: 6/28/2022 Generator: SUNDOWN ENERGY LP AFE #: PO #: Generator #: Well Ser. #: 26954 Manifest #: N/A SOLUTIONS Well Name: BOBBI Manif. Date: 6/28/2022 Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver JOHN Field: Truck # M32 Field #: NON-DRILLING Card # Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 18.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval** THIS IS NOT AN INVOICE!

THIS IS NOT AN INVOICE.

Approved By: _____ Date: _____

t6UJ9A01OQSA 6/28/2022 10:00;23AM

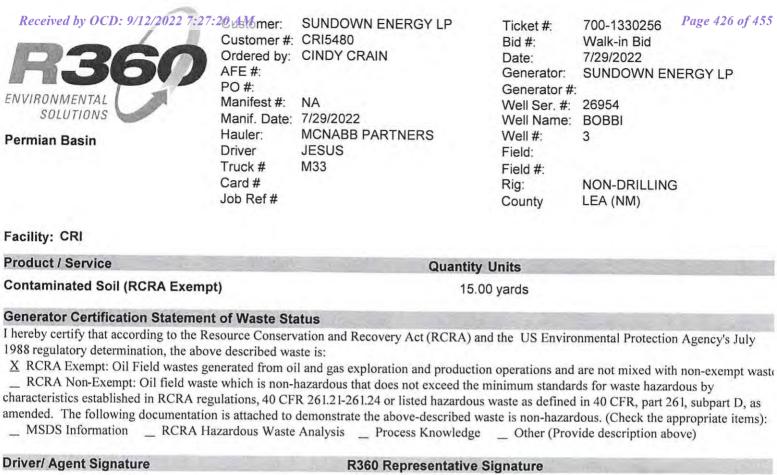
Received by OCD: 9/12/2022 7:27:20 Almomer: 700-1319771 Page 424 of 455 SUNDOWN ENERGY LP Ticket #: Customer #: CRI5480 Walk-in Bid Bid #: 6/28/2022 Ordered by: CINDY CRANE Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: n/a Well Ser. #: 26954 SOLUTIONS Well Name: BOBBI Manif. Date: 6/28/2022 Well #: 3 Hauler: MCNABB PARTNERS Permian Basin Field: Driver JOWN Truck # M32 Field #: NON-DRILLING Card# Rig: LEA (NM) Job Ref# County Facility: CRI Product / Service **Quantity Units** 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): _ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above) R360 Representative Signature Driver/ Agent Signature **Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01OQVU 6/28/2022 12:21:05PM

	MANIFEST # _		
SHIPPING FACILITY NAME Company: Sundown Energy Address: Buckeye Project Lead: Cindy Crain		API 30-00	15-26954
LOCATION OF MATERIAL:			
Location: Bobb: steek 3 Company: Sindown Energy			
s	T_185	R_ 362	
Lea County, New Mexico			
TRANSPORTER NAME & AI	DDRESS:		
McNabb Partners			
4008 N. Grimes #270			
Hobbs, NM 88240			
DESCRIPTION OF WASTE:			151.10
Impacted Soil	Quantity: 1	5yd5	(2)
FACILITY CONTACT:			
Date: 7/29/22	Contact Signa (Agent for Con		
NAME OF TRANSPORTER:			
Date: 7-29-22	Driver Signatu	ire:	M-33
DISPOSAL SITE:		0	
Name of Disposal: Address:			
Date: 7/29/27	Repre Signat	sentative ture:	inul
3		y fuct	



