



x = Sample Points





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ANALYTICAL REPORT

PREPARED FOR

Attn: Oakley Hayes
Harvest
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Generated 3/28/2024 2:58:09 PM

JOB DESCRIPTION

Mc Clanahan 21

JOB NUMBER

885-1522-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

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Client: Harvest
Project/Site: Mc Clanahan 21

Laboratory Job ID: 885-1522-1

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Definitions/Glossary

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

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
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: Harvest
Project: Mc Clanahan 21

Job ID: 885-1522-1

Job ID: 885-1522-1Eurofins Albuquerque

Job Narrative
885-1522-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/21/2024 6:45 AM. 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 0.8°C.

Gasoline Range Organics

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

GC VOA

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

Diesel Range Organics

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

HPLC/IC

Method 300_OF_28D_PREC: The following samples were diluted due to the nature of the sample matrix: Bottom (885-1522-1), Wall 1 (885-1522-2), Wall 2 (885-1522-3), Section1 (885-1522-4), Section 2 (885-1522-5) and Wash (885-1522-6). 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.

Eurofins Albuquerque

Client Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Bottom

Lab Sample ID: 885-1522-1

Date Collected: 03/20/24 13:40

Matrix: Solid

Date Received: 03/21/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.1	mg/Kg		03/21/24 09:15	03/21/24 10:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			03/21/24 09:15	03/21/24 10:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/21/24 09:15	03/21/24 10:25	1
Ethylbenzene	ND		0.051	mg/Kg		03/21/24 09:15	03/21/24 10:25	1
Toluene	ND		0.051	mg/Kg		03/21/24 09:15	03/21/24 10:25	1
Xylenes, Total	ND		0.10	mg/Kg		03/21/24 09:15	03/21/24 10:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/21/24 09:15	03/21/24 10:25	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		03/21/24 08:57	03/21/24 10:53	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/21/24 08:57	03/21/24 10:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/21/24 08:57	03/21/24 10:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 11:00	20

Client Sample ID: Wall 1

Lab Sample ID: 885-1522-2

Date Collected: 03/20/24 13:45

Matrix: Solid

Date Received: 03/21/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.4	mg/Kg		03/21/24 09:15	03/21/24 10:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			03/21/24 09:15	03/21/24 10:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		03/21/24 09:15	03/21/24 10:49	1
Ethylbenzene	ND		0.044	mg/Kg		03/21/24 09:15	03/21/24 10:49	1
Toluene	ND		0.044	mg/Kg		03/21/24 09:15	03/21/24 10:49	1
Xylenes, Total	ND		0.088	mg/Kg		03/21/24 09:15	03/21/24 10:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			03/21/24 09:15	03/21/24 10:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/21/24 08:57	03/21/24 11:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/21/24 08:57	03/21/24 11:05	1

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Client Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Wall 1

Date Collected: 03/20/24 13:45

Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-2

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134	03/21/24 08:57	03/21/24 11:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 11:12	20

Client Sample ID: Wall 2

Date Collected: 03/20/24 13:50

Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-3

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.0	mg/Kg		03/21/24 09:15	03/21/24 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244	03/21/24 09:15	03/21/24 11:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		03/21/24 09:15	03/21/24 11:12	1
Ethylbenzene	ND		0.040	mg/Kg		03/21/24 09:15	03/21/24 11:12	1
Toluene	ND		0.040	mg/Kg		03/21/24 09:15	03/21/24 11:12	1
Xylenes, Total	ND		0.079	mg/Kg		03/21/24 09:15	03/21/24 11:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/21/24 09:15	03/21/24 11:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/21/24 08:57	03/21/24 11:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/21/24 08:57	03/21/24 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134	03/21/24 08:57	03/21/24 11:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 11:25	20

Client Sample ID: Section1

Date Collected: 03/20/24 13:55

Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-4

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		03/21/24 09:15	03/21/24 11:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244	03/21/24 09:15	03/21/24 11:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		03/21/24 09:15	03/21/24 11:36	1

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Client Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Section1

Date Collected: 03/20/24 13:55

Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-4

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.035	mg/Kg		03/21/24 09:15	03/21/24 11:36	1
Toluene	ND		0.035	mg/Kg		03/21/24 09:15	03/21/24 11:36	1
Xylenes, Total	ND		0.069	mg/Kg		03/21/24 09:15	03/21/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/21/24 09:15	03/21/24 11:36	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/21/24 08:57	03/21/24 11:29	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/21/24 08:57	03/21/24 11:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			03/21/24 08:57	03/21/24 11:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 11:37	20

Client Sample ID: Section 2

Date Collected: 03/20/24 14:00

Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-5

Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.1	mg/Kg		03/21/24 09:15	03/21/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			03/21/24 09:15	03/21/24 11:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		03/21/24 09:15	03/21/24 11:59	1
Ethylbenzene	ND		0.041	mg/Kg		03/21/24 09:15	03/21/24 11:59	1
Toluene	ND		0.041	mg/Kg		03/21/24 09:15	03/21/24 11:59	1
Xylenes, Total	ND		0.082	mg/Kg		03/21/24 09:15	03/21/24 11:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/21/24 09:15	03/21/24 11:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/21/24 08:57	03/21/24 11:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/21/24 08:57	03/21/24 11:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			03/21/24 08:57	03/21/24 11:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 11:49	20

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Client Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Wash

Lab Sample ID: 885-1522-6

Date Collected: 03/20/24 14:05

Matrix: Solid

Date Received: 03/21/24 06:45

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.0	mg/Kg		03/21/24 09:15	03/21/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			03/21/24 09:15	03/21/24 12:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.015	mg/Kg		03/21/24 09:15	03/21/24 12:23	1
Ethylbenzene	ND		0.030	mg/Kg		03/21/24 09:15	03/21/24 12:23	1
Toluene	ND		0.030	mg/Kg		03/21/24 09:15	03/21/24 12:23	1
Xylenes, Total	ND		0.060	mg/Kg		03/21/24 09:15	03/21/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/21/24 09:15	03/21/24 12:23	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/21/24 08:57	03/21/24 11:53	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/21/24 08:57	03/21/24 11:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			03/21/24 08:57	03/21/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/21/24 08:58	03/21/24 12:02	20

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QC Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-2066/1-A

Matrix: Solid

Analysis Batch: 2123

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		03/21/24 09:15	03/21/24 10:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			03/21/24 09:15	03/21/24 10:01	1

Lab Sample ID: LCS 885-2066/2-A

Matrix: Solid

Analysis Batch: 2123

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	28.4		mg/Kg		114	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	217		15 - 244				

