

Dugan Production Corp

Spill Closure Report

Satchmo Com # 002

30-045-34425

J-04-22N-08W

1550 FSL 1350 FWL

Incident ID: nAPP2223445319

Introduction

Site Description and Background

Operator:	Dugan Production Corp.
Site Name:	Satchmo Corn # 002 (05/13/22) (Off-Site)
NM EMNRD OCD Incident ID No.	nAPP2223445319
Location:	36.165741° North, 107.6824188° West Unit Letter J, Section 04, Township 22N, Range 08W San Juan County, New Mexico
Property:	Federal
Regulatory:	New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD)

On May 13, 2022, a New Mexico Oil Conservation Division inspector notified Dugan Production Corp. of a potential historical spill detected by satellite images off the well pad of the Satchmo Corn # 002. The inspector noted bare spots off location and requested further investigation of Site and remediate if needed. Dugan initiated activities to verify historical spill had occurred and remediate potential environmental impacts to the area.

Project Objective

The project objective was to reduce environmental contaminants to a safe level per the NM EMNRD OCD 19.15.29.13(D)(1) NMAC requirements and restore area to its natural state.

Closure Criteria

The Site is subject to regulatory oversight by the NM EMNRD OCD. Dugan Production Corp referenced 19.15.29 New Mexico Administrative Code (NMAC), which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action, during the evaluation and remediation of the Site. The appropriate closure criteria for sites are determined using the siting requirements outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC. Dugan utilized the general site characteristics and information available from NM state agency databases and federal agency geospatial databases to determine the appropriate closure criteria for the Site.

- The NM Office of the State Engineer (OSE) tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other points of diversion (PODs) are each assigned POD numbers in the database. No PODs were identified in the same Public Land Survey System (PLSS) section as the Site or in the adjacent PLSS sections.
- A hydrogeologic report for a nearby well and a Site evaluation was conducted to determine the groundwater depth. The groundwater for this spill site is approximately 200 feet below the surface. Based on electric open-hole logs, the iWaters database, literature reviewed, depth to ground water ranges from 15 - 20 feet below the surface in major arroyos and along

Escavada Wash. Moving away from the wash, ground water depth drops rapidly to greater than 220-feet below the surface. At the location of the subject temporary pit, lesser amounts of poor-quality ground water might be found at depths of approximately 590-770 feet in the Fruitland Coal and Pictured Cliffs Sandstone interval.

- The Site is not located within 300 feet of a NM EMNRD OCD – defined continuously flowing watercourse or significant watercourse.
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church.
- No Springs, or private domestic freshwater wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site.
- No freshwater wells or springs were identified within 1,000 feet of the Site.
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statutes Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not within 300 feet of a Wetland.
- Based on information identified in the NM Mining and Minerals Divisions Geographic Information System (GIS) Maps and Mine Data database, the Site is not within an area overlying a subsurface mine.
- The Site is not located within an unstable area per Paragraph (6) of Subsection U of 19.15.2.7 NMAC.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database, the Site is not within a 100-year floodplain.

Based on the available information Dugan estimates the depth to water at the Site to be greater than 100 feet bgs, resulting in a Tier III ranking. Applicable closure criteria for soils remaining in place at the Site include:

Tier III Closure Criteria for Soils Impacted by a Release		
Constituent ¹	Method	Limit
Chloride	EPA 300.0 or SM4500 C1 B	20,000 mg/kg
TPH (GRO+DRO+MRO) ²	EPA SW-846 Method 8015M	2,500 mg/kg
GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
BTEX ³	EPA SW-846 Method 8021B or 8260B	50 mg/kg
Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

¹ - Constituent concentrations are in milligrams per kilogram (mg/kg).

² - Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Mother Oil/Lube Oil Range Organics (MRO).

³ - Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

Soil Remediation

On May 14, 2023, Dugan initiated activities to remediate the petroleum hydrocarbon impact resulting from the historical spill. During the investigation of the Site, Dugan noted that salts had ponded in the area creating a crust and damaged vegetation in the spill area. The collection of soil samples collected on June 7, 2022, were tested for Chlorides, BTEX, and TPH. The lab results from the collected soil samples indicated high concentrations of chlorides. A map identifying the approximate initial soil sample locations is included in **Appendix A: Map 3**.

The historic produced water spill affected approximately 2,000 square feet of surface. Dugan treated approximately 2,000 cubic feet of soil.

Dugan performed the remedial steps approved May 19, 2023, in the submitted Site Characterization and Remediation Plan. The flocculated/crust of the soil was removed by method of hand raking the soil for removal. A barrier was created to prevent the contamination of unaffected soil. The contaminated soil was soaked with fresh water, by use of a water truck and a hose. The soaking treatment procedure was conducted three times.

On October 1, 2024, Dugan collected twenty-nine soil samples after the remedial procedures were complete. The soil samples were collected to ensure Tier III criteria for soils impacted by a release standard was met, per Table 1 of Paragraph (2) of Subsection E of 19.15.29.12 NMAC.

Appendix A: Map 2 is a map identifying the approximate final soil sample locations and depicts the approximate dimensions of the spill area with respect to the well location. Photographic documentation of the remediation is included in **Appendix B**.

Soil Sampling

Dugan Production Corp. collected and submitted the initial soil samples on June 7, 2022, to Envirotech. On October 1, 2024, the final soil samples were collected and submitted to Envirotech for analytical testing. All reported data in the analytical report from Envirotech were analyzed

according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted.

The initial soil sampling program includes the collection of four composite soil samples (E206041-01A – E206041-04A) from within the spill perimeter for laboratory analysis. Hand tools were utilized to obtain soil samples from the spill perimeter. Regulatory correspondence is provided in **Appendix C: Figure 1**.

The final sampling program includes the collection of twenty-nine soil samples (E410003-01A through E410003-29A) from within and outside the spill perimeter for laboratory analysis. Hand tools were utilized to obtain soil samples from within and outside the spill perimeter. Regulatory correspondence is provided in **Appendix C: Figure 2**.

Sampling

On June 7, 2022, the initial sampling was performed at the Site. The NM OCD was notified of the collection of samples which no representative was present during collection. Composite samples E206041-01A and E206041-02A were collected from the surface and E206041-03A and E206041-04A were collected from the subsurface of the spill area.

