



April 9, 2025

EMNRD - New Mexico Oil Conservation Division  
 1220 South Saint Francis Drive  
 Sante Fe, NM 87505

**RE: Chevron Pit Closure Notice**  
**Javelina Unit 409 (409H, 410H, 411H, 412H)**  
**Facility ID: fV2210434389**  
**BLM Lease #USA NMNM 029234, #USA NMNM 070895**  
**Section 10, T24S, R31E**

To Whom It May Concern:

This submittal serves as notice to the New Mexico Oil Conservation Division (NMOCD) that closure at the above referenced pit will begin on April 16, 2025. The closure process should be completed around May 30, 2025.

The permitted Non-Low Chloride Temporary Pit was associated with the following Javelina Unit wells:

- Javelina Unit #409H API# 30-015-53171
- Javelina Unit #410H API# 30-015-49600
- Javelina Unit #411H API# 30-015-49933
- Javelina Unit #412H API# 30-015-49820

The “In place Burial” closure plan for the pit was approved by the NMOCD on April 14, 2022, and the permit application and approval are on the OCD website.

Tetra Tech, on behalf of Chevron, collected a five-point composite sample from the contents of the Temporary Pit. A copy of the laboratory report is presented in **Attachment A**, and the table below provides a summary of the analytical results.

Analytical Results for Javelina Unit 409					
Name	Chloride (mg/kg)	TPH (mg/kg)	GRO + DRO	Benzene	BTEX
Burial Standard	80,000	2,500	1,000	10	50
Javelina 409	13,700	136	136	<0.00138	<0.00227



Based on the results, no soil mixing needs to be utilized to meet the in-place closure target concentrations found in Table II of 19.15.17.13 NMAC. The closure process will follow the previously submitted plan.

Thank you for your consideration of the notice of in-place closure.

Sincerely,

A handwritten signature in black ink that reads 'John Faught'.

John Faught, GIT  
Project Manager  
Tetra Tech, Inc.

A handwritten signature in black ink that reads 'Russ Weigand'.

Russ Weigand, PG  
Account Manager  
Tetra Tech, Inc.

**Enclosures:**

**Attachment A:** Laboratory Analytical Results



**Attachment A**  
Laboratory Analytical Results



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: John Faught  
 Tetra Tech Inc  
 901 W Wall  
 Ste 100  
 Midland, Texas 79701

Generated 12/23/2024 9:44:50 AM

## JOB DESCRIPTION

SND Pad 409  
 Eddy County, NM

## JOB NUMBER

880-52475-1

Eurofins Midland  
 1211 W. Florida Ave  
 Midland TX 79701



# Eurofins Midland

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

## Authorization



Generated  
12/23/2024 9:44:50 AM

Authorized for release by  
Jessica Kramer, Project Manager  
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(432)704-5440

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Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Laboratory Job ID: 880-52475-1  
SDG: Eddy COunty, NM

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## Definitions/Glossary

Client: Tetra Tech Inc  
 Project/Site: SND Pad 409

Job ID: 880-52475-1  
 SDG: Eddy County, NM

### Qualifiers

#### GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

#### GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
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.

### 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: Tetra Tech Inc  
Project: SND Pad 409

Job ID: 880-52475-1

**Job ID: 880-52475-1**

**Eurofins Midland**

### Job Narrative 880-52475-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 sample was received on 12/19/2024 10:42 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

#### Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-1 (880-52475-1).

#### GC VOA

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

#### Diesel Range Organics

Method 8015MOD\_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98234 and analytical batch 880-98267 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-98234/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: The laboratory control sample (LCS) for preparation batch 880-98234 and analytical batch 880-98267 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10. These analytes were biased high in the LCS and were within limits for the associated LCSD (laboratory control sample duplicate); 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.