Lab Sample ID: 885-1522-1 MS

Matrix: Solid

Analysis Batch: 2123

Client Sample ID: Bottom

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		25.3	28.0		mg/Kg		111	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	215		15 - 244						

Lab Sample ID: 885-1522-1 MSD

Matrix: Solid

Analysis Batch: 2123

Client Sample ID: Bottom

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		25.3	26.9		mg/Kg		106	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	211		15 - 244								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-2066/1-A

Matrix: Solid

Analysis Batch: 2124

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/21/24 09:15	03/21/24 10:01	1
Ethylbenzene	ND		0.050	mg/Kg		03/21/24 09:15	03/21/24 10:01	1
Toluene	ND		0.050	mg/Kg		03/21/24 09:15	03/21/24 10:01	1

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QC Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

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

Lab Sample ID: MB 885-2066/1-A

Matrix: Solid

Analysis Batch: 2124

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2066

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		03/21/24 09:15	03/21/24 10:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/21/24 09:15	03/21/24 10:01	1

Lab Sample ID: LCS 885-2066/3-A

Matrix: Solid

Analysis Batch: 2124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.947		mg/Kg		95	70 - 130
Ethylbenzene	1.00	0.963		mg/Kg		96	70 - 130
m,p-Xylene	2.00	1.95		mg/Kg		98	70 - 130
o-Xylene	1.00	0.954		mg/Kg		95	70 - 130
Toluene	1.00	0.957		mg/Kg		96	70 - 130
Xylenes, Total	3.00	2.91		mg/Kg		97	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	98		39 - 146				

Lab Sample ID: 885-1522-2 MS

Matrix: Solid

Analysis Batch: 2124

Client Sample ID: Wall 1

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.876	0.786		mg/Kg		90	70 - 130
Ethylbenzene	ND		0.876	0.811		mg/Kg		92	70 - 130
m,p-Xylene	ND		1.75	1.65		mg/Kg		94	70 - 130
o-Xylene	ND		0.876	0.797		mg/Kg		91	70 - 130
Toluene	ND		0.876	0.803		mg/Kg		92	70 - 130
Xylenes, Total	ND		2.63	2.44		mg/Kg		93	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		39 - 146						

Lab Sample ID: 885-1522-2 MSD

Matrix: Solid

Analysis Batch: 2124

Client Sample ID: Wall 1

Prep Type: Total/NA

Prep Batch: 2066

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.876	0.782		mg/Kg		89	70 - 130	0	20
Ethylbenzene	ND		0.876	0.807		mg/Kg		92	70 - 130	0	20
m,p-Xylene	ND		1.75	1.62		mg/Kg		93	70 - 130	1	20
o-Xylene	ND		0.876	0.791		mg/Kg		90	70 - 130	1	20
Toluene	ND		0.876	0.789		mg/Kg		90	70 - 130	2	20
Xylenes, Total	ND		2.63	2.42		mg/Kg		92	70 - 130	1	20

Eurofins Albuquerque

QC Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

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

Lab Sample ID: 885-1522-2 MSD
Matrix: Solid
Analysis Batch: 2124

Client Sample ID: Wall 1
Prep Type: Total/NA
Prep Batch: 2066

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		39 - 146

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

Lab Sample ID: MB 885-2058/1-A
Matrix: Solid
Analysis Batch: 2103

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2058

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/21/24 08:57	03/21/24 09:28	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/21/24 08:57	03/21/24 09:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			03/21/24 08:57	03/21/24 09:28	1

Lab Sample ID: LCS 885-2058/2-A
Matrix: Solid
Analysis Batch: 2103

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.7		mg/Kg		97	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	84		62 - 134				

Lab Sample ID: 885-1522-6 MS
Matrix: Solid
Analysis Batch: 2103

Client Sample ID: Wash
Prep Type: Total/NA
Prep Batch: 2058

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.4	47.4		mg/Kg		100	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	86		62 - 134						

Lab Sample ID: 885-1522-6 MSD
Matrix: Solid
Analysis Batch: 2103

Client Sample ID: Wash
Prep Type: Total/NA
Prep Batch: 2058

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.4	45.2		mg/Kg		92	44 - 136	5	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	82		62 - 134								

Eurofins Albuquerque

QC Sample Results

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-2060/1-A
Matrix: Solid
Analysis Batch: 2095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2060

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		03/21/24 08:58	03/21/24 10:02	1

Lab Sample ID: LCS 885-2060/2-A
Matrix: Solid
Analysis Batch: 2095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2060

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.0		mg/Kg		97	90 - 110

QC Association Summary

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

GC VOA

Prep Batch: 2066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	5035	
885-1522-2	Wall 1	Total/NA	Solid	5035	
885-1522-3	Wall 2	Total/NA	Solid	5035	
885-1522-4	Section1	Total/NA	Solid	5035	
885-1522-5	Section 2	Total/NA	Solid	5035	
885-1522-6	Wash	Total/NA	Solid	5035	
MB 885-2066/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-2066/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-2066/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-1522-1 MS	Bottom	Total/NA	Solid	5035	
885-1522-1 MSD	Bottom	Total/NA	Solid	5035	
885-1522-2 MS	Wall 1	Total/NA	Solid	5035	
885-1522-2 MSD	Wall 1	Total/NA	Solid	5035	

Analysis Batch: 2123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	8015D	2066
885-1522-2	Wall 1	Total/NA	Solid	8015D	2066
885-1522-3	Wall 2	Total/NA	Solid	8015D	2066
885-1522-4	Section1	Total/NA	Solid	8015D	2066
885-1522-5	Section 2	Total/NA	Solid	8015D	2066
885-1522-6	Wash	Total/NA	Solid	8015D	2066
MB 885-2066/1-A	Method Blank	Total/NA	Solid	8015D	2066
LCS 885-2066/2-A	Lab Control Sample	Total/NA	Solid	8015D	2066
885-1522-1 MS	Bottom	Total/NA	Solid	8015D	2066
885-1522-1 MSD	Bottom	Total/NA	Solid	8015D	2066

Analysis Batch: 2124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	8021B	2066
885-1522-2	Wall 1	Total/NA	Solid	8021B	2066
885-1522-3	Wall 2	Total/NA	Solid	8021B	2066
885-1522-4	Section1	Total/NA	Solid	8021B	2066
885-1522-5	Section 2	Total/NA	Solid	8021B	2066
885-1522-6	Wash	Total/NA	Solid	8021B	2066
MB 885-2066/1-A	Method Blank	Total/NA	Solid	8021B	2066
LCS 885-2066/3-A	Lab Control Sample	Total/NA	Solid	8021B	2066
885-1522-2 MS	Wall 1	Total/NA	Solid	8021B	2066
885-1522-2 MSD	Wall 1	Total/NA	Solid	8021B	2066

