

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

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

Printed Name: Chad Hensley Title: HSE Coordinator

Signature: _____ Date: 7/31/2022

email: chensley@spurenergy.com Telephone: 314-290-8614

OCD Only

Received by: Jocelyn Harimon Date: 08/03/2022

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Chad Hensley Title: HSE Coordinator
Signature:  Date: 8/3/2022
email: chensley@spurenergy.com Telephone: (346) 339-1494

OCD Only

Jocelyn Harimon

Received by: _____ Date: _____

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

Closure Approved by:  Date: 08/08/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A



Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

July 31, 2022

Bureau of Land Management
 620 East Green Street
 Carlsbad, NM 88220

NMOCD District 2
 811 S. First Street
 Artesia, NM 88210

Re: Site Assessment, Remediation, and Closure Report
Maljamar Transfer Line
API No. N/A
GPS: Latitude 32.7969343 Longitude -103.763427
ULSTR -- A, 33, T17S, R32E
Lea County, NM
NMOCD Ref. No. NAPP2212936670

Pima Environmental Services, LLC. (Pima) has been contracted by Spur Energy Partners, LLC. (Spur) to perform a spill assessment, remediation, and submit this closure report for a produced water release that occurred at the Maljamar Transfer Line (Maljamar). The initial C-141 was submitted on July 20, 2022 (Appendix C). This incident was assigned Incident ID NAPP2212936670 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Maljamar is located approximately four (4) miles south of Maljamar, NM. This spill site is in Unit A, Section 33, Township 17S, Range 32E, Latitude 32.7969343 Longitude -103.763427, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Maljamar and Palomas fine sands, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Maljamar (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 124 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 69 feet BGS. The closest waterway is a Salt Playa located approximately 13.62 miles to the South of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAPP2212936670: On May 7, 2022, high line pressure caused the underground flowline to rupture which caused the fluid release. The released fluids were calculated to be approximately 542 barrels (bbls) of produced water. Vacuum trucks were dispatched to recover standing fluid, approximately 460 bbls of produced water was able to be recovered.

Site Assessment and Soil Sampling Results

On May 7, 2022, Pima mobilized personnel to the site to assess the area. We sampled the impacted areas at various depths. A Site Map can be found in Figure 4.

On May 17, 2022, Pima personnel returned to the site to complete the delineation process. The results of both sampling events can be found in the combined data table below.

5-7-22 & 5-17-22 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 124')								
Spur Energy - Maljamar Flowline								
Dates: 5/7/22 & 5/17/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	6"	83.7	29.7	1280	29400	9760	40440	10600
	4'	49.9	13.1	808	10100	ND	14338	9330
	8'	ND	ND	ND	ND	ND	0	81
S-2	6"	3.09	0.353	56.2	98.2	ND	154.4	3330
	4'	ND	ND	ND	48.1	ND	0	11100
	6'	ND	ND	ND	351	183	534	274
	8'	ND	ND	ND	ND	ND	0	ND
S-3	6"	ND	ND	ND	ND	ND	0	5070
	4'	ND	ND	ND	ND	ND	0	7420
	6'	ND	ND	ND	ND	ND	0	420
S-4	6"	ND	ND	ND	63.1	ND	63.1	7600
	4'	ND	ND	ND	63.1	ND	0	12100
	6'	ND	ND	ND	8520	5320	13840	ND
	8'	ND	ND	ND	ND	ND	0	ND
BG-1	1'	ND	0.06	ND	ND	ND	0	ND
BG-2	1'	ND	0.032	ND	ND	ND	0	ND
SW-1	4'	ND	ND	ND	ND	ND	0	275
SW-2	2'	ND	ND	ND	ND	ND	0	275
SW-3	2'	ND	ND	ND	ND	ND	0	22.1
SW-4	2'	ND	ND	ND	ND	ND	0	101
SW-5	2'	ND	ND	ND	ND	ND	0	96.3
SW-6	2'	ND	ND	ND	ND	ND	0	23
SW-7	2'	ND	ND	ND	ND	ND	0	153
SW-8	4'	ND	ND	ND	ND	ND	0	135

ND- Analyte Not Detected

Remediation Activities

On June 12, 2022, Pima mobilized personnel and equipment to conduct remedial activities. We excavated the area to various depths collecting samples to verify all contaminated soil had been removed. The contaminated soil was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On July 18, 2022, after sending a 48-hour notification (Appendix C), Pima began collecting confirmation samples of the excavated areas. Laboratory results of this sampling event can be found in the following data table. A Confirmation Sample Map can be found in Figure 5.