Customer Approval

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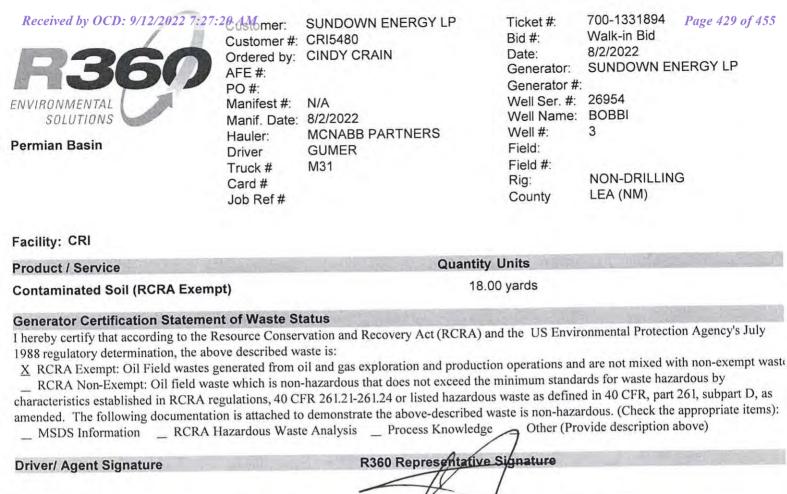
Received by OCD: 9/12/2022 7:27:20 Allomer: Page 427 of 455 SUNDOWN ENERGY LP Ticket #: 700-1330335 Customer #: CRI5480 Walk-in Bid Bid #: Ordered by: CINDY CRANE 7/29/2022 Date: AFE #: Generator: SUNDOWN ENERGY LP PO #: Generator #: Manifest #: NA Well Ser. #: 26954 SOLUTIONS Manif. Date: 7/29/2022 Well Name: BOBBI Hauler: MCNABB PARTNERS Well #: 3 Permian Basin Driver **JESUS** Field: M33 Truck # Field #: NON-DRILLING Card # Rig: Job Ref# County LEA (NM) Facility: CRI Product / Service **Quantity Units** Contaminated Soil (RCRA Exempt) 15.00 yards **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01PATW 7/29/2022 11:50:23AM

	MANIFEST#
SHIPPING FACILITY NAME & Company Sondown Charay Address: Buckeye Project Lead: Cindy	ADDRESS: ADI 30-025-26954
LOCATION OF MATERIAL:	
Location: Bobb: State 3 Company: Sindown Energy	
s <u>205w</u> T	185 R 36E
Lea County, New Mexico	
TRANSPORTER NAME & AD	DRESS:
McNabb Partners	
4008 N. Grimes #270	
Hobbs, NM 88240	
DESCRIPTION OF WASTE:	1 1 N d
Impacted Soil	Quantity: 18
FACILITY CONTACT:	
Date: 8/2/22	Contact Signature: Cody (Agent for ConocoPhillips) Sondawn Energy
NAME OF TRANSPORTER: ((Driver)
Date:	Driver Signature: Lumer Rd3
DISPOSAL SITE:	M-31
Name of Disposal: \Q36 C)
Date: 8/2/22	Representative Signature:

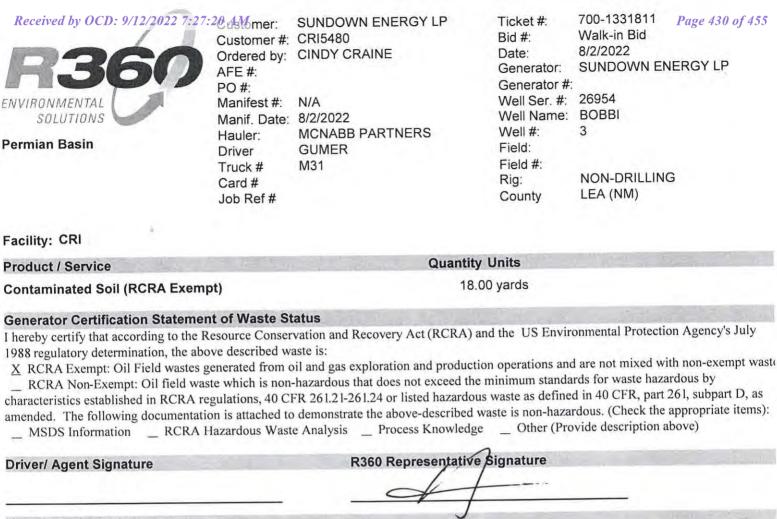


Customer Approval

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Approved By: Date:

t6UJ9A01PDHJ 8/2/2022 3:03:27PM



Customer Approval

THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

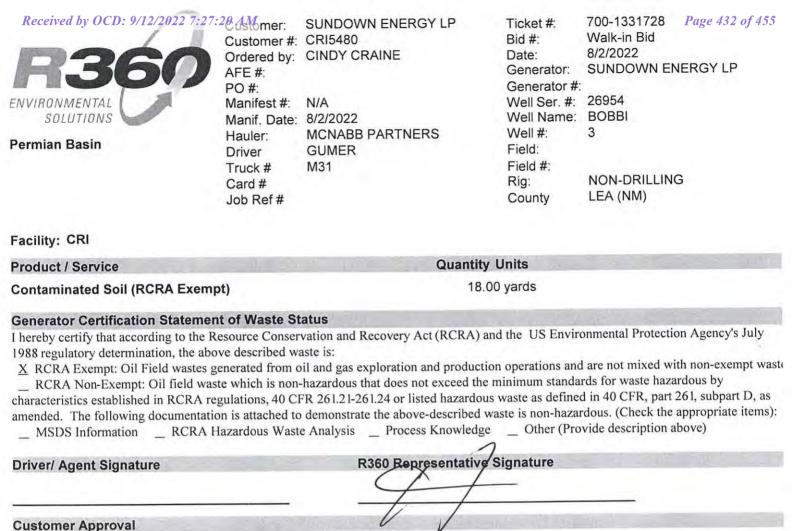
t6UJ9A01PDCG 8/2/2022 11:44:46AM

Received by OCD: 9/12/2022 7:27:20 As Momer: 700-1331764 Page 431 of 455 SUNDOWN ENERGY LP Ticket #: Walk-in Bid Customer #: CRI5480 Bid #: 8/2/2022 Ordered by: CINDY CRAINE Date: SUNDOWN ENERGY LP Generator: AFE #: Generator #: PO #: Well Ser. #: 26954 Manifest #: N/A **BOBBI** Well Name: SOLUTIONS Manif. Date: 8/2/2022 Well #: 3 MCNABB PARTNERS Hauler: Permian Basin Field: **GUMER** Driver Field #: M31 Truck # NON-DRILLING Ria: Card # LEA (NM) County Job Ref# Facility: CRI **Quantity Units** Product / Service 18.00 yards Contaminated Soil (RCRA Exempt) **Generator Certification Statement of Waste Status** I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items): __ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above) R360 Representative Signature **Driver/ Agent Signature Customer Approval**

THIS IS NOT AN INVOICE!

Approved By: Date:

t6UJ9A01PD9G 8/2/2022 9:53:47AM



THIS IS NOT AN INVOICE!

Date:

t6UJ9A01PD6J 8/2/2022 8:03:05AM

Approved By:

Environment Testing America

ANALYTICAL REPORT

Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Tel: (432)704-5440

Laboratory Job ID: 880-17690-1

Laboratory Sample Delivery Group: Lea Co., NM Client Project/Site: Bobbi State WF Unit #003

Revision: 1

For:

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

JURAMER

Authorized for release by: 9/13/2022 12:10:53 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Laboratory Job ID: 880-17690-1

SDG: Lea Co., NM

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Definitions/Glossary

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co., NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
Н	Sample was prepped or analyzed beyond the specified holding time
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

PQL

PRES

QC

RER RL

RPD

TEF

TEQ **TNTC**

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present

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Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Presumptive

Quality Control

Case Narrative

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Job ID: 880-17690-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17690-1

REVISION

The report being provided is a revision of the original report sent on 8/15/2022. The report (revision 1) is being revised due to Per client email, needing TPH ran on sample SS-28 as indicated on COC.

Report revision history

Receipt

The samples were received on 8/3/2022 2:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-31561 and analytical batch 880-32162 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 880-17690-2

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-17690-2

Receipt

The samples were received on 8/3/2022 2:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC Semi VOA

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-34181/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-34181 and analytical batch 880-34171 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-34181 and analytical batch 880-34171 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Matrix: Solid

Client Sample Results

Client: Crain Environmental Job ID: 880-17690-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Lab Sample ID: 880-17690-1

Date Collected: 08/02/22 12:10

Date Received: 08/03/22 14:59

Matrix: Solid

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Chr	omatography - Solu	ble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101	5.00	mg/Kg			08/15/22 10:53	1

Client Sample ID: SS-23 (2.5')

Lab Sample ID: 880-17690-2

Date Collected: 08/02/22 12:15 Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Ch	nromatography - Sol	uble					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	126	4.97	mg/Kg			08/15/22 11:21	1

Client Sample ID: SS-8 (2.5')

Date Collected: 08/02/22 12:20

Lab Sample ID: 880-17690-3

Matrix: Solid

Date Collected: 08/02/22 12:20 Date Received: 08/03/22 14:59

Sample Depth: 2.5'

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solul	ble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	119		4.96		mg/Kg			08/15/22 11:30	1

Client Sample ID: SS-27 (2')

Date Collected: 08/02/22 12:25

Lab Sample ID: 880-17690-4

Matrix: Solid

Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 300.0 - Anions, Ion C	hromatogra	phy - Solul	ole						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.02		mg/Kg			08/15/22 11:39	1

Client Sample ID: SS-28 (2')