GC Semi VOA

Prep Batch: 2058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	SHAKE	
885-1522-2	Wall 1	Total/NA	Solid	SHAKE	
885-1522-3	Wall 2	Total/NA	Solid	SHAKE	
885-1522-4	Section1	Total/NA	Solid	SHAKE	
885-1522-5	Section 2	Total/NA	Solid	SHAKE	
885-1522-6	Wash	Total/NA	Solid	SHAKE	
MB 885-2058/1-A	Method Blank	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

GC Semi VOA (Continued)

Prep Batch: 2058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-2058/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-1522-6 MS	Wash	Total/NA	Solid	SHAKE	
885-1522-6 MSD	Wash	Total/NA	Solid	SHAKE	

Analysis Batch: 2103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	8015D	2058
885-1522-2	Wall 1	Total/NA	Solid	8015D	2058
885-1522-3	Wall 2	Total/NA	Solid	8015D	2058
885-1522-4	Section1	Total/NA	Solid	8015D	2058
885-1522-5	Section 2	Total/NA	Solid	8015D	2058
885-1522-6	Wash	Total/NA	Solid	8015D	2058
MB 885-2058/1-A	Method Blank	Total/NA	Solid	8015D	2058
LCS 885-2058/2-A	Lab Control Sample	Total/NA	Solid	8015D	2058
885-1522-6 MS	Wash	Total/NA	Solid	8015D	2058
885-1522-6 MSD	Wash	Total/NA	Solid	8015D	2058

HPLC/IC

Prep Batch: 2060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	300_Prep	
885-1522-2	Wall 1	Total/NA	Solid	300_Prep	
885-1522-3	Wall 2	Total/NA	Solid	300_Prep	
885-1522-4	Section1	Total/NA	Solid	300_Prep	
885-1522-5	Section 2	Total/NA	Solid	300_Prep	
885-1522-6	Wash	Total/NA	Solid	300_Prep	
MB 885-2060/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-2060/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 2095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1522-1	Bottom	Total/NA	Solid	300.0	2060
885-1522-2	Wall 1	Total/NA	Solid	300.0	2060
885-1522-3	Wall 2	Total/NA	Solid	300.0	2060
885-1522-4	Section1	Total/NA	Solid	300.0	2060
885-1522-5	Section 2	Total/NA	Solid	300.0	2060
885-1522-6	Wash	Total/NA	Solid	300.0	2060
MB 885-2060/1-A	Method Blank	Total/NA	Solid	300.0	2060
LCS 885-2060/2-A	Lab Control Sample	Total/NA	Solid	300.0	2060

Eurofins Albuquerque

Lab Chronicle

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Bottom

Lab Sample ID: 885-1522-1

Date Collected: 03/20/24 13:40

Matrix: Solid

Date Received: 03/21/24 06:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 10:25
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 10:25
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 10:53
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 11:00

Client Sample ID: Wall 1

Lab Sample ID: 885-1522-2

Date Collected: 03/20/24 13:45

Matrix: Solid

Date Received: 03/21/24 06:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 10:49
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 10:49
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 11:05
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 11:12

Client Sample ID: Wall 2

Lab Sample ID: 885-1522-3

Date Collected: 03/20/24 13:50

Matrix: Solid

Date Received: 03/21/24 06:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 11:12
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 11:12
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 11:17
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 11:25

Client Sample ID: Section1

Lab Sample ID: 885-1522-4

Date Collected: 03/20/24 13:55

Matrix: Solid

Date Received: 03/21/24 06:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 11:36

Eurofins Albuquerque

Lab Chronicle

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Client Sample ID: Section1
Date Collected: 03/20/24 13:55
Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 11:36
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 11:29
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 11:37

Client Sample ID: Section 2
Date Collected: 03/20/24 14:00
Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 11:59
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 11:59
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 11:41
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 11:49

Client Sample ID: Wash
Date Collected: 03/20/24 14:05
Date Received: 03/21/24 06:45

Lab Sample ID: 885-1522-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8015D		1	2123	JP	EET ALB	03/21/24 12:23
Total/NA	Prep	5035			2066	JP	EET ALB	03/21/24 09:15
Total/NA	Analysis	8021B		1	2124	JP	EET ALB	03/21/24 12:23
Total/NA	Prep	SHAKE			2058	JU	EET ALB	03/21/24 08:57
Total/NA	Analysis	8015D		1	2103	JU	EET ALB	03/21/24 11:53
Total/NA	Prep	300_Prep			2060	JT	EET ALB	03/21/24 08:58
Total/NA	Analysis	300.0		20	2095	JT	EET ALB	03/21/24 12:02

Laboratory References:
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5035	Solid	Gasoline Range Organics [C6 - C10]
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5035	Solid	Benzene
8021B	5035	Solid	Ethylbenzene
8021B	5035	Solid	Toluene
8021B	5035	Solid	Xylenes, Total
Oregon	NELAP	NM100001	02-26-25

Method Summary

Client: Harvest
Project/Site: Mc Clanahan 21

Job ID: 885-1522-1

Method	Method Description	Protocol	Laboratory
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET ALB
8021B	Volatile Organic Compounds (GC)	SW846	EET ALB
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET ALB
300.0	Anions, Ion Chromatography	EPA	EET ALB
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	EPA	EET ALB
5035	Closed System Purge and Trap	SW846	EET ALB
SHAKE	Preparation, Shake Jar	TestAmerica SOP	EET ALB

Protocol References:

- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

- EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Chain-of-Custody Record

Client: HCS 165+

Project Name: MacClanahan 21

Project #: _____

Phone #: 505 320 8621

email or Fax#: Ched.Spell@HallEnvironmental.com

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

EDD (Type): _____

Turn-Around Time: ☐ Standard ☒ Rush Same Day

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87101 885-1522 COC

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Project Manager: Ched Spell

Sampler: Ched Spell

On Ice: ☒ Yes ☐ No monty

of Coolers: 1

Cooler Temp (including CP): 0.9-0.1=0.8 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
3-20-24	1:40pm	Soil	Bottom	1) 4.2 Jar	Cool	1
	1:45pm		Wall 1			2
	1:50pm		Wall 2			3
	1:55pm		Section 1			4
	2:00pm		Section 2			5
	2:05pm		Wash			6