On October 1, 2024, the final sampling was performed at the Site. The NM OCD was notified of the collection of samples which no representative was present during collection. Composite samples E410003-01A through E410003-07A were collected from the surface area within the spill perimeter. Composite samples E410003-08A, and E410003-12A were collected at a depth of six inches within the spill perimeter. Composite samples E410003-16A, E410003-18A, E410003-20A, E410003-22A, E410003-24A, E410003-26A and E-410003-28A were collected at a depth of six inches outside of the spill perimeter. Composite samples E410003-09A and E410003-13A were collected at a depth of twelve inches within the spill perimeter. Composite samples E410003-17A, E410003-19A, E410003-21A, E410003-23A, E410003-25A, E410003-27A, and E410003-29A were collected at a depth of twelve inches outside of the spill perimeter. Composite samples E410003-11A and E410003-15A were collected at a depth of twenty-four inches within the spill perimeter. Composite sample E410003-10A and E410003-14A were collected at a depth of eighteen inches within the spill perimeter.

All soil samples were collected and placed in laboratory prepared glassware. The containers were labeled and sealed using the laboratory supplied labels and custody seals were stored in ice in a cooler. The samples were relinquished to the custody of Envirotech in Farmington, NM, under proper chain-of-custody procedures.

Soil Laboratory Analytical Methods

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method 8021; TPH GRO/DRO/MRO using EPA SW-846 Method 8015; and chlorides using EPA Method 300.0.

The laboratory analytical results for the initial samples are summarized in **Appendix D: Table 1**. The laboratory data sheets and executed chain-of-custody forms for the initial samples are provided in **Appendix D: Figure A**. The laboratory analytical results for the final samples are summarized in

Appendix D: Table 2. The laboratory data sheets and executed chain-of-custody forms for the final samples are provided in **Appendix D: Figure B.**

Soil Data Evaluation

Dugan compared the benzene, BTEX, TPH, and chloride laboratory analytical results or laboratory practical quantitation limits (PQLs) / reporting limits (RLs) associated with the composite soil samples (E410003-01A through E410003-29A) to the applicable NM EMNRD OCD closure criteria. The laboratory analytical results are summarized in (**Appendix D: Table 2**)

- The laboratory analytical results for the final composite soil samples indicate benzene was not detected. The laboratory analytical results for all composite soil samples indicate total Benzene is not present at concentrations greater than NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for the final composite soil samples 1A through 29A indicate BTEX was not detected. The laboratory analytical results for all composite soil samples indicate total BTEX is not present at concentrations greater than the NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for the final composite soil samples 1A through 29A indicate combined TPH GRO/DRO/MRO concentrations were not detected. The laboratory analytical results for all composite soil samples indicate total TPH GRO/DRO/MRO is not present at concentrations greater than the NM EMNRD OCD closure criteria of 100 mg/kg.
- The laboratory analytical results for all initial composite soil samples 1A through 4A indicate chloride was present at concentrations of 718 mg/kg, 222 mg/kg, 455 mg/kg, and 810 mg/kg, respectively, which 1A and 4A are not less than the NM EMNRD OCD closure criteria of 600 mg/kg.
- The laboratory analytical results for the final samples indicate the level of chloride present decreased. Soil Samples E410003-08A, E410003-09A, E410003-10A, E410003-11A, E410003-14A, and E410003-15A indicate the presence of chloride at concentrations of 45.5 mg/kg, 155 mg/kg, 424 mg/kg, 218 mg/kg, 28.3 mg/kg, and 32.4 mg/kg, respectfully, which are less than the NM EMNRD OCD closure criteria of 600 mg/kg.

Dugan then collected 29 soil samples which were analyzed to determine the concentrations of TPH, BTEX, and chlorides. The reclamation requirement in 19.15.29.13(D)(1) NMAC for chloride is less than 600 mg/kg and uncontaminated soils showing TPH less than 100 mg/kg, total BTEX less than 50 mg/kg, and benzene less than 10 mg/kg in the top four feet. The highest concentration for chloride found in the treated soil was 424 mg/kg, which is below the threshold of 600 mg/kg of the reclamation requirement in 19.15.29.13(D)(1) NMAC. There were 0 mg/kg TPH, BTEX, and benzene organics detected. **Please refer to Appendix D: Table 2** showing sampling results.

Reclamation

Dugan has restored the impacted surface area to its original condition prior to the release. Restoration of the site includes the replacement of treated soil to its relative positions and re-contoured to match the area's topography. The disturbed area contains a minimum of four feet of non-waste containing, uncontaminated earthen material with chloride concentrations less than 600 mg/kg, as analyzed by EPA Method 300.0/9056A. The topsoil cover includes a suitable top layer to support vegetation establishment at the site. Natural revegetation occurred, with a uniform vegetative cover established, reflecting a life-form ratio within the total plant cover range of at least seventy percent of pre-disturbance levels, excluding noxious weeds. Reclamation photos are included in **Appendix B**.

Findings and Recommendation

Twenty-nine composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, total BTEX, chloride, or TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.

Approximately 2,000 square feet of petroleum hydrocarbon-impacted soils were subjected to fresh water soaking as part of the remediation process. The soil was then replaced and re-contoured to align with the surrounding topography. Subsequent natural regrowth within the affected area occurred, seamlessly integrating with the pre-existing vegetation, completing the reclamation process.

Appendix A: Maps and Sample Diagrams

Map 1: Site Map

Satchmo Com # 002 Site Map



12/13/2024, 8:16:49 AM

SITES	PUMPJACK
WELLS	PIPELINES
GAS	GAS
ALLOCATION_METERS	WATER
PJ ENGINES	ROADS

1:4,514

0 0.04 0.08 0.16 mi

0 0.05 0.1 0.2 km

Maxar

Dugan Production Corp

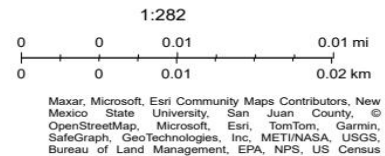
Appendix A: Maps and Sample Diagrams

Map 2: Final Sample Diagram

Satchmo Com # 002 Final Sample Diagram



12/13/2024, 10:00:52 AM



Dugan Production Corp

Appendix A: Maps and Sample Diagrams

Map 3: Initial Sample Diagram

Satchmo Com # 002 Inital Sample Diagram



12/13/2024, 9:03:01 AM

Override 1	• ALLOCATION_METERS	PIPELINES
SITES	• PJ ENGINES	— GAS
WELLS	• PUMPJACK	— WATER
• GAS		--- ROADS

1:1,128

0 0.01 0.02 0.04 mi

0 0.01 0.03 0.06 km

Maxar, Microsoft, Esri Community Maps Contributors, New Mexico State University, San Juan County, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census