Date Collected: 08/02/22 12:30

Lab Sample ID: 880-17690-5

Matrix: Solid

Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 8015 NM - Diesel F	•	• • • • • • • • • • • • • • • • • • • •	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	71.7		50.0		mg/Kg			09/13/22 10:25	1
Method: 8015B NM - Diese	l Range Organ	ics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U H *1	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1
Diesel Range Organics (Over C10-C28)	<50.0	UH	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1
Oll Range Organics (Over C28-C36)	71.7	Н	50.0		mg/Kg		09/12/22 08:48	09/12/22 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				09/12/22 08:48	09/12/22 15:19	1
o-Terphenyl	111		70 - 130				09/12/22 08:48	09/12/22 15:19	1

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Client Sample Results

Client: Crain Environmental

Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Client Sample ID: SS-28 (2') Lab Sample ID: 880-17690-5 Date Collected: 08/02/22 12:30

Matrix: Solid Date Received: 08/03/22 14:59

Sample Depth: 2'

Method: 300.0 - Anions, Ion C	hromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	111	4.99	mg/Kg			08/15/22 11:48	1

Client Sample ID: SS-30 (2') Lab Sample ID: 880-17690-6

Date Collected: 08/02/22 12:35 Matrix: Solid

Date Received: 08/03/22 14:59

Sample Depth: 2'

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		08/08/22 13:23	08/10/22 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/08/22 13:23	08/10/22 15:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130				08/08/22 13:23	08/10/22 15:09	1
Method: Total BTEX - Total	BTEX Calcula	tion							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			08/11/22 10:28	1
Method: 300.0 - Anions, Io	n Chromatogra	ıphy - Solu	ıble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

5.00

mg/Kg

110

08/15/22 12:16

Surrogate Summary

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-17690-6	SS-30 (2')	108	94	
880-17690-6 MS	SS-30 (2')	104	95	
880-17690-6 MSD	SS-30 (2')	105	98	
890-2704-A-9-D MS	Matrix Spike	106	93	
890-2704-A-9-E MSD	Matrix Spike Duplicate	102	103	
LCS 880-31768/1-A	Lab Control Sample	111	92	
LCS 880-31769/1-A	Lab Control Sample	107	100	
LCSD 880-31768/2-A	Lab Control Sample Dup	104	92	
MB 880-31768/5-A	Method Blank	94	97	
MB 880-31769/5-A	Method Blank	94	102	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Prep Type: Total/NA **Matrix: Solid**

		Percent Surrogate Recovery (Acceptance Limits)							
		1CO1	OTPH1						
Lab Sample ID	Client Sample ID	(70-130)	(70-130)						
880-17690-5	SS-28 (2')	109	111						
890-2907-A-1-C MS	Matrix Spike	98	93						
890-2907-A-1-D MSD	Matrix Spike Duplicate	99	93						
LCS 880-34181/2-A	Lab Control Sample	144 S1+	151 S1+						
LCSD 880-34181/3-A	Lab Control Sample Dup	122	130						
MB 880-34181/1-A	Method Blank	105	109						

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Crain Environmental Project/Site: Bobbi State WF Unit #003 Job ID: 880-17690-1

SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-31768/5-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 31768

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		08/08/22 13:11	08/11/22 02:38	1
	MR	MR							

MB MB

MD MD

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94	70 - 130	08/08/22 13:11	08/11/22 02:38	1
1,4-Difluorobenzene (Surr)	97	70 - 130	08/08/22 13:11	08/11/22 02:38	1

Lab Sample ID: LCS 880-31768/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 31768

		Spike	LCS	LCS				%Rec	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene		0.100	0.07179		mg/Kg		72	70 - 130	
Toluene		0.100	0.08341		mg/Kg		83	70 - 130	
Ethylbenzen	9	0.100	0.08799		mg/Kg		88	70 - 130	
m-Xylene &	p-Xylene	0.200	0.1838		mg/Kg		92	70 - 130	
o-Xylene		0.100	0.09228		mg/Kg		92	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: LCSD 880-31768/2-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 31768

LCSD LCSD Spike %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.07256 mg/Kg 73 70 - 130 35 Toluene 0.100 0.08266 mg/Kg 83 70 - 130 35 Ethylbenzene 0.100 0.08687 mg/Kg 87 70 - 130 35 0.200 m-Xylene & p-Xylene 0.1804 mg/Kg 90 70 - 130 2 35 o-Xylene 0.100 0.09054 mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: 890-2704-A-9-D MS

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 31768

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U	0.0998	0.08508		mg/Kg		85	70 - 130	
Toluene	<0.00199	U	0.0998	0.09438		mg/Kg		95	70 - 130	