#### HPLC/IC

Method 300\_ORGFM\_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-98444 and analytical batch 880-98465 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

Eurofins Midland

### Client Sample Results

Client: Tetra Tech Inc  
 Project/Site: SND Pad 409

Job ID: 880-52475-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-1**

**Lab Sample ID: 880-52475-1**

Date Collected: 12/18/24 11:50

Matrix: Solid

Date Received: 12/19/24 10:42

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00138	U	0.00199	0.00138	mg/Kg		12/19/24 14:21	12/19/24 15:36	1
Toluene	<0.00199	U	0.00199	0.00199	mg/Kg		12/19/24 14:21	12/19/24 15:36	1
Ethylbenzene	<0.00108	U	0.00199	0.00108	mg/Kg		12/19/24 14:21	12/19/24 15:36	1
m-Xylene & p-Xylene	<0.00227	U	0.00398	0.00227	mg/Kg		12/19/24 14:21	12/19/24 15:36	1
o-Xylene	<0.00157	U	0.00199	0.00157	mg/Kg		12/19/24 14:21	12/19/24 15:36	1
Xylenes, Total	<0.00227	U	0.00398	0.00227	mg/Kg		12/19/24 14:21	12/19/24 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130	12/19/24 14:21	12/19/24 15:36	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/19/24 14:21	12/19/24 15:36	1

**Method: TAL SOP Total BTEX - Total BTEX Calculation**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00227	U	0.00398	0.00227	mg/Kg			12/19/24 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	136		50.0	15.1	mg/Kg			12/19/24 22:57	1

**Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.5	U +	50.0	14.5	mg/Kg		12/19/24 08:23	12/19/24 22:57	1
Diesel Range Organics (Over C10-C28)	136		50.0	15.1	mg/Kg		12/19/24 08:23	12/19/24 22:57	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		12/19/24 08:23	12/19/24 22:57	1

  

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	12/19/24 08:23	12/19/24 22:57	1
o-Terphenyl	81		70 - 130	12/19/24 08:23	12/19/24 22:57	1

**Method: EPA 300.0 - Anions, Ion Chromatography - Soluble**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13700		202	7.96	mg/Kg			12/21/24 03:20	20

## Surrogate Summary

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-52381-A-19-D MS	Matrix Spike	87	108
880-52381-A-19-E MSD	Matrix Spike Duplicate	85	106
880-52475-1	CS-1	77	94
LCS 880-98243/1-A	Lab Control Sample	97	106
LCSD 880-98243/2-A	Lab Control Sample Dup	85	106
MB 880-98243/5-A	Method Blank	79	91

## 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)

Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-52444-A-2-D MS	Matrix Spike	83	97
880-52444-A-2-E MSD	Matrix Spike Duplicate	83	97
880-52475-1	CS-1	84	81
LCS 880-98234/2-A	Lab Control Sample	136 S1+	115
LCSD 880-98234/3-A	Lab Control Sample Dup	124	108
MB 880-98234/1-A	Method Blank	78	77

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

### QC Sample Results

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

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

Lab Sample ID: MB 880-98243/5-A  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		12/19/24 09:21	12/19/24 11:07	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		12/19/24 09:21	12/19/24 11:07	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		12/19/24 09:21	12/19/24 11:07	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		12/19/24 09:21	12/19/24 11:07	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		12/19/24 09:21	12/19/24 11:07	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		12/19/24 09:21	12/19/24 11:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130	12/19/24 09:21	12/19/24 11:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	12/19/24 09:21	12/19/24 11:07	1

Lab Sample ID: LCS 880-98243/1-A  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1064		mg/Kg		106	70 - 130
Toluene	0.100	0.1070		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1012		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2036		mg/Kg		102	70 - 130
o-Xylene	0.100	0.09922		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-98243/2-A  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1074		mg/Kg		107	70 - 130	1	35
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	6	35
Ethylbenzene	0.100	0.08899		mg/Kg		89	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.1771		mg/Kg		89	70 - 130	14	35
o-Xylene	0.100	0.08594		mg/Kg		86	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 880-52381-A-19-D MS  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00139	U	0.0996	0.1071		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.1014		mg/Kg		102	70 - 130