Dugan Production Corp

Appendix B: Photo Documentation

Figure 1: Spill Area Before Reclamation



Appendix B: Photo Documentation

Figure 2: Spill Area Before Reclamation



Appendix B: Photo Documentation

Figure 3: Spill Area After Reclamation



Appendix B: Photo Documentation

Figure 4: Spill Area After Reclamation



Appendix C: Regulatory Correspondence

Figure 1: Initial Sample Collection Notification

From: Kevin Smaka <Kevin.Smaka@duganproduction.com>
Sent: Wednesday, November 9, 2022 11:21 AM
To: Adeloye, Abiodun A <aadeloye@blm.gov>; Joyner, Ryan N <rjoyner@blm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: [EXTERNAL] Notice of Sampling

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Dugan will be gathering soil samples this coming Friday, 11/11/22 @9:00 AM for final spill confirmation sampling. We will start at the Satchmo #2.

The wells in question are Dugan's Satchmo #s 1 & 2.

Here are the wells legal information:

SATCHMO COM #001
30-045-34429
N-03-22N-08W
1250 FSL 1600 FWL

SATCHMO COM #002
30-045-34425
J-04-22N-08W
1550 FSL 1350 FEL

Kevin Smaka P.E.
Regulatory Engineer
Dugan Production Corp.
505-486-6207

Appendix C: Regulatory Correspondence

Figure 2: Final Sample Collection Notification

From: Kevin Smaka
Sent: Thursday, September 26, 2024 4:03 PM
To: 'Velez, Nelson, EMNRD' <Nelson.Velez@emnrd.nm.gov>; 'Adeloye, Abiodun A' <aadeloye@blm.gov>
Cc: Tyra Feil <Tyra.Feil@duganproduction.com>; Mario Ulibarri <Mario.Ulibarri@duganproduction.com>; Drew Schilhabel <Drew.Schilhabel@duganproduction.com>; Jason Heslop <Jason.Heslop@duganproduction.com>; Marty Foutz <Marty.Foutz@duganproduction.com>; Sean Dugan <Sean.Dugan@duganproduction.com>
Subject: Notice of Sampling

Dugan will be collecting soil samples this coming Tuesday, 10/1/2024 at 10:00 AM at Dugan's Satchmo and Satchmo 2 well sites.

A C-141N has been uploaded to NMOCD.

Here is each wells information:

30-045-34429 SATCHMO COM #001 [36792]

General Well Information

Operator:	[6515] DUGAN PRODUCTION CORP
Status:	Active
Well Type:	Gas
Work Type:	New
Surface Location:	N-03-22N-08W 1250 FSL 1600 FWL
Lat/Long:	36.1649284,-107.6724319 NAD83
GL Elevation:	6801
KB Elevation:	
DF Elevation:	

30-045-34425 SATCHMO COM #002 [36792]

General Well Information

Operator:	[6515] DUGAN PRODUCTION CORP
Status:	Active
Well Type:	Gas
Work Type:	New
Surface Location:	J-04-22N-08W 1550 FSL 1350 FEL
Lat/Long:	36.165741,-107.6824188 NAD83
GL Elevation:	6825
KB Elevation:	
DF Elevation:	

Should you have questions please contact me!

Kevin Smaka P.E.
Regulatory Engineer
Dugan Production Corp
505-486-6207

Appendix D: Soil Analytical Summary Tables**Table 1: Initial Soil Sample Summary**

Satchmo Com #001						
Lab Results Table			Results			
Sample #	Map 3: ID	Depth Sampled (feet BGS)	Chlorides (mg/kg)	TPH (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
01A	01A	0	718	NT	NT	NT
02A	02A	0	222	NT	NT	NT
03A	03A	0	455	NT	NT	NT
04A	04A	0	810	NT	NT	NT
Notes:						
	1. BGS means below grade surface					
	2. TPH means total petroleum hydrocarbons					
	3. BTEX means Benzene, Toluene, Ethylbenzene and Xylene					
	4. NT means not tested					

Appendix D: Soil Analytical Summary Tables

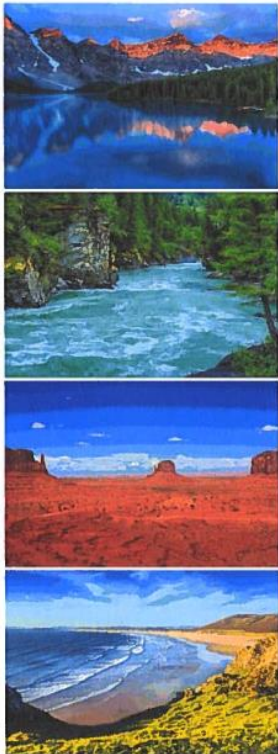
Table 2: Final Soil Sample Summary

Satchmo Com #001 – Final Sample Data						
Lab Results Table			Results			
Sample #	Map 3: ID	Depth Sampled (feet BGS)	Chlorides (mg/kg)	TPH (mg/kg)	BTEX (mg/kg)	Benzene (mg/kg)
01A	01A	0	ND	ND	ND	ND
02A	02A	0	ND	ND	ND	ND
03A	03A	0	ND	ND	ND	ND
04A	04A	0	ND	ND	ND	ND
05A	05A	0	ND	ND	ND	ND
06A	06A	0	ND	ND	ND	ND
07A	07A	0	ND	ND	ND	ND
08A	08A	0	45.5	ND	ND	ND
09A	09A	0	155	ND	ND	ND
10A	10A	0	424	ND	ND	ND
11A	11A	0	218	ND	ND	ND
12A	12A	0	ND	ND	ND	ND
13A	13A	0	ND	ND	ND	ND
14A	14A	0	28.3	ND	ND	ND
15A	15A	0	32.4	ND	ND	ND
16A	16A	0	ND	ND	ND	ND
17A	17A	0	ND	ND	ND	ND
18A	18A	0	ND	ND	ND	ND
19A	19A	0	ND	ND	ND	ND
20A	20A	0	ND	ND	ND	ND
21A	21A	0	ND	ND	ND	ND
22A	22A	0	ND	ND	ND	ND
23A	23A	0	ND	ND	ND	ND
24A	24A	0	ND	ND	ND	ND
25A	25A	0	ND	ND	ND	ND
26A	26A	0	ND	ND	ND	ND
27A	27A	0	ND	ND	ND	ND
28A	28A	0	ND	ND	ND	ND
29A	29A	0	ND	ND	ND	ND
Notes:						
	1. BGS means below grade surface					
	2. TPH means total petroleum hydrocarbons					
	3. BTEX means Benzene, Toluene, Ethylbenzene and Xylene					
	4. ND means not detected					

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Figure A: Initial Samples Lab Data Sheets & Chain of Custody

Report to:
Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Dugan Production Corp.