QC Sample Results

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-2704-A-9-D MS

Lab Sample ID: 890-2704-A-9-E MSD

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 31768

	Sample	Sample	Spike	IVIS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	<0.00199	U	0.0998	0.09810		mg/Kg		98	70 - 130	
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2010		mg/Kg		101	70 - 130	
o-Xylene	<0.00199	U	0.0998	0.09903		mg/Kg		99	70 - 130	

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 31904

Prep Type: Total/NA

Prep Batch: 31768 **RPD**

Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit 0.100 Benzene <0.00199 U 0.1022 mg/Kg 102 70 - 130 18 35 Toluene <0.00199 U 0.100 0.09599 96 70 - 130 35 mg/Kg 2 Ethylbenzene <0.00199 U 0.100 0.09685 mg/Kg 96 70 - 130 35 m-Xylene & p-Xylene <0.00398 U 0.201 0.1954 mg/Kg 97 70 - 130 35 <0.00199 U 0.100 0.09572 95 70 - 130 o-Xylene mg/Kg

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-31769/5-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Method Blank Prep Type: Total/NA

Prep Batch: 31769

MB MB Result Qualifier **MDL** Unit Prepared Analyzed Analyte RL Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 08/08/22 13:23 08/10/22 14:40 Toluene <0.00200 U 0.00200 mg/Kg 08/08/22 13:23 08/10/22 14:40 08/08/22 13:23 08/10/22 14:40 Ethylbenzene <0.00200 U 0.00200 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 08/08/22 13:23 08/10/22 14:40 <0.00200 U 0.00200 08/08/22 13:23 08/10/22 14:40 o-Xylene mg/Kg Xylenes, Total <0.00400 U 0.00400 mg/Kg 08/08/22 13:23 08/10/22 14:40

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	08/08/22 13:23 08/10/22 14:40	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/08/22 13:23 08/10/22 14:40	1

Lab Sample ID: LCS 880-31769/1-A

Matrix: Solid

Analysis Batch: 31904

Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 31769

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09980		mg/Kg		100	70 - 130	
Toluene	0.100	0.09571		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.09946		mg/Kg		99	70 - 130	
m-Xylene & p-Xylene	0.200	0.2046		mg/Kg		102	70 - 130	

Prep Type: Total/NA

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 880-31769/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Prep Batch: 31769 **Analysis Batch: 31904** LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits o-Xylene 0 100 0.09984 mg/Kg 100 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 107 70 - 130 1,4-Difluorobenzene (Surr) 100 70 - 130

Lab Sample ID: 880-17690-6 MS Client Sample ID: SS-30 (2')

Matrix: Solid

Analysis Batch: 31904

Prep Batch: 31769 Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier %Rec Limits **Analyte** Unit D <0.00201 U Benzene 0.100 0.09015 mg/Kg 90 70 - 130 Toluene <0.00201 U 0.100 0.09789 mg/Kg 97 70 - 130 Ethylbenzene 0.100 0.09981 mg/Kg 99 70 - 130 <0.00201 U m-Xylene & p-Xylene <0.00402 U 0.201 0.2056 102 70 - 130 mg/Kg o-Xylene <0.00201 U 0.100 0.1003 mg/Kg 100 70 - 130

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 104 70 - 130 1,4-Difluorobenzene (Surr) 95 70 - 130

Lab Sample ID: 880-17690-6 MSD Client Sample ID: SS-30 (2')

Matrix: Solid

Analysis Batch: 31904

Prep Batch: 31769 Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits RPD Limit **Analyte** Unit D %Rec <0.00201 U Benzene 0.0998 0.08375 mg/Kg 84 70 - 130 7 35 Toluene <0.00201 U 0.0998 0.08778 mg/Kg 88 70 - 130 11 35 Ethylbenzene <0.00201 U 0.0998 0.08858 mg/Kg 89 70 - 130 12 35 m-Xylene & p-Xylene <0.00402 U 0.200 0.1816 mg/Kg 91 70 - 130 12 35 o-Xylene <0.00201 U 0.0998 0.08941 mg/Kg 90 70 - 130 11 35

MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 105 1,4-Difluorobenzene (Surr) 98 70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-34181/1-A

Matrix: Solid

Analysis Batch: 34171

	MB	MB						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	Ū	50.0	mg/Kg		09/12/22 08:48	09/12/22 10:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/12/22 08:48	09/12/22 10:56	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/12/22 08:48	09/12/22 10:56	1

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Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 34181

Client: Crain Environmental Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

MR MR

Lab Sample ID: MB 880-34181/1-A

Matrix: Solid

Analysis Batch: 34171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 34181

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105	70 - 130	09/12/22 08:48	09/12/22 10:56	1
o-Terphenyl	109	70 - 130	09/12/22 08:48	09/12/22 10:56	1