7-18-22 Confirmation Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 124')								
Spur Energy - Maljamar Flowline								
Date: 7/18/22		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CSW 1	4'	ND	ND	ND	ND	ND	0	ND
CSW 2	4'	ND	ND	ND	ND	ND	0	ND
CSW 3	4'	ND	ND	ND	ND	ND	0	ND
CSW 4	4'	ND	ND	ND	ND	ND	0	ND
CSW 5	5'	ND	ND	ND	ND	ND	0	ND
CSW 6	4'	ND	ND	ND	ND	ND	0	ND
CSW 7	5'	ND	ND	ND	ND	ND	0	ND
CSW 8	5'	ND	ND	ND	ND	ND	0	ND
CSW 9	4'	ND	ND	ND	ND	ND	0	ND
CSW 10	4'	ND	ND	ND	ND	ND	0	ND
CSW 11	4'	ND	ND	ND	ND	ND	0	ND
CSW 12	4'	ND	ND	ND	ND	ND	0	ND
CSW 13	4'	ND	ND	ND	ND	ND	0	ND
CSW 14	4'	ND	ND	ND	ND	ND	0	ND
CSW 15	4'	ND	ND	ND	ND	ND	0	ND
CS-1 B	4'	ND	ND	ND	ND	ND	0	ND
CS-2 B	4'	ND	ND	ND	ND	ND	0	ND
CS-3 B	4'	ND	ND	ND	ND	ND	0	ND
CS-4 B	4'	ND	ND	ND	ND	ND	0	ND
CS-5 B	4'	ND	ND	ND	ND	ND	0	ND
CS-6 B	4'	ND	ND	ND	ND	ND	0	ND
CS-7 B	4'	ND	ND	ND	ND	ND	0	ND
CS-8 B	4'	ND	ND	ND	ND	ND	0	ND
CS-9 B	4'	ND	ND	ND	ND	ND	0	ND
CS-10 B	4'	ND	ND	ND	ND	ND	0	ND
CS-11 B	4'	ND	ND	ND	ND	ND	0	ND
CS-12 B	4'	ND	ND	ND	ND	ND	0	ND
CS-13 B	4'	ND	ND	ND	ND	ND	0	ND
CS-14 B	4'	ND	ND	ND	ND	ND	0	ND
CS-15 B	4'	ND	ND	ND	ND	ND	0	ND
CS-16 B	4'	ND	ND	ND	ND	ND	0	ND
CS-17 B	4'	ND	ND	ND	ND	ND	0	ND
CS-18 B	4'	ND	ND	ND	ND	ND	0	ND
CS-19 B	4'	ND	ND	ND	ND	ND	0	ND
CS-20 B	4'	ND	ND	ND	ND	ND	0	ND
CS-21 B	4'	ND	ND	ND	ND	ND	0	ND
CS-22 B	4'	ND	ND	ND	ND	ND	0	ND
CS-23 B	7'	ND	ND	ND	ND	ND	0	ND
CS-24 B	7'	ND	ND	ND	ND	ND	0	ND
CS-25 B	4'	ND	ND	ND	ND	ND	0	ND
CS-26 B	7'	ND	ND	ND	ND	ND	0	ND
CS-27 B	4'	ND	ND	ND	ND	ND	0	ND
CS-28 B	4'	ND	ND	ND	ND	ND	0	ND
CS-29 B	4'	ND	ND	ND	ND	ND	0	ND
CS-30 B	4'	ND	ND	ND	ND	ND	0	ND
CS-31 B	4'	ND	ND	ND	ND	ND	0	ND
CS-32 B	4'	ND	ND	ND	ND	ND	0	ND
CS-33 B	4'	ND	ND	ND	ND	ND	0	ND
CS-34 B	4'	ND	ND	ND	ND	ND	0	ND
CS-35 B	4'	ND	ND	ND	ND	ND	0	ND
CS-36 B	4'	ND	ND	ND	ND	ND	0	ND
CS-37 B	4'	ND	ND	ND	ND	ND	0	ND
CS-38 B	4'	ND	ND	ND	ND	ND	0	ND
CS-39 B	4'	ND	ND	ND	ND	ND	0	ND
CS-40 B	4'	ND	ND	ND	ND	ND	0	ND
CS-41 B	4'	ND	ND	ND	ND	ND	0	ND
CS-42 B	4'	ND	ND	ND	ND	ND	0	ND
CS-43 B	4'	ND	ND	ND	ND	ND	0	ND
CS-44 B	4'	ND	ND	ND	ND	ND	0	ND
CS-45 B	7'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottom and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was transported to Lea Land, an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and contoured to match the surrounding terrain. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2212936670 be closed. Spur has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,