Project Name: Satchmo #2

Work Order: E206041

Job Number: 06094-0177

Received: 6/7/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/10/22

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Date Reported: 6/10/22

Kevin Smaka
PO Box 420
Farmington, NM 87499



Project Name: Satchmo #2
Workorder: E206041
Date Received: 6/7/2022 3:30:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2022 3:30:00PM, under the Project Name: Satchmo #2.

The analytical test results summarized in this report with the Project Name: Satchmo #2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
Satchmo #2 - 1	5
Satchmo #2 - 2	6
Satchmo #2 - 3	7
Satchmo #2 - 4	8
QC Summary Data	9
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Summary

Dugan Production Corp.	Project Name:	Satchmo #2	Reported:
PO Box 420	Project Number:	06094-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	06/10/22 09:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Satchmo #2 - 1	E206041-01A	Soil	06/07/22	06/07/22	Glass Jar, 4 oz.
Satchmo #2 - 2	E206041-02A	Soil	06/07/22	06/07/22	Glass Jar, 4 oz.
Satchmo #2 - 3	E206041-03A	Soil	06/07/22	06/07/22	Glass Jar, 4 oz.
Satchmo #2 - 4	E206041-04A	Soil	06/07/22	06/07/22	Glass Jar, 4 oz.

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	----------------------------------

Satchmo #2 - 1

E206041-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<u>Anions by EPA 300.0/9056A</u>	mg/kg	mg/kg		Analyst: KL		Batch: 2224023
Chloride	718	20.0	1	06/07/22	06/08/22	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	----------------------------------

Satchmo #2 - 2

E206041-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<u>Anions by EPA 300.0/9056A</u>	mg/kg	mg/kg	Analyst: KL			Batch: 2224023
Chloride	222	20.0	1	06/07/22	06/08/22	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Satchmo #2 06094-0177 Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	---	----------------------------------

Satchmo #2 - 3

E206041-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2224023	
Chloride	455	20.0	1	06/07/22	06/08/22	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Satchmo #2 06094-0177 Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	---	----------------------------------

Satchmo #2 - 4

E206041-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2224023
Chloride	810	20.0	1	06/07/22	06/08/22	



Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06094-0177 Project Manager: Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	----------------------------------

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2224023-BLK1)

Prepared: 06/07/22 Analyzed: 06/08/22

Chloride	ND	20.0							
----------	----	------	--	--	--	--	--	--	--

LCS (2224023-BS1)

Prepared: 06/07/22 Analyzed: 06/08/22

Chloride	247	20.0	250		99.0	90-110			
----------	-----	------	-----	--	------	--------	--	--	--

Matrix Spike (2224023-MS1)

Source: E206041-01

Prepared: 06/07/22 Analyzed: 06/08/22

Chloride	956	20.0	250	718	95.5	80-120			
----------	-----	------	-----	-----	------	--------	--	--	--

Matrix Spike Dup (2224023-MSD1)

Source: E206041-01

Prepared: 06/07/22 Analyzed: 06/09/22

Chloride	969	20.0	250	718	100	80-120	1.25	20	
----------	-----	------	-----	-----	-----	--------	------	----	--

QC Summary Report Comment:

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Satchmo #2 06094-0177 Kevin Smaka	Reported: 6/10/2022 9:10:22AM
--	--	---	--------------------------------------

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2224023-BLK1)					Prepared: 06/07/22 Analyzed: 06/08/22				
Chloride	ND	20.0							
LCS (2224023-BS1)					Prepared: 06/07/22 Analyzed: 06/08/22				
Chloride	247	20.0	250		99.0	90-110			
Matrix Spike (2224023-MS1)					Source: E206041-01 Prepared: 06/07/22 Analyzed: 06/08/22				
Chloride	956	20.0	250	718	95.5	80-120			
Matrix Spike Dup (2224023-MSD1)					Source: E206041-01 Prepared: 06/07/22 Analyzed: 06/09/22				
Chloride	969	20.0	250	718	100	80-120	1.25	20	

QC Summary Report Comment:

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation**Definitions and Notes**

Dugan Production Corp.	Project Name:	Satchmo #2	
PO Box 420	Project Number:	06094-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	06/10/22 09:10

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Project Information

Chain of Custody

Page 1 of 1

Client: Dugan Production

Project: Satchana #2

Project Manager: Kevin Samuels

Address:

City, State, Zip

Phone:

Email:

Report due by: Marin Wilborn

Bill To

Attention: Dugan Production

Address:

City, State, Zip

Phone:

Email:

Lab Use Only

Lab WQH: E201041

Job Number: 00094-0177

TAT

1D

2D

3D

Standard

EPA Program

CWA

SDWA

RCRA

State

NM

CO

UT

AZ

TX

Analysis and Method

DIC/DOC by 8015

GFC/DOC by 8015

BTX by 8011

VOC by 8260

Metals 6010

Chloride 300.0

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
11:30 AM	6/7/02	S	1	Satchana #2 -	1
				Satchana #2 -	2
				Satchana #2 -	3
				Satchana # -	4

Additional Instructions:

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

Signed by: Marin Wilborn

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

Relinquished by: (Signature) [Signature]

Date: 6-7-02

Time: 3:30

Relinquished by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature) [Signature]

Date: 6/7/02

Time: 15:30

Received by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Lab Use Only

Received on Ice: Y N

T1

T2

T3

AVG Temp °C 4

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

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

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Envirotech Analytical Laboratory

Printed: 6/7/2022 3:56:32PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Dugan Production Corp.	Date Received:	06/07/22 15:30	Work Order ID:	E206041
Phone:	505-486-6207	Date Logged In:	06/07/22 15:34	Logged In By:	Caitlin Christian
Email:	kevin.smaka@duganproduction.com	Due Date:	06/10/22 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Carrier: Mario Ulibarri

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

Comments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Figure B: Final Samples Lab Data Sheets & Chain of Custody

Report to:
Kevin Smaka



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Dugan Production Corp.