Lab Sample ID: LCS 880-34181/2-A **Client Sample ID: Lab Control Sample Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 34171 Prep Batch: 34181 %Rec Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 984.6 mg/Kg 98 70 - 130

1000

mg/Kg

100

70 - 130

1000

Diesel Range Organics (Over

C10-C28)

(GRO)-C6-C10

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 144 S1+ 70 - 130 70 - 130 o-Terphenyl 151 S1+

Lab Sample ID: LCSD 880-34181/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 34171

Prep Batch: 34181 Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec Gasoline Range Organics 765.3 *1 70 - 130 1000 mg/Kg 77 25 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 859.3 mg/Kg 86 70 - 130 15 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 122 70 - 130 o-Terphenyl 130 70 - 130

Lab Sample ID: 890-2907-A-1-C MS **Client Sample ID: Matrix Spike**

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 34171** Prep Batch: 34181 Sample Sample Spike MS MS %Rec

Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec <49.8 U F1 *1 998 611.1 F1 59 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.8 U 998 859.4 mg/Kg 83 70 - 130 C10-C28)

MS MS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 98 70 - 130 o-Terphenyl 93 70 - 130

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co., NM

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

MD MD

Lab Sample ID: 890-2907- <i>I</i>	A-1-D MSD			Client Sample ID: Matrix Spike Duplicat							
Matrix: Solid									Prep Ty	/pe: Tot	al/NA
Analysis Batch: 34171						Prep	Batch: 3	34181			
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit

	•	•	•								
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.8	U F1 *1	995	585.4	F1	mg/Kg		57	70 - 130	4	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.8	U	995	865.7		mg/Kg		84	70 - 130	1	20
C10-C28)											

MSD	MSD	
%Recovery	Qualifier	Limits
99		70 - 130
93		70 - 130
	%Recovery	••

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-31561/1-A **Client Sample ID: Method Blank Matrix: Solid Prep Type: Soluble**

Analysis Batch: 32162

	1410	1410							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			08/15/22 10:25	1

Prep Type: Soluble Matrix: Solid Analysis Batch: 32162 Spike LCS LCS %Rec

Analyte Added Result Qualifier Limits Unit D %Rec Chloride 250 235.3 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-31561/3-A

Lab Sample ID: LCS 880-31561/2-A

Matrix: Solid

Analysis Batch: 32162

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	238.9		ma/Ka		96	90 - 110		20	

Lab Sample ID: 880-17690-1 MS Client Sample ID: SS-1 (2.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	101		250	352.3		ma/Ka	_	100	90 - 110	

Lab Sample ID: 880-17690-1 MSD Client Sample ID: SS-1 (2.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 32162

•	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	101		250	355.1		mg/Kg		101	90 - 110	1	20

QC Sample Results

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003

SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-17770-A-1-C MS **Client Sample ID: Matrix Spike**

Matrix: Solid Prep Type: Soluble Analysis Batch: 32162

%Rec Sample Sample Spike MS MS Result Qualifier Analyte Result Qualifier Added Unit D %Rec Limits Chloride 249 901 F1 1097 F1 mg/Kg 79 90 - 110

Lab Sample ID: 880-17770-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 32162 Sample Sample Spike MSD MSD %Rec **RPD**

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 901 F1 249 1097 F1 90 - 110 0 mg/Kg 79

QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

GC VOA

Prep Batch: 31768

Lab Sample ID MB 880-31768/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 31769

Lab Sample ID 880-17690-6	Client Sample ID SS-30 (2')	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Bato
MB 880-31769/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	5035	
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	5035	
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	5035	

Analysis Batch: 31904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	8021B	31769
MB 880-31768/5-A	Method Blank	Total/NA	Solid	8021B	31768
MB 880-31769/5-A	Method Blank	Total/NA	Solid	8021B	31769
LCS 880-31768/1-A	Lab Control Sample	Total/NA	Solid	8021B	31768
LCS 880-31769/1-A	Lab Control Sample	Total/NA	Solid	8021B	31769
LCSD 880-31768/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	31768
880-17690-6 MS	SS-30 (2')	Total/NA	Solid	8021B	31769
880-17690-6 MSD	SS-30 (2')	Total/NA	Solid	8021B	31769
890-2704-A-9-D MS	Matrix Spike	Total/NA	Solid	8021B	31768
890-2704-A-9-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	31768

Analysis Batch: 31981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-6	SS-30 (2')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 34171