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### QC Sample Results

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

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

Lab Sample ID: 880-52381-A-19-D MS  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Ethylbenzene	<0.00108	U	0.0996	0.09019		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00228	U	0.199	0.1789		mg/Kg		90	70 - 130
o-Xylene	<0.00158	U	0.0996	0.08651		mg/Kg		87	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-52381-A-19-E MSD  
Matrix: Solid  
Analysis Batch: 98135

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 98243

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	<0.00139	U	0.101	0.1054		mg/Kg		105	70 - 130	2	35
Toluene	<0.00199	U	0.101	0.09892		mg/Kg		98	70 - 130	2	35
Ethylbenzene	<0.00108	U	0.101	0.08836		mg/Kg		88	70 - 130	2	35
m-Xylene & p-Xylene	<0.00228	U	0.202	0.1749		mg/Kg		87	70 - 130	2	35
o-Xylene	<0.00158	U	0.101	0.08473		mg/Kg		84	70 - 130	2	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-98234/1-A  
Matrix: Solid  
Analysis Batch: 98267

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 98234

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<14.5	U	50.0	14.5	mg/Kg		12/19/24 08:23	12/19/24 18:45	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.0	15.1	mg/Kg		12/19/24 08:23	12/19/24 18:45	1
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		12/19/24 08:23	12/19/24 18:45	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	78		70 - 130	12/19/24 08:23	12/19/24 18:45	1
o-Terphenyl	77		70 - 130	12/19/24 08:23	12/19/24 18:45	1

Lab Sample ID: LCS 880-98234/2-A  
Matrix: Solid  
Analysis Batch: 98267

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 98234

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	1318	*+	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1167		mg/Kg		117	70 - 130

Eurofins Midland

### QC Sample Results

Client: Tetra Tech Inc  
 Project/Site: SND Pad 409

Job ID: 880-52475-1  
 SDG: Eddy County, NM

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

**Lab Sample ID: LCS 880-98234/2-A**  
**Matrix: Solid**  
**Analysis Batch: 98267**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 98234**

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	136	S1+	70 - 130
o-Terphenyl	115		70 - 130

**Lab Sample ID: LCSD 880-98234/3-A**  
**Matrix: Solid**  
**Analysis Batch: 98267**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 98234**

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	1173		mg/Kg		117	70 - 130	12	20	
Diesel Range Organics (Over C10-C28)	1000	1016		mg/Kg		102	70 - 130	14	20	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	124		70 - 130
o-Terphenyl	108		70 - 130

**Lab Sample ID: 880-52444-A-2-D MS**  
**Matrix: Solid**  
**Analysis Batch: 98267**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 98234**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
				Result	Qualifier				Limits	RPD
Gasoline Range Organics (GRO)-C6-C10	26.3	J *+	995	775.2		mg/Kg		75	70 - 130	
Diesel Range Organics (Over C10-C28)	1190	F1	995	1825	F1	mg/Kg		64	70 - 130	

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	83		70 - 130
o-Terphenyl	97		70 - 130

**Lab Sample ID: 880-52444-A-2-E MSD**  
**Matrix: Solid**  
**Analysis Batch: 98267**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 98234**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	26.3	J *+	995	754.3		mg/Kg		73	70 - 130	3	20	
Diesel Range Organics (Over C10-C28)	1190	F1	995	1803	F1	mg/Kg		62	70 - 130	1	20	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	83		70 - 130
o-Terphenyl	97		70 - 130

Eurofins Midland

### QC Sample Results

Client: Tetra Tech Inc  
 Project/Site: SND Pad 409

Job ID: 880-52475-1  
 SDG: Eddy County, NM

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-98444/1-A  
 Matrix: Solid  
 Analysis Batch: 98465

Client Sample ID: Method Blank  
 Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	10.0	0.395	mg/Kg			12/21/24 00:14	1

Lab Sample ID: LCS 880-98444/2-A  
 Matrix: Solid  
 Analysis Batch: 98465

Client Sample ID: Lab Control Sample  
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	261.0		mg/Kg		104	90 - 110

Lab Sample ID: LCSD 880-98444/3-A  
 Matrix: Solid  
 Analysis Batch: 98465

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	258.3		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-52472-A-15-B MS  
 Matrix: Solid  
 Analysis Batch: 98465