Project Name: Satchmo #2

Work Order: E410003

Job Number: 06097-0177

Received: 10/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/8/24

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Date Reported: 10/8/24

Kevin Smaka
PO Box 420
Farmington, NM 87499



Project Name: Satchmo #2
Workorder: E410003
Date Received: 10/1/2024 3:03:00PM

Kevin Smaka,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2024 3:03:00PM, under the Project Name: Satchmo #2.

The analytical test results summarized in this report with the Project Name: Satchmo #2 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation**Table of Contents**

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
1 SM #2 surface spill	6
2 SM #2 surface spill	7
3 SM #2 surface spill	8
4 SM #2 surface spill	9
5 SM #2 surface spill	10
6 SM #2 surface spill	11
7 SM #2 surface spill	12
8 SM #2 6 inch on spill	13
9 SM #2 12 inch on spill	14
10 SM #2 18 inch on spill	15
11 SM #2 24 inch on spill	16
12 SM #2 6 inch on spill	17
13 SM #2 12 inch on spill	18
14 SM #2 18 inch on spill	19
15 SM #2 24 inch on spill	20
16 SM #2 6 inch off pad	21
17 SM #2 12 inch off pad	22
18 SM #2 6 inch off pad	23
19 SM #2 12 inch off pad	24
20 SM #2 6 inch off pad	25

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation**Table of Contents (continued)**

21 SM #2 12 inch off pad	26
22 SM #2 6 inch off pad	27
23 SM #2 12 inch off pad	28
24 SM #2 6 inch off pad	29
25 SM #2 12 inch off pad	30
26 SM #2 6 inch off pad	31
27 SM #2 12 inch off pad	32
28 SM #2 6 inch off pad	33
29 SM #2 12 inch off pad	34
QC Summary Data	35
QC - Volatile Organic Compounds by EPA8260B	35
QC - Volatile Organics by EPA 8021B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	37
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	39
QC - Anions by EPA 300.0/9056A	41
Definitions and Notes	43
Chain of Custody etc.	44

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Summary

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/08/24 14:06
--	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
1 SM #2 surface spill	E410003-01A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
2 SM #2 surface spill	E410003-02A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
3 SM #2 surface spill	E410003-03A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
4 SM #2 surface spill	E410003-04A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
5 SM #2 surface spill	E410003-05A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
6 SM #2 surface spill	E410003-06A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
7 SM #2 surface spill	E410003-07A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
8 SM #2 6 inch on spill	E410003-08A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
9 SM #2 12 inch on spill	E410003-09A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
10 SM #2 18 inch on spill	E410003-10A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
11 SM #2 24 inch on spill	E410003-11A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
12 SM #2 6 inch on spill	E410003-12A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
13 SM #2 12 inch on spill	E410003-13A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
14 SM #2 18 inch on spill	E410003-14A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
15 SM #2 24 inch on spill	E410003-15A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
16 SM #2 6 inch off pad	E410003-16A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
17 SM #2 12 inch off pad	E410003-17A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
18 SM #2 6 inch off pad	E410003-18A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
19 SM #2 12 inch off pad	E410003-19A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
20 SM #2 6 inch off pad	E410003-20A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
21 SM #2 12 inch off pad	E410003-21A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
22 SM #2 6 inch off pad	E410003-22A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
23 SM #2 12 inch off pad	E410003-23A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
24 SM #2 6 inch off pad	E410003-24A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
25 SM #2 12 inch off pad	E410003-25A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
26 SM #2 6 inch off pad	E410003-26A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
27 SM #2 12 inch off pad	E410003-27A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
28 SM #2 6 inch off pad	E410003-28A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.
29 SM #2 12 inch off pad	E410003-29A	Soil	10/01/24	10/01/24	Glass Jar, 2 oz.

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

1 SM #2 surface spill

E410003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		99.7 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		99.7 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		105 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

2 SM #2 surface spill

E410003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	



Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

3 SM #2 surface spill

E410003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		98.6 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		98.6 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		107 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	
PO Box 420	Project Number:	06097-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/8/2024 2:06:52PM

4 SM #2 surface spill

E410003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	109 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

5 SM #2 surface spill

E410003-05

Analyte	Reporting		Dilution	Prepared	Analyzed	Notes
	Result	Limit				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	103 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	Reported: 10/8/2024 2:06:52PM
PO Box 420	Project Number:	06097-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	

6 SM #2 surface spill

E410003-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		101 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		101 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		111 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

7 SM #2 surface spill

E410003-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	106 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

8 SM #2 6 inch on spill

E410003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.7 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.7 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	110 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	45.5	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

9 SM #2 12 inch on spill

E410003-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	95.6 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	108 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	155	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

10 SM #2 18 inch on spill

E410003-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	114 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	424	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

11 SM #2 24 inch on spill

E410003-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	107 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	218	20.0	1	10/02/24	10/02/24	



Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

12 SM #2 6 inch on spill

E410003-12

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Reporting						
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.4 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.5 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.4 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	115 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

13 SM #2 12 inch on spill

E410003-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		100 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		100 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		110 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

14 SM #2 18 inch on spill

E410003-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.1 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.1 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	114 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	28.3	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

15 SM #2 24 inch on spill

E410003-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	98.8 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	101 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	32.4	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

16 SM #2 6 inch off pad

E410003-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.6 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	99.6 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	118 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

17 SM #2 12 inch off pad

E410003-17

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Reporting						
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2440058	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.9 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	99.1 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	102 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440054	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440061	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	Reported: 10/8/2024 2:06:52PM
PO Box 420	Project Number:	06097-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	

18 SM #2 6 inch off pad

E410003-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		101 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		96.9 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		101 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		116 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

19 SM #2 12 inch off pad

E410003-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene	97.3 %	70-130		10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/02/24	10/04/24	
Surrogate: Toluene-d8	100 %	70-130		10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