_					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-5	SS-28 (2')	Total/NA	Solid	8015B NM	34181
MB 880-34181/1-A	Method Blank	Total/NA	Solid	8015B NM	34181
LCS 880-34181/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	34181
LCSD 880-34181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	34181
890-2907-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	34181
890-2907-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	34181

Prep Batch: 34181

Lab Sample ID 880-17690-5	Client Sample ID SS-28 (2')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-34181/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-34181/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-34181/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2907-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2907-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1 SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 34380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-5	SS-28 (2')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 31561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	DI Leach	_
880-17690-2	SS-23 (2.5')	Soluble	Solid	DI Leach	
880-17690-3	SS-8 (2.5')	Soluble	Solid	DI Leach	
880-17690-4	SS-27 (2')	Soluble	Solid	DI Leach	
880-17690-5	SS-28 (2')	Soluble	Solid	DI Leach	
880-17690-6	SS-30 (2')	Soluble	Solid	DI Leach	
MB 880-31561/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	DI Leach	
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 32162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-17690-1	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-2	SS-23 (2.5')	Soluble	Solid	300.0	31561
880-17690-3	SS-8 (2.5')	Soluble	Solid	300.0	31561
880-17690-4	SS-27 (2')	Soluble	Solid	300.0	31561
880-17690-5	SS-28 (2')	Soluble	Solid	300.0	31561
880-17690-6	SS-30 (2')	Soluble	Solid	300.0	31561
MB 880-31561/1-A	Method Blank	Soluble	Solid	300.0	31561
LCS 880-31561/2-A	Lab Control Sample	Soluble	Solid	300.0	31561
LCSD 880-31561/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	31561
880-17690-1 MS	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17690-1 MSD	SS-1 (2.5')	Soluble	Solid	300.0	31561
880-17770-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	31561
880-17770-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	31561

Job ID: 880-17690-1

SDG: Lea Co., NM

Client Sample ID: SS-1 (2.5')

Date Collected: 08/02/22 12:10 Date Received: 08/03/22 14:59

Lab Sample ID: 880-17690-1

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 10:53	CH	EET MID

Lab Sample ID: 880-17690-2 Client Sample ID: SS-23 (2.5') Matrix: Solid

Date Collected: 08/02/22 12:15 Date Received: 08/03/22 14:59

	_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
1	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Soluble	Leach	DI Leach			5.03 g	50 mL	31561	08/05/22 10:34	CH	EET MID
	Soluble	Analysis	300.0		1			32162	08/15/22 11:21	CH	EET MID

Client Sample ID: SS-8 (2.5') Lab Sample ID: 880-17690-3

Date Collected: 08/02/22 12:20

Date Received: 08/03/22 14:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	31561	08/05/22 10:34	СН	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:30	СН	EET MID

Client Sample ID: SS-27 (2') Lab Sample ID: 880-17690-4 Date Collected: 08/02/22 12:25 **Matrix: Solid**

Date Received: 08/03/22 14:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:39	CH	EET MID

Client Sample ID: SS-28 (2') Lab Sample ID: 880-17690-5 Date Collected: 08/02/22 12:30 **Matrix: Solid**

Date Received: 08/03/22 14:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			34380	09/13/22 10:25	SM	EET MIC
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	34181	09/12/22 08:48	AM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	34171	09/12/22 15:19	SM	EET MIC
Soluble	Leach	DI Leach			5.01 g	50 mL	31561	08/05/22 10:34	CH	EET MID
Soluble	Analysis	300.0		1			32162	08/15/22 11:48	CH	EET MID

Client Sample ID: SS-30 (2') Lab Sample ID: 880-17690-6 Date Collected: 08/02/22 12:35 Matrix: Solid

Date Received: 08/03/22 14:59

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	31769	08/08/22 13:23	MR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	31904	08/10/22 15:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			31981	08/11/22 10:28	SM	EET MID

Date Received: 08/03/22 14:59

Lab Chronicle

Client: Crain Environmental Job ID: 880-17690-1 Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Client Sample ID: SS-30 (2') Lab Sample ID: 880-17690-6 Date Collected: 08/02/22 12:35

Matrix: Solid

Batch Batch Dil Initial Batch Final Prepared **Prep Type** Method **Factor** Number or Analyzed Analyst Type Run **Amount Amount** Lab Soluble DI Leach 50 mL 31561 08/05/22 10:34 CH EET MID Leach 5 g 300.0 08/15/22 12:16 CH Soluble Analysis 32162 **EET MID** 1