TPH:8015D(GRO / DRO / MRO) ☒

8081 Pesticides/8082 PCB's ☐

EDB (Method 504.1) ☐

PAHs by 8310 or 8270SIMS ☐

RCRA 8 Metals ☐

Cd, F, Hg, NO₃, NO₂, Pb, PO₄, SO₄ ☒

8260 (VOA) ☐

8270 (Semi-VOA) ☐

Total Coliform (Present/Absent) ☐

Remarks: Received by: JMWAS Date 3/26/24 Time 1524

Received by: JMWAS Date 3/26/24 Time 1524

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

1
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Login Sample Receipt Checklist

Client: Harvest

Job Number: 885-1522-1

Login Number: 1522

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
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.	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 $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

1.98 Miles



Clear

Release Point
Elevation - 5749ft

SJ 03746 POD 1
Distance to water = 40ft
Elevation = 5833ft



New Mexico Office of the State Engineer
Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	SJ 03746 POD1	3	2	1	20	28N	09W	248330	4059955* 
Driller License:	1508	Driller Company:				HARGIS CONSULTING WATER WELL			
Driller Name:	HARGIS, WILLIAM CALVIN								
Drill Start Date:	08/08/2006	Drill Finish Date:				12/31/2006	Plug Date:		
Log File Date:	02/27/2007	PCW Rcv Date:					Source:	Shallow	
Pump Type:		Pipe Discharge Size:					Estimated Yield:	5 GPM	
Casing Size:	7.00	Depth Well:				190 feet	Depth Water:	40 feet	
Water Bearing Stratifications:		Top	Bottom	Description					
		80	82	Sandstone/Gravel/Conglomerate					
		90	91	Sandstone/Gravel/Conglomerate					
Casing Perforations 		Top	Bottom						
		80	98						
		90	180						

*UTM location was derived from PLSS - see Help

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

4/2/24 8:29 AM POINT OF DIVERSION SUMMARY

McClanahan 21 Sample Results Table

Sample Name	Description	Date	Time	GRO	DRO	DRO + GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD		NA	NA	NA	NA	100	NA	100	10	NA	NA	NA	50	600	200 sq ft
				PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	
Bottom	Composite	3/20/2024	1:40 PM	<5.1	<9.6	<100	<48	<100	<0.025	<0.051	<0.051	<0.10	<50	<60	80
Wall 1	Composite	3/20/2024	1:45 PM	<4.4	<9.9	<100	<50	<100	<0.022	<0.044	<0.044	<0.088	<50	<60	52
Wall 2	Composite	3/20/2024	1:50 PM	<4	<9.4	<100	<47	<100	<0.020	<0.040	<0.040	<0.079	<50	<60	52
Section 1	Composite	3/20/2024	1:55 PM	<3.5	<9.4	<100	<47	<100	<0.017	<0.035	<0.035	<0.069	<50	<60	171
Section 2	Composite	3/20/2024	2:00 PM	<4.1	<9.7	<100	<49	<100	<0.020	<0.041	<0.041	<0.082	<50	<60	99
Wash	Composite	3/20/2024	2:05 PM	<3.0	<9.3	<100	<46	<100	<0.015	<0.030	<0.030	<0.60	<50	<60	180

Harvest Midstream
Photo Page
McClanahan 21
Lat: 36.6666674 Long: -107.8469065



Photo 1: 3/8/2024 Release point

Harvest Midstream
Photo Page
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Photo 2: 3/8/2024 Contaminated Area

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Photo 3: 3/8/2024 Contaminated Area in dry wash.

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Photo Page
McClanahan 21
Lat: 36.6666674 Long: -107.8469065

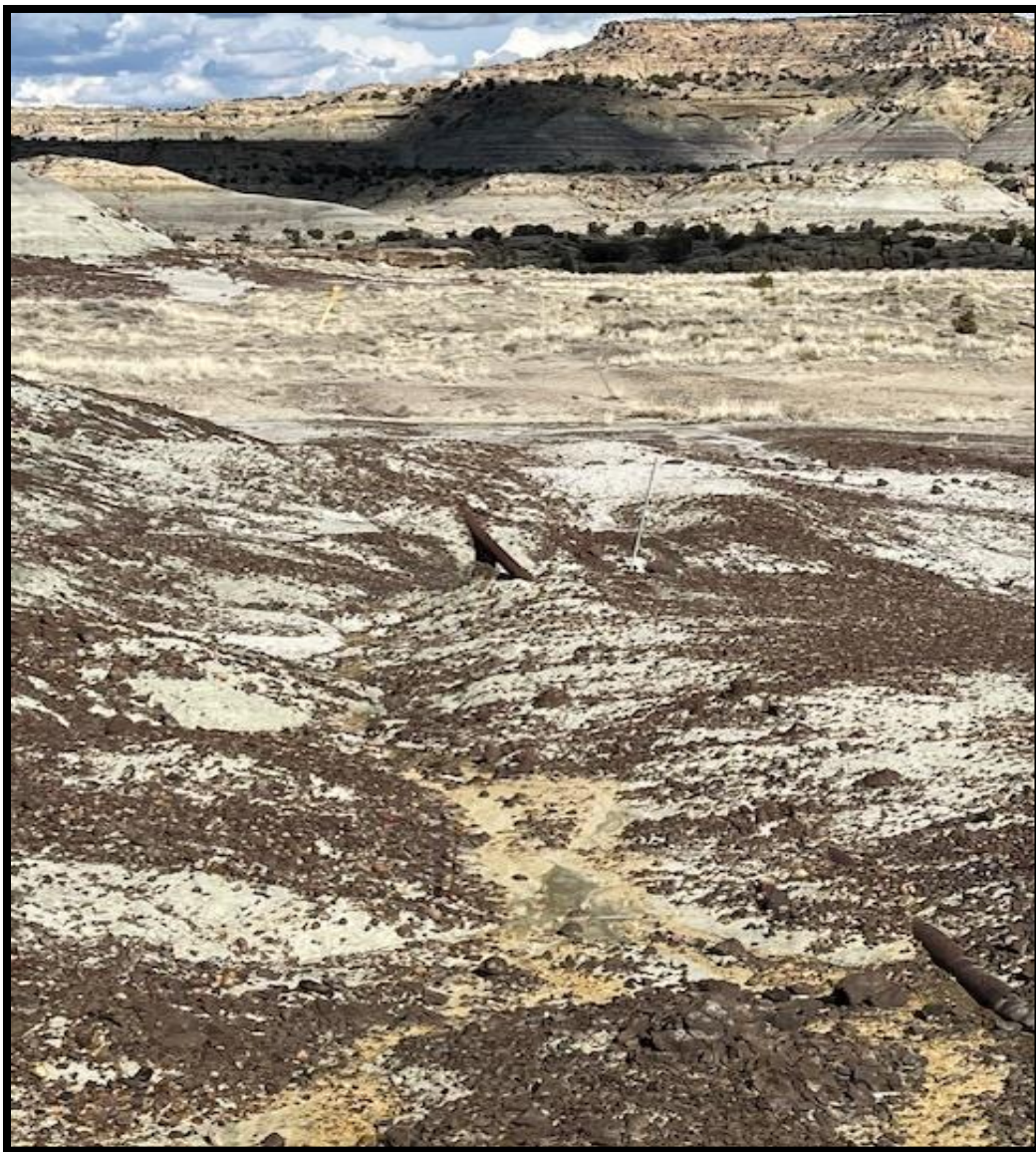


Photo 4: Contaminated Area in drainage area.