20 SM #2 6 inch off pad

E410003-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Benzene	ND	0.0250	1	10/02/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/04/24	
Toluene	ND	0.0250	1	10/02/24	10/04/24	
o-Xylene	ND	0.0250	1	10/02/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		100 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2440058
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/04/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130	10/02/24	10/04/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	10/02/24	10/04/24	
Surrogate: Toluene-d8		100 %	70-130	10/02/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440054
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane		123 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440061
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	
PO Box 420	Project Number:	06097-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/8/2024 2:06:52PM

21 SM #2 12 inch off pad

E410003-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	125 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

22 SM #2 6 inch off pad

E410003-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440060
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440060
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440056
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	133 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440063
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	Reported: 10/8/2024 2:06:52PM
PO Box 420	Project Number:	06097-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	

23 SM #2 12 inch off pad

E410003-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<u>Volatile Organics by EPA 8021B</u>	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/02/24	10/05/24	
<u>Nonhalogenated Organics by EPA 8015D - GRO</u>	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.6 %	70-130	10/02/24	10/05/24	
<u>Nonhalogenated Organics by EPA 8015D - DRO/ORO</u>	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
<i>Surrogate: n-Nonane</i>						
		123 %	50-200	10/02/24	10/04/24	
<u>Anions by EPA 300.0/9056A</u>	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	
PO Box 420	Project Number:	06097-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/8/2024 2:06:52PM

24 SM #2 6 inch off pad

E410003-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
<i>Surrogate: n-Nonane</i>						
		121 %	50-200	10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

25 SM #2 12 inch off pad

E410003-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440060
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440060
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.2 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440056
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	123 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2440063
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

26 SM #2 6 inch off pad

E410003-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	119 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

27 SM #2 12 inch off pad

E410003-27

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Reporting						
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/04/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/04/24	
Surrogate: n-Nonane	126 %	50-200		10/02/24	10/04/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

28 SM #2 6 inch off pad

E410003-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	99.8 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/05/24	
Surrogate: n-Nonane	112 %	50-200		10/02/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Sample Data

Dugan Production Corp.	Project Name:	Satchmo #2	
PO Box 420	Project Number:	06097-0177	Reported:
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/8/2024 2:06:52PM

29 SM #2 12 inch off pad

E410003-29

Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Reporting						
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Benzene	ND	0.0250	1	10/02/24	10/05/24	
Ethylbenzene	ND	0.0250	1	10/02/24	10/05/24	
Toluene	ND	0.0250	1	10/02/24	10/05/24	
o-Xylene	ND	0.0250	1	10/02/24	10/05/24	
p,m-Xylene	ND	0.0500	1	10/02/24	10/05/24	
Total Xylenes	ND	0.0250	1	10/02/24	10/05/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440060	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/02/24	10/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		10/02/24	10/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440056	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/05/24	
Surrogate: n-Nonane	131 %	50-200		10/02/24	10/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440063	
Chloride	ND	20.0	1	10/02/24	10/02/24	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Satchmo #2 06097-0177 Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	---	--------------------------------------

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2440058-BLK1)

Prepared: 10/02/24 Analyzed: 10/04/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS (2440058-BS1)

Prepared: 10/02/24 Analyzed: 10/04/24

Benzene	1.90	0.0250	2.50		76.1	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.0	70-130			
Toluene	2.19	0.0250	2.50		87.7	70-130			
o-Xylene	2.32	0.0250	2.50		92.9	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130			
Total Xylenes	6.97	0.0250	7.50		92.9	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike (2440058-MS1)

Source: E410003-06

Prepared: 10/02/24 Analyzed: 10/04/24

Benzene	2.32	0.0250	2.50	ND	92.8	48-131			
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135			
Toluene	2.49	0.0250	2.50	ND	99.5	48-130			
o-Xylene	2.53	0.0250	2.50	ND	101	43-135			
p,m-Xylene	5.10	0.0500	5.00	ND	102	43-135			
Total Xylenes	7.63	0.0250	7.50	ND	102	43-135			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

Matrix Spike Dup (2440058-MSD1)

Source: E410003-06

Prepared: 10/02/24 Analyzed: 10/04/24

Benzene	2.31	0.0250	2.50	ND	92.5	48-131	0.324	23	
Ethylbenzene	2.51	0.0250	2.50	ND	100	45-135	2.51	27	
Toluene	2.54	0.0250	2.50	ND	102	48-130	2.11	24	
o-Xylene	2.74	0.0250	2.50	ND	109	43-135	7.82	27	
p,m-Xylene	5.42	0.0500	5.00	ND	108	43-135	6.17	27	
Total Xylenes	8.16	0.0250	7.50	ND	109	43-135	6.72	27	
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2440060-BLK1)

Prepared: 10/02/24 Analyzed: 10/05/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

LCS (2440060-BS1)

Prepared: 10/02/24 Analyzed: 10/05/24

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	5.02	0.0250	5.00		100	70-130			
Toluene	5.13	0.0250	5.00		103	70-130			
o-Xylene	5.04	0.0250	5.00		101	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.2	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

Matrix Spike (2440060-MS1)

Source: E410003-27

Prepared: 10/02/24 Analyzed: 10/05/24

Benzene	5.45	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
Toluene	5.37	0.0250	5.00	ND	107	61-130			
o-Xylene	5.27	0.0250	5.00	ND	105	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

Matrix Spike Dup (2440060-MSD1)

Source: E410003-27

Prepared: 10/02/24 Analyzed: 10/05/24

Benzene	4.64	0.0250	5.00	ND	92.9	54-133	16.0	20	
Ethylbenzene	4.45	0.0250	5.00	ND	89.1	61-133	16.3	20	
Toluene	4.56	0.0250	5.00	ND	91.2	61-130	16.2	20	
o-Xylene	4.50	0.0250	5.00	ND	90.0	63-131	15.9	20	
p,m-Xylene	9.06	0.0500	10.0	ND	90.6	63-131	16.1	20	
Total Xylenes	13.6	0.0250	15.0	ND	90.4	63-131	16.0	20	
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2440058-BLK1) Prepared: 10/02/24 Analyzed: 10/04/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS (2440058-BS2) Prepared: 10/02/24 Analyzed: 10/04/24

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.3	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			

Matrix Spike (2440058-MS2) Source: E410003-06 Prepared: 10/02/24 Analyzed: 10/04/24