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-17690-1
Project/Site: Bobbi State WF Unit #003 SDG: Lea Co., NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-22-24	06-30-23
The following analyte the agency does not	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
the agency accorner	oner certification.			
Analysis Method	Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	

3

0

0

10

12

13

12

Method Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Crain Environmental

Project/Site: Bobbi State WF Unit #003

Job ID: 880-17690-1

SDG: Lea Co., NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-17690-1	SS-1 (2.5')	Solid	08/02/22 12:10	08/03/22 14:59	2.5'
880-17690-2	SS-23 (2.5')	Solid	08/02/22 12:15	08/03/22 14:59	2.5'
880-17690-3	SS-8 (2.5')	Solid	08/02/22 12:20	08/03/22 14:59	2.5'
880-17690-4	SS-27 (2')	Solid	08/02/22 12:25	08/03/22 14:59	2'
880-17690-5	SS-28 (2')	Solid	08/02/22 12:30	08/03/22 14:59	2'
880-17690-6	SS-30 (2')	Solid	08/02/22 12:35	08/03/22 14:59	2'

* eurofins

Xenco

Environment Testing

Chain of Custody

Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas TX (214) 902-0300

Manager Cirdly Croin Bill to: If different Raph Whame: Croin Crivic pon months Company Name: Chack Sample Company Name: Class Tamber Chack Sample Chack Tamber Chack Tamber Chack Tamber Chack Cha			6								
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WWW.xenco.com Page ot Work Order Comments Work Order Comments N/A N/A PRP Brownfields RRC TRRP TRRP DD ADaPT Other EDD ADaPT Other Other Preservative Comments None NO DI Cool Cool Me HCL. HC HN H₂SO₄ H₂ NaBIS Na₂S₂O₃ NaSO₃ Zn Acetate+NaOH Zr NaOH+Ascorbic Acid Sample Comments Sample Comments Se Ag SiO₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470/7471 HIN HIN HIN Se Ag SiO₂ Na Sr TI Sn U V Zn Hg 1631/2451/7470/7471 HIN HIN HIN Hg 1631/2451/7470/7471 HIN HIN HIN HIN Hg 1631/2451/7470/7471 HIN HIN HIN HIN Work Order Comments None No DI Preservative Comments None No DI None NO DI None NO DI Na H₂SO₄ H₂ Na BIS Na H₂SO₄ H₂ Na BIS		s previously negotiated.	not analyzed. These terms will be enforced unles	ırofins Xenco, but n	witted to Eu	or each sample subn	and a charge of \$5 f	beach project	35.00 will be applied	um charge of \$8	urofins Xenco. A minin
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Manager Cindy Crain Bill to: (if different) Ralph Butler Work Order Comments						day received by	TAT starts the		\sim	L'inay	pler's Name:
Manager Cindy Cosio Bill to: (lif different) Ralph Butler Butler Www.xenco.com Page other other sy. Name: Craio Covironmental Company Name: Cland / Surdowo Surdowo Program: UST/PST PRP Brownfields RRC State of Project: NM ite ZIP Odesa, 7X 79761 Email City, State ZIP Dallas, 7X 75248 Program: UST/PST PRP Brownfields RRC State of Project: NM Name: 675) 441-7244 Email City, State ZIP Dallas, 7X 75248 Reporting Level III Level III PST/UST TRRP Other Name: Deliverables. EDD ADAPT Other Number: Deliverables. EDD ADAPT Other None NO DI						8/10/22	Due Date.			Lea (Project Location
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Manager Cindy Crain Bill to: (if different) Ralph Butler Work Order Comments yyName: Crain Covir on mental Company Name: Cland / Surdown Surdown Program: UST/PST PRP Brownfields RRC s. 2925 €. 17+ 51. Address: 10400 Dallas Pkwy, 512.100 State of Project: N M tte ZIP Odessa, 78 7976 City, State ZIP Dallas, 78 75248 Reporting Level III Level III PST/UST TRRP (575) 441-7244 Email Liraly. Crain & armail. Loan Dallas, 78 75248 Deliverables. EDD ADaPT Other	Preservative Codes	EST				Around		山が井ののき	JW 474C	क्ष्मिक्ट्र	Project Name.
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Work Order No: 17610

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-17690-1 SDG Number: Lea Co., NM

Login Number: 17690 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
ls the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

<6mm (1/4").

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 142216

CONDITIONS

Operator:	OGRID:
SUNDOWN ENERGY LP	232611
16400 Dallas Pkwy	Action Number:
Dallas, TX 75248	142216
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Amended lab data attached to report for sample SS-28.	9/14/2022