Harvest Midstream
Photo Page
McClanahan 21
Lat: 36.6666674 Long: -107.8469065

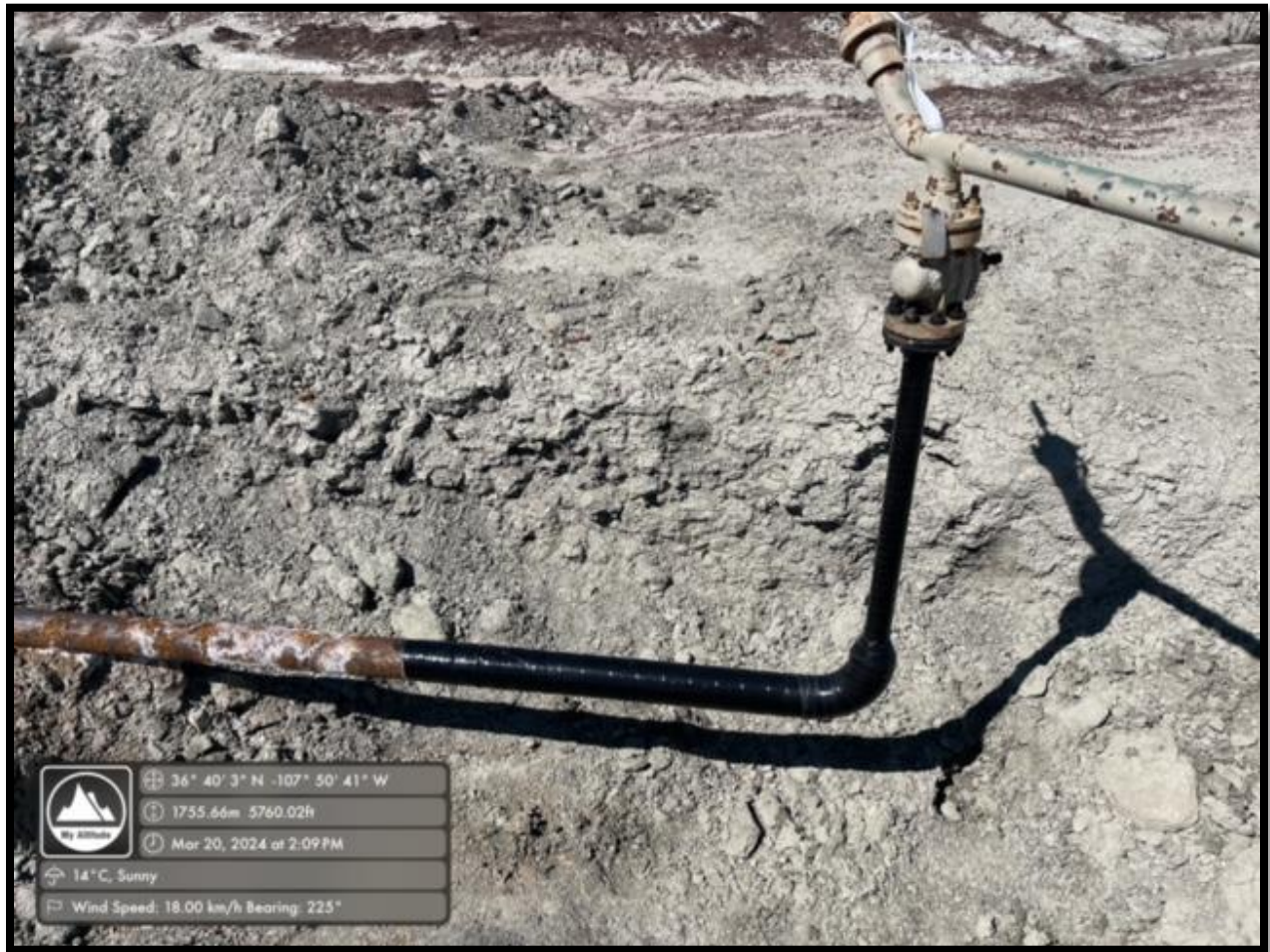


Photo 5 : Excavated area from sampling event on 3/20/2024 facing "Wall 1" and "Bottom"

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Lat: 36.6666674 Long: -107.8469065



Photo 6: Excavation area from sampling event on 3/20.2024

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Photo 7: Sampling Event on 3/20/2024 facing "Wall 2" and "Bottom" .