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike Dup (2440058-MSD2) Source: E410003-06 Prepared: 10/02/24 Analyzed: 10/04/24

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130	2.92	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp.	Project Name:	Satchmo #2	Reported:
PO Box 420	Project Number:	06097-0177	
Farmington NM, 87499	Project Manager:	Kevin Smaka	10/8/2024 2:06:52PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2440060-BLK1) Prepared: 10/02/24 Analyzed: 10/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

LCS (2440060-BS2) Prepared: 10/02/24 Analyzed: 10/05/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Matrix Spike (2440060-MS2) Source: E410003-27 Prepared: 10/02/24 Analyzed: 10/05/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0	ND	85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2440060-MSD2) Source: E410003-27 Prepared: 10/02/24 Analyzed: 10/05/24

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.8	70-130	2.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Project Number: Project Manager:	Satchmo #2 06097-0177 Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	---	--------------------------------------

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2440054-BLK1) Prepared: 10/02/24 Analyzed: 10/04/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			

LCS (2440054-BS1) Prepared: 10/02/24 Analyzed: 10/04/24

Diesel Range Organics (C10-C28)	266	25.0	250		106	38-132			
Surrogate: n-Nonane	51.3		50.0		103	50-200			

Matrix Spike (2440054-MS1) Source: E410003-05 Prepared: 10/02/24 Analyzed: 10/04/24

Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	54.4		50.0		109	50-200			

Matrix Spike Dup (2440054-MSD1) Source: E410003-05 Prepared: 10/02/24 Analyzed: 10/04/24

Diesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132	0.802	20	
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499			Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka			Reported: 10/8/2024 2:06:52PM			
Nonhalogenated Organics by EPA 8015D - DRO/ORO									Analyst: NV
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2440056-BLK1)									Prepared: 10/02/24 Analyzed: 10/04/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.4		50.0		123	50-200			
LCS (2440056-BS1)									Prepared: 10/02/24 Analyzed: 10/04/24
Diesel Range Organics (C10-C28)	306	25.0	250		122	38-132			
Surrogate: n-Nonane	60.2		50.0		120	50-200			
Matrix Spike (2440056-MS1)				Source: E410003-25		Prepared: 10/02/24 Analyzed: 10/04/24			
Diesel Range Organics (C10-C28)	318	25.0	250	ND	127	38-132			
Surrogate: n-Nonane	62.1		50.0		124	50-200			
Matrix Spike Dup (2440056-MSD1)				Source: E410003-25		Prepared: 10/02/24 Analyzed: 10/04/24			
Diesel Range Organics (C10-C28)	317	25.0	250	ND	127	38-132	0.0503	20	
Surrogate: n-Nonane	63.8		50.0		128	50-200			

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/8/2024 2:06:52PM
--	--	----------------------------------

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2440061-BLK1)					Prepared: 10/02/24 Analyzed: 10/02/24				
Chloride	ND	20.0							
LCS (2440061-BS1)					Prepared: 10/02/24 Analyzed: 10/02/24				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2440061-MS1)					Source: E410003-03 Prepared: 10/02/24 Analyzed: 10/02/24				
Chloride	250	20.0	250	ND	100	80-120			
Matrix Spike Dup (2440061-MSD1)					Source: E410003-03 Prepared: 10/02/24 Analyzed: 10/02/24				
Chloride	252	20.0	250	ND	101	80-120	0.769	20	

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

QC Summary Data									
Dugan Production Corp. PO Box 420 Farmington NM, 87499			Project Name:		Satchmo #2			Reported:	
			Project Number:		06097-0177				
			Project Manager:		Kevin Smaka			10/8/2024 2:06:52PM	
Anions by EPA 300.0/9056A									
Analyst: DT									
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2440063-BLK1)									
Chloride	ND	20.0					Prepared: 10/02/24	Analyzed: 10/02/24	
LCS (2440063-BS1)									
Chloride	257	20.0	250		103	90-110		Prepared: 10/02/24	Analyzed: 10/02/24
Matrix Spike (2440063-MS1)									
Chloride	259	20.0	250	ND	104	80-120		Prepared: 10/02/24	Analyzed: 10/02/24
Matrix Spike Dup (2440063-MSD1)									
Chloride	257	20.0	250	ND	103	80-120	0.941	20	

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation**Definitions and Notes**

Dugan Production Corp. PO Box 420 Farmington NM, 87499	Project Name: Satchmo #2 Project Number: 06097-0177 Project Manager: Kevin Smaka	Reported: 10/08/24 14:06
--	--	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Chain of Custody

Page 1 of 13

Client Information				Invoice Information		Lab Use Only		TAT		State								
Client: <u>Dugan Production</u>				Company: <u>Dugan</u>		Lab WO# <u>F410003</u> Job Number <u>06094.071</u>		1D 2D 3D Std		NM CO UT TX								
Project Name: <u>SATCHEL #2</u>				Address:														
Project Manager: <u>Kevin Smalek</u>				City, State, Zip:														
Address:				Phone:														
City, State, Zip:				Email:														
Phone:				Miscellaneous:														
Email:																		
Sample Information										EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	UNCLORO by 8015	GRQ/DBO by 8015	BTEX by 8021	VOC by 8021	Chloride 300.0	BDDOC - HMA	TCIQ 1005 - TX	RCRA & Metals	Chlorine by 8021	SDWA	CWA	RCRA
11:00	10-1-24	S	1	1 SM #2 surface spill		1												
				2 " " " "		2												
				3 " " " "		3												
				4 " " " "		4												
				5 " " " "		5												
				6 " " " "		6												
				7 " " " "		7												
				8 " " " " " " " "		8												
				9 " " " " " " " "		9												
				10 " " " " " " " "		10												
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>A. Mario Alibary</u>																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
<u>[Signature]</u>		<u>10-1-24</u>		<u>11:00</u>		<u>[Signature]</u>		<u>10-1-24</u>		<u>15:03</u>		Lab Use Only						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <u>Y</u> N						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Page 44 of 47