Gio Gomez

Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48-Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1 - Location Map

2 - Topographic Map

3 - Karst Map


4 - Site Map

5 – Confirmation Sample Map

Maljamar Transfer Line

Spur Energy
API # N/A
Lea County, NM
Location Map

Legend


 Maljamar Transfer Line

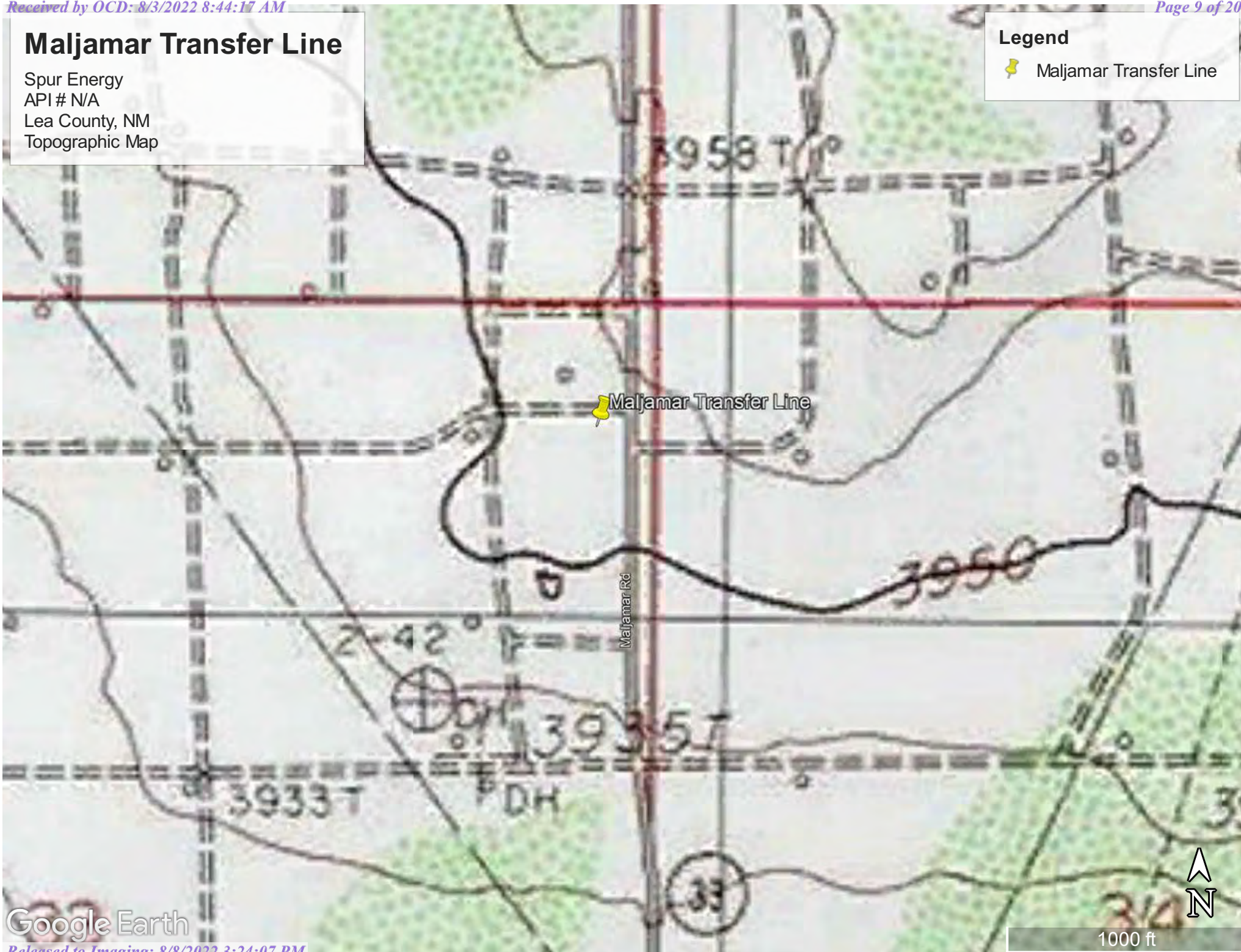


Maljamar Transfer Line

Spur Energy
API # N/A
Lea County, NM
Topographic Map

Legend

 Maljamar Transfer Line



Maljamar Transfer Line

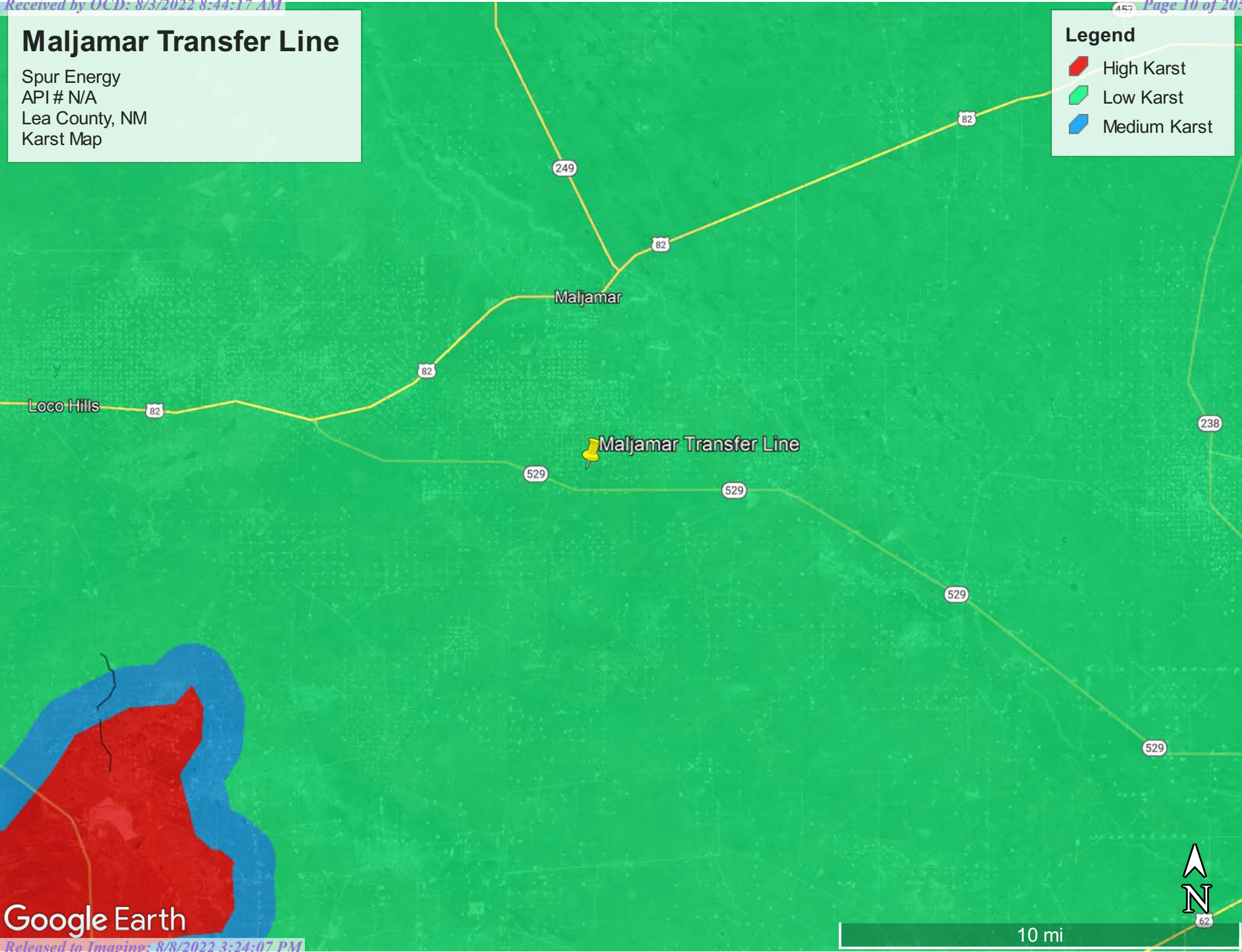
Spur Energy
API # N/A
Lea County, NM
Karst Map