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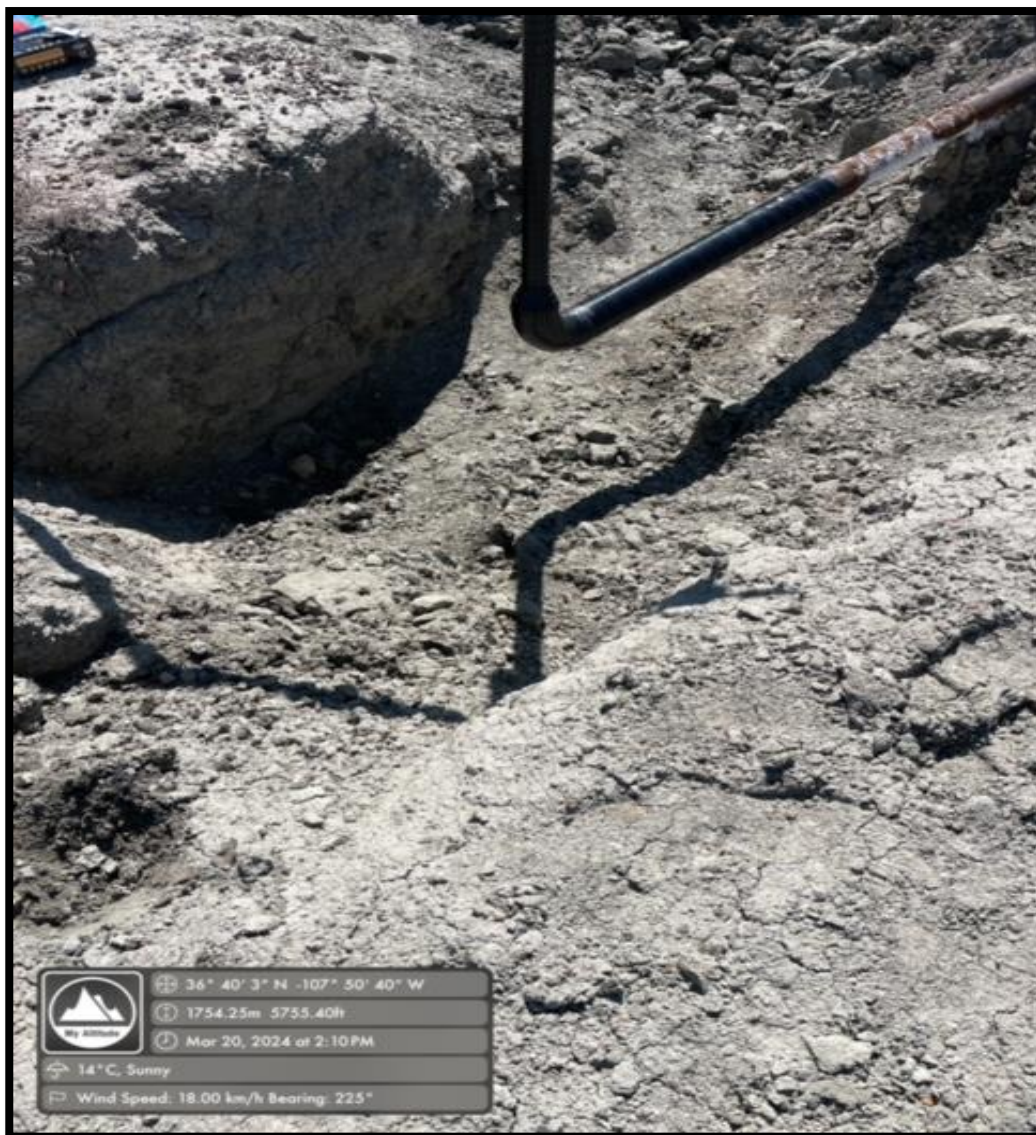


Photo 8: Sampling Event on 3/20/2024

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Photo 9: "Section 1"

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Photo 10: "Section 1"

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Photo 11: "Section 2"

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Photo 13: "Wash"

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Photo 14: "Wash"

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Photo Page
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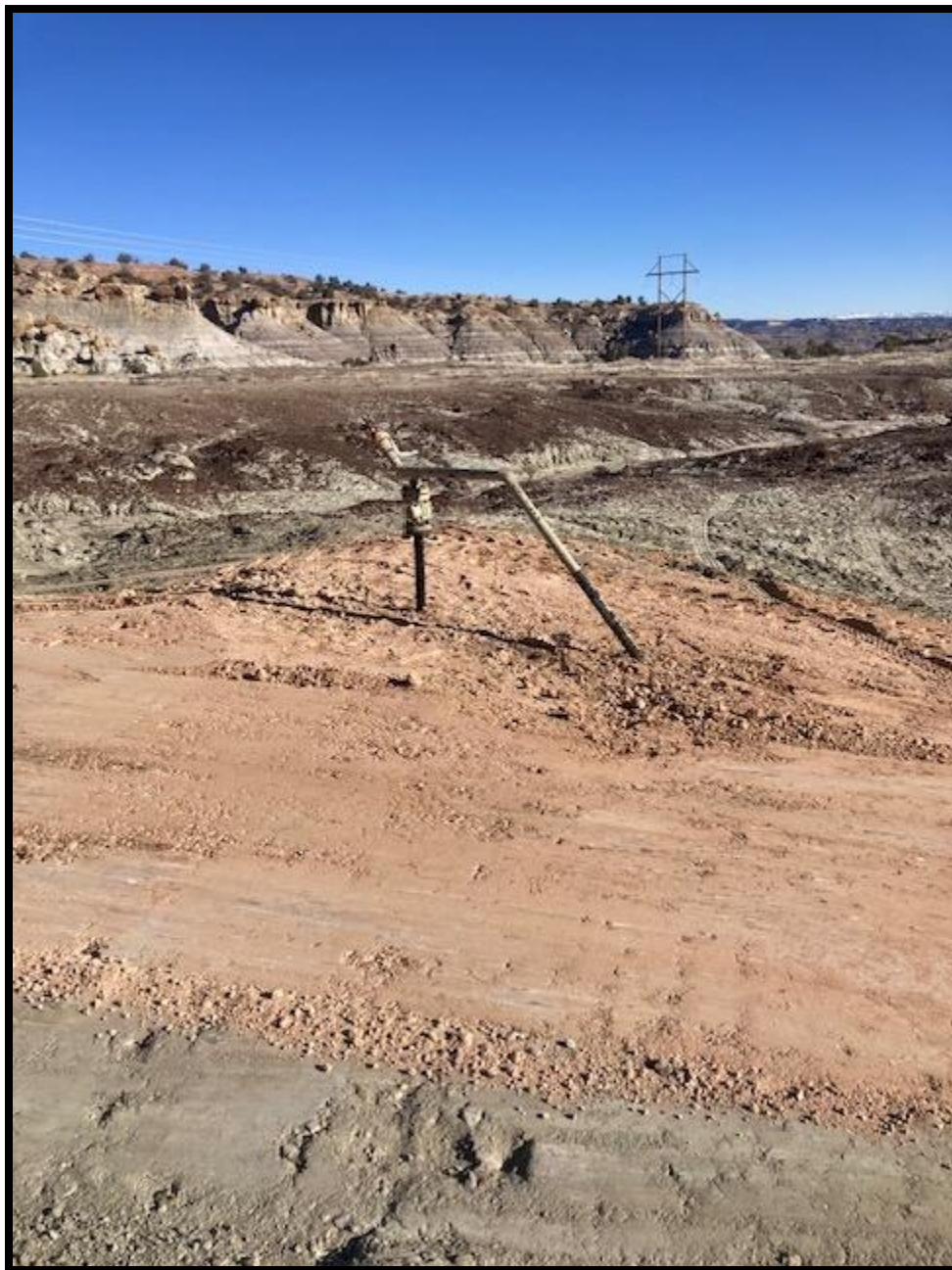