envirotech

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Chain of Custody

Page 2 of 23

Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: <u>Dugan Production</u>				Company: <u>Dugan</u>				Lab WO# <u>E410003</u>				Job Number <u>0604-0177</u>				1D 2D 3D Std <u>12</u>							
Project Name: <u>SATCIMO #2</u>				Address:												NM CO UT TX <u>TX</u>							
Project Manager: <u>Kevin Smaka</u>				City, State, Zip:																			
Address:				Phone:																			
City, State, Zip:				Email:																			
Phone:				Miscellaneous:																			
Email:																							
Sample Information												Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field ID	Lab Number	GRD/GRD by 8015	GRD/GRD by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	SGDOC - NM	TCIG 1005 - TX	RCRA 8 Metals	Cation/Anion Pg	SDWA	CWA	RCRA					
11:00 AM	10/24	S	1	11 SM #2 24 inch on spill		11																	
				12 " " 6 inch on spill		12																	
				13 " " 12 inch " "		13																	
				14 " " 18 inch " "		14																	
				15 " " 24 inch " "		15																	
				16 " " 6 inch off pad		16																	
				17 " " 12 inch off pad		17																	
				18 " " 6 inch " "		18																	
				19 " " 12 inch " "		19																	
				20 " " 6 inch " "		20																	
Additional Instructions:																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: <u>Mario Ulibari</u>																							
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>10-24</u> Time <u>8:00 PM</u>				Received by: (Signature) <u>[Signature]</u>				Date <u>10-24</u> Time <u>15703</u>				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on _____							
Relinquished by: (Signature)				Date				Received by: (Signature)				Date				Lab Use Only							
Relinquished by: (Signature)				Date				Received by: (Signature)				Date				Received on ice: <u>Y</u> N							
Relinquished by: (Signature)				Date				Received by: (Signature)				Date				T1 _____ T2 _____ T3 _____							
Relinquished by: (Signature)				Date				Received by: (Signature)				Date				AVG Temp °C <u>4</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



envirotech

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Chain of Custody

Page 3 of 3

Client Information				Invoice Information		Lab Use Only		TAT		State											
Client: <u>Dugan Production</u>				Company: <u>Dugan</u>		Lab WO# <u>E410003</u> Job Number <u>06094-0171</u>		1D <u> </u> 2D <u> </u> 3D <u> </u> Std <u> </u>		NM <u> </u> CO <u> </u> UT <u> </u> TX <u> </u>											
Project Name: <u>SATCHMO #2</u>				Address: <u> </u>		City, State, Zip: <u> </u>		Phone: <u> </u>		Email: <u> </u>											
City, State, Zip: <u> </u>				Miscellaneous: <u> </u>																	
Sample Information				Analysis and Method		EPA Program															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filtered	Lab Number	DRG/DRO by 8015	GRG/DRO by 8015	BTX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCIG 1005 - TX	PCMS & Metals	Chlorine Res. Pg.	SDWA	CWA	RCRA	Compliance	PWSID #	Remarks
11:00 AM	10/1/24	S	1	21 SM #2 12 inch off Pad		21															
				22 " " 6 inch " "		22															
				23 " " 12 inch " "		23															
				24 " " 6 inch " "		24															
				25 " " 12 inch " "		25															
				26 " " 6 inch " "		26															
				27 " " 12 inch " "		27															
				28 " " 6 inch " "		28															
				29 " " 12 inch " "		29															
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: <u>Mario Uliana</u>																					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on <u> </u>									
<u>R.B.F.</u>		10-1-24		8:00 PM		<u>Chris Man</u>		10-1-23		15:03		Received on ice: <u> </u> Lab Use Only <u> </u> N <u> </u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 <u> </u> T2 <u> </u> T3 <u> </u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

Page 46 of 47



envirotech

Appendix F: Laboratory Data Sheets & Chain of Custody Documentation

Envirotech Analytical Laboratory

Printed: 10/2/2024 8:40:59AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Dugan Production Corp.	Date Received:	10/01/24 15:03	Work Order ID:	E410003
Phone:	505-486-6207	Date Logged In:	10/01/24 15:23	Logged In By:	Caitlin Mars
Email:	kevin.smaka@duganproduction.com	Due Date:	10/08/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: Mario UlibarriComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 430649

QUESTIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2223445319
Incident Name	NAPP2223445319 SATCHMO COM #2 @ 30-045-34425
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-045-34425] SATCHMO COM #002

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	SATCHMO COM #2
Date Release Discovered	05/13/2022
Surface Owner	Federal

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

Nature and Volume of Release	
<i>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.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Valve Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 0 BBL Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

QUESTIONS, Page 2

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a 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	False
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	No berms, dikes, absorbent pads or other containment devices have been used - OCD inspector notified operator that "evidence of historical leaking was found"

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: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 12/19/2024
--	---

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

QUESTIONS, Page 3

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Site Characterization	
<i>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.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 200 and 300 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 300 and 500 (ft.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 500 and 1000 (ft.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	None
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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>	
Requesting a remediation plan approval with this submission	Yes
<i>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.</i>	
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)	424
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
<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>	
On what estimated date will the remediation commence	06/07/2022
On what date will (or did) the final sampling or liner inspection occur	10/01/2024
On what date will (or was) the remediation complete(d)	10/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	2000
What is the estimated volume (in cubic yards) that will be reclaimed	148
What is the estimated surface area (in square feet) that will be remediated	2000
What is the estimated volume (in cubic yards) that will be remediated	148
<i>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.</i>	
<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>	

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

QUESTIONS, Page 4

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

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.)	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<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: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/11/2025
<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>	

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

QUESTIONS, Page 5

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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

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

QUESTIONS, Page 6

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	387588
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/01/2024
What was the (estimated) number of samples that were to be gathered	29
What was the sampling surface area in square feet	2647

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
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	2000
What was the total volume (cubic yards) remediated	148
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	2000
What was the total volume (in cubic yards) reclaimed	148
Summarize any additional remediation activities not included by answers (above)	No additional information
<i>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>	
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: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/11/2025

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

QUESTIONS, Page 7

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	2000
What was the total volume of replacement material (in cubic yards) for this site	0
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseedling commence(d)	10/01/2024
Summarize any additional reclamation activities not included by answers (above)	No additional information
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseedling plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</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. 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: Tyra Feil Title: ENGINEERING ASSISTANT Email: Tyra.Feil@duganproduction.com Date: 02/11/2025

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

QUESTIONS, Page 8

Action 430649

QUESTIONS (continued)

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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 430649

CONDITIONS

Operator: DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	OGRID: 6515
	Action Number: 430649
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	5/29/2025