Client Sample ID: Matrix Spike  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3770	F1	1250	5542	F1	mg/Kg		142	90 - 110

Lab Sample ID: 880-52472-A-15-C MSD  
 Matrix: Solid  
 Analysis Batch: 98465

Client Sample ID: Matrix Spike Duplicate  
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3770	F1	1250	5610	F1	mg/Kg		147	90 - 110	1	20

## QC Association Summary

Client: Tetra Tech Inc  
Project/Site: SND Pad 409Job ID: 880-52475-1  
SDG: Eddy County, NM

## GC VOA

## Analysis Batch: 98135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	8021B	98243
MB 880-98243/5-A	Method Blank	Total/NA	Solid	8021B	98243
LCS 880-98243/1-A	Lab Control Sample	Total/NA	Solid	8021B	98243
LCSD 880-98243/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	98243
880-52381-A-19-D MS	Matrix Spike	Total/NA	Solid	8021B	98243
880-52381-A-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	98243

## Prep Batch: 98243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	5035	
MB 880-98243/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-98243/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-98243/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-52381-A-19-D MS	Matrix Spike	Total/NA	Solid	5035	
880-52381-A-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

## Analysis Batch: 98457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	Total BTEX	

## GC Semi VOA

## Prep Batch: 98234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	8015NM Prep	
MB 880-98234/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-98234/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-98234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-52444-A-2-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-52444-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

## Analysis Batch: 98267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	8015B NM	98234
MB 880-98234/1-A	Method Blank	Total/NA	Solid	8015B NM	98234
LCS 880-98234/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	98234
LCSD 880-98234/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	98234
880-52444-A-2-D MS	Matrix Spike	Total/NA	Solid	8015B NM	98234
880-52444-A-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	98234

## Analysis Batch: 98478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Total/NA	Solid	8015 NM	

## HPLC/IC

## Leach Batch: 98444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Soluble	Solid	DI Leach	
MB 880-98444/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-98444/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-98444/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

### QC Association Summary

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

#### HPLC/IC (Continued)

##### Leach Batch: 98444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52472-A-15-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-52472-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

##### Analysis Batch: 98465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-52475-1	CS-1	Soluble	Solid	300.0	98444
MB 880-98444/1-A	Method Blank	Soluble	Solid	300.0	98444
LCS 880-98444/2-A	Lab Control Sample	Soluble	Solid	300.0	98444
LCSD 880-98444/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	98444
880-52472-A-15-B MS	Matrix Spike	Soluble	Solid	300.0	98444
880-52472-A-15-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	98444

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### Lab Chronicle

Client: Tetra Tech Inc  
 Project/Site: SND Pad 409

Job ID: 880-52475-1  
 SDG: Eddy County, NM

**Client Sample ID: CS-1**

**Lab Sample ID: 880-52475-1**

Date Collected: 12/18/24 11:50

Matrix: Solid

Date Received: 12/19/24 10:42

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	98243	12/19/24 14:21	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	98135	12/19/24 15:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			98457	12/19/24 15:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			98478	12/19/24 22:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	98234	12/19/24 08:23	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	98267	12/19/24 22:57	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	98444	12/20/24 09:32	CH	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	98465	12/21/24 03:20	CH	EET MID

**Laboratory References:**

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

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### Accreditation/Certification Summary

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

#### Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

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### Method Summary

Client: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, 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	EPA	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

EPA = US Environmental Protection Agency

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: Tetra Tech Inc  
Project/Site: SND Pad 409

Job ID: 880-52475-1  
SDG: Eddy County, NM

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-52475-1	CS-1	Solid	12/18/24 11:50	12/19/24 10:42

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### Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 880-52475-1  
SDG Number: Eddy County, NM

**Login Number: 52475**

**List Number: 1**

**Creator: Vasquez, Julisa**

**List Source: Eurofins Midland**

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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Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 451231

**CONDITIONS**

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 451231
	Action Type: [C-144] Pit Inventory (PIT INVENTORY)

**CONDITIONS**

Created By	Condition	Condition Date
joel.stone	None	4/11/2025