Photo 15: Area backfield

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Find address or place

Q



BASEMAPS >

MAP LAYERS >

- ☒ Wetlands 1 2
- ☒ Riparian 1 2
- ☐ Riparian Mapping Areas 1 2
- ☒ Data Source 1 2
 - ☐ Source Type
 - ☐ Image Scale
 - ☐ Image Year
- ☐ Areas of Interest 1
- ☐ FWS Managed Lands 1 2
- ☐ Historic Wetland Data 1 2

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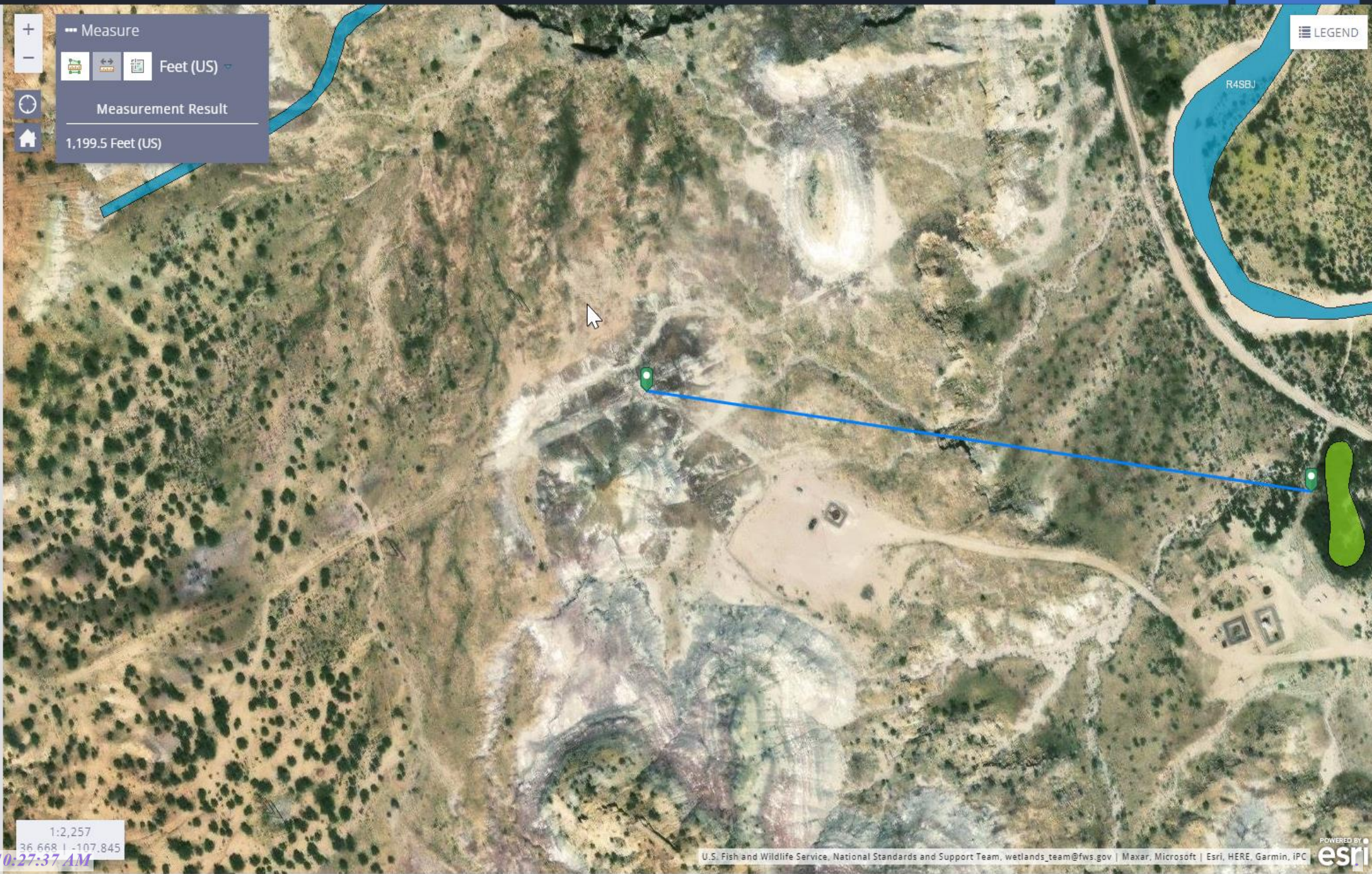
Measure