Legend

High Karst

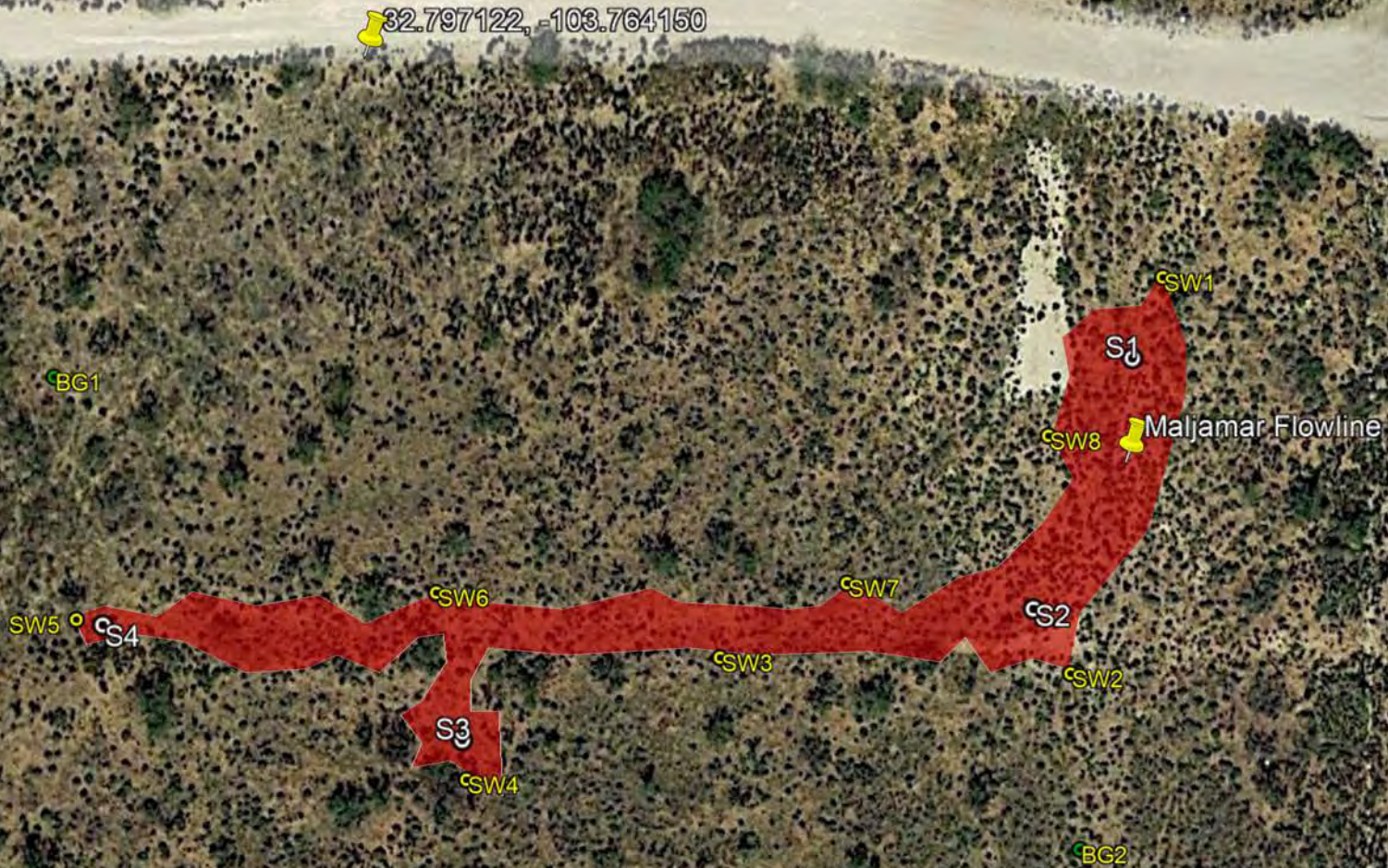
Low Karst

Medium Karst



Spur Energy
API # N/A
Lea County, NM
Site Map

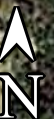
- Backgrounds
- Samples
- Sidewalls
- Spill Area-9,000sqft