📏 🔄 📄 Feet (US) ▾

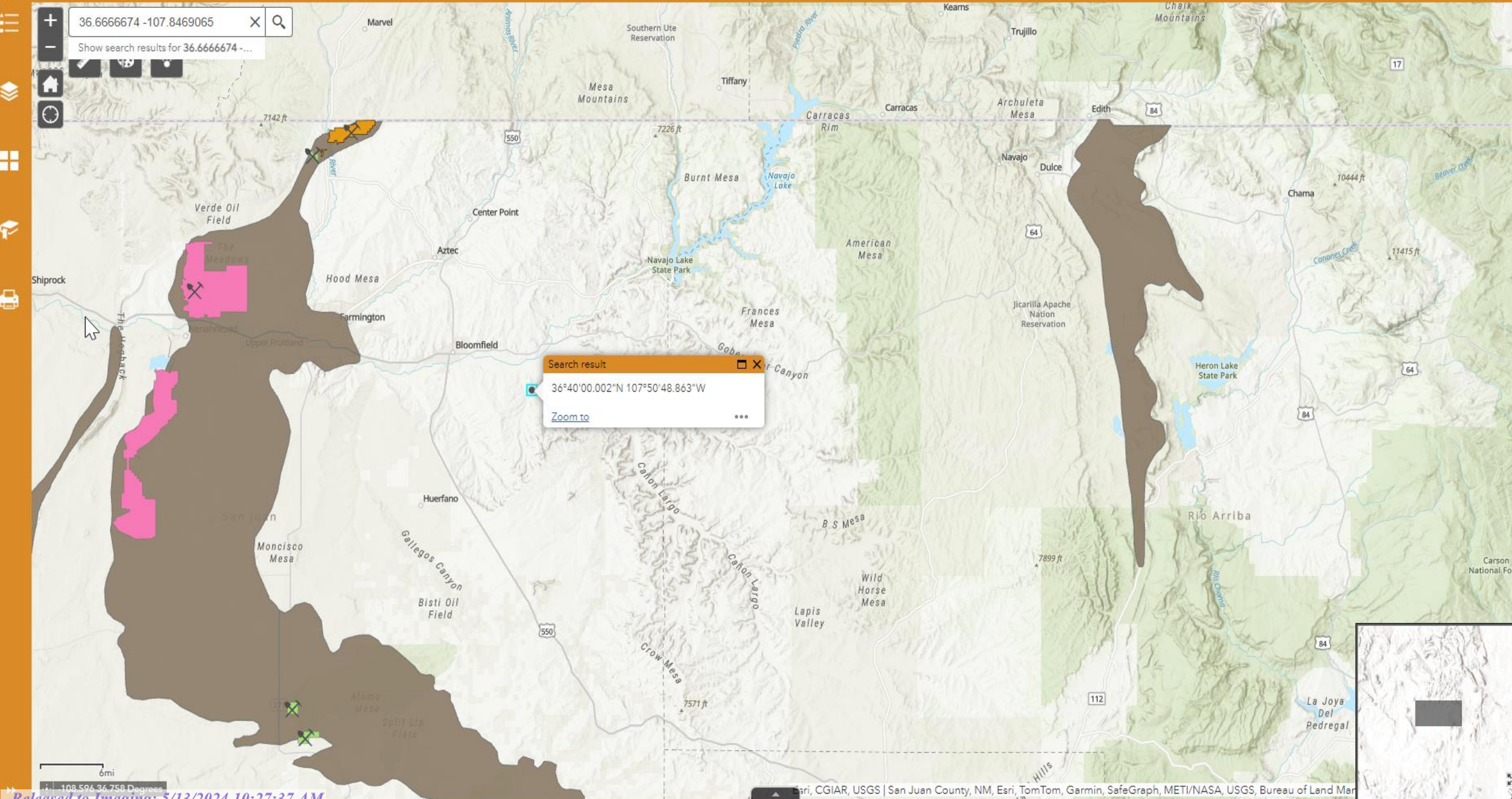
Measurement Result

1,199.5 Feet (US)

LEGEND



1:2,257
36.668 | -107.845



Remediation Narrative

McClanahan 21

3/8/2024

Harvest personnel responded to a possible pipeline leak at the McClanahan 21, the leak was found, and the line was isolated to stop the leak. It was calculated that 5 bbls of produced water released from the pipeline into a dry wash/drainage area. Notice of release was submitted at approximately 8:45pm, and notification to the BLM was sent via email at approximately 10:00pm to Nolan Craun and Abiodun Adeloje (Emmanuel). See attached *"Email Notification"* and approved *"NOR"* for reference.

3/14/2024

A crew was on site to make repairs to the pipeline and excavate contaminated soil. A three feet section of old pipe was replaced with new. It was discovered that the old piping had failed due to external corrosion. Approximately 24 yards of soil was excavated from the area.

3/18/2024

Notification for final sampling was submitted to the OCD at approximately 1:09pm, scheduling closure samples for Wednesday March 20th, 2024, at 1:30pm. Final sample notification was sent to Nolan Craun and Abiodun Adeloje with the BLM via email at approximately 1:28pm. See attached *"Sample Notification"* for reference.

3/20/2024

Harvest personnel was onsite to perform sampling activities. Six composite samples were taken from excavated areas and sent in for analysis of GRO, DRO, ORO, BTEX, and Chlorides. Excavated area around release point measured 16 feet in length by 5 feet wide and 2 feet in depth. Three, five-point composite samples were collected from the area. The first was the "Bottom" of excavation. The walls of the excavation were split into two, five-point composite samples "Wall 1" and "Wall 2". "Section 1" was measured to be 57 feet in length by 3 feet wide and one five-point composite sample was collected from this area. "Section 2" measured 33 feet in length by 3 feet wide also one five-point composite sample was collected from this area. The 'Wash' sample point measured 60 feet long by 3 feet wide which one five-point composite sample was collected. See attached *"Sample Map"* for reference.

3/21/2024

Lab analysis confirmed site is below closure standards. Closure criteria for this site was determined to be the most stringent closure criteria listed in Table 1 (Chloride <600mg/kg, TPH <100mg/kg, BTEX <50 mg/kg and Benzene <10 mg/kg) based on release reaching drainage/dry wash area. See attached *"Sample Results Table"* for reference.

3/27/2024

Excavation was backfield and no further action is required at this time.

x = Sample Points



"Wash"
60'x3'

"Section 2"
33'x3'

"Wall 1"
16'x2'
2.5'x2'

"Wall 2"
16'x2'
2.5'x2'

"Section 1"
57'x2'

South

NE

13

B

McCL 21

LATERAL J-2

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Action 332363

QUESTIONS

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	332363
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406874805
Incident Name	NAPP2406874805 MCCLANAHAN 21 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2123052765] HARVEST FOUR CORNERS GATHER SYSTEM

Location of Release Source	
Please answer all the questions in this group.	
Site Name	McClanahan 21
Date Release Discovered	03/08/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	Yes
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Other Pipeline (Any) Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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Phone:(575) 393-6161 Fax:(575) 393-0720

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1000 Rio Brazos Rd., Aztec, NM 87410
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District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
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QUESTIONS, Page 2

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	332363
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (2) an unauthorized release of a volume that: (b) may with reasonable probability reach a watercourse.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 03/22/2024
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District I

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

District II

811 S. First St., Artesia, NM 88210
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QUESTIONS, Page 3

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:
	373888
	Action Number:
	332363
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	0
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/14/2024
On what date will (or did) the final sampling or liner inspection occur	03/20/2024
On what date will (or was) the remediation complete(d)	03/27/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	634
What is the estimated volume (in cubic yards) that will be remediated	24

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

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District IV

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

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QUESTIONS, Page 4

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	332363
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	ENVIROTECH [fSC00000000048]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 04/11/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

District I
1625 N. French Dr., Hobbs, NM 88240
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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Oil Conservation Division
1220 S. St Francis Dr.
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QUESTIONS, Page 5

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 332363
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

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1220 S. St Francis Dr., Santa Fe, NM 87505
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QUESTIONS, Page 6

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID:	373888
	Action Number:	332363
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	324313
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/20/2024
What was the (estimated) number of samples that were to be gathered	5
What was the sampling surface area in square feet	455

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	634
What was the total volume (cubic yards) remediated	24
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	na

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

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

I hereby agree and sign off to the above statement	Name: Chad Snell Title: Environmental Specialist Email: chad.snell@harvestmidstream.com Date: 04/11/2024
--	---

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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1000 Rio Brazos Rd., Aztec, NM 87410
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District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 332363

QUESTIONS (continued)

Operator: Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	OGRID: 373888
	Action Number: 332363
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 332363

CONDITIONS

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	Action Number: 332363
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	5/13/2024