Google Earth

Released to Imaging: 8/8/2022 3:24:07 PM

200 ft



Maljamar Transfer Line

Spur Energy
API # N/A
Lea County, NM
Confirmation Sample Map

Legend

- Composite Bottoms
- Composite Sidewalls
- Spill Area-9,000sqft



Google Earth



100 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
RA 12721 POD6		RA	LE	1	2	2	33	17S	32E	615530	3629431	190	130		
RA 12721 POD5		RA	LE	2	4	4	28	17S	32E	615650	3629961	494	130	124	6
RA 12721 POD3		RA	LE	2	3	4	28	17S	32E	615417	3629979	589	115		
RA 12721 POD4		RA	LE	1	1	2	33	17S	32E	615055	3629589	671	140		
RA 12721 POD7		RA	LE	1	3	2	33	17S	32E	615064	3629198	707	130		
RA 12721 POD8		RA	LE	1	2	1	33	17S	32E	614640	3629463	1075	130	108	22
RA 12721 POD2		RA	LE	1	1	4	28	17S	32E	615055	3630407	1145	124	75	49
RA 12721 POD1		RA	LE	3	2	3	28	17S	32E	614645	3630141	1263	125		
RA 12020 POD3		RA	LE	2	1	2	28	17S	32E	615152	3631019	1647	112	83	29
RA 12020 POD1		RA	LE	2	2	1	28	17S	32E	614828	3630954	1728	120	81	39
RA 10175		RA	LE		2	1	28	17S	32E	614814	3631005*	1778	158		
RA 12522 POD3		RA	LE	4	4	3	28	17S	32E	614980	3631093	1781	100		
RA 12522 POD2		RA	LE	2	2	1	28	17S	32E	614949	3631098	1798	100		
RA 12522 POD1		RA	LE	3	3	4	21	17S	32E	614941	3631122	1823	100		
RA 12521 POD1		RA	LE	3	3	4	21	17S	32E	615127	3631271	1893	105	92	13
RA 12042 POD1		RA	LE	2	2	1	28	17S	32E	614891	3631181	1898	400		
CP 00566 POD1		CP	LE	4	4	1	04	18S	32E	614960	3627280*	2318	133	65	68

Average Depth to Water: **89 feet**

Minimum Depth: **65 feet**

Maximum Depth: **124 feet**

Record Count: 17

UTM NAD83 Radius Search (in meters):

Easting (X): 615716

Northing (Y): 3629471.68

Radius: 3000

*UTM location was derived from PLSS - see Help

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


5/19/22 9:55 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)		
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	
NA	RA 12721 POD5	2	4	4	28	17S	32E	615650	3629961 	
<hr/>										
Driller License:	1456	Driller Company:				WHITE DRILLING COMPANY				
Driller Name:	WHITE, JOHNNOWN.GENER									
Drill Start Date:	04/27/2020	Drill Finish Date:				04/28/2020		Plug Date:		
Log File Date:	05/18/2020	PCW Rev Date:						Source:	Shallow	
Pump Type:		Pipe Discharge Size:						Estimated Yield:		
Casing Size:	2.00	Depth Well:				130 feet		Depth Water:	124 feet	
<hr/>										
Water Bearing Stratifications:					Top	Bottom	Description			
						109	121	Sandstone/Gravel/Conglomerate		
						121	125	Sandstone/Gravel/Conglomerate		
						125	130	Sandstone/Gravel/Conglomerate		
<hr/>										
Casing Perforations:					Top	Bottom				
						90	130			
<hr/>										

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5/19/22 9:56 AM

POINT OF DIVERSION SUMMARY



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater



Geographic Area:

United States



GO

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- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#)

Groundwater levels for the Nation



Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

site_no list =

- 324829103420201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 324829103420201 17S.33E.30.12432

Available data for this site

Groundwater: Field measurements



GO

Lea County, New Mexico

Hydrologic Unit Code 12080003

Latitude 32°48'35", Longitude 103°42'13" NAD27

Land-surface elevation 4,051.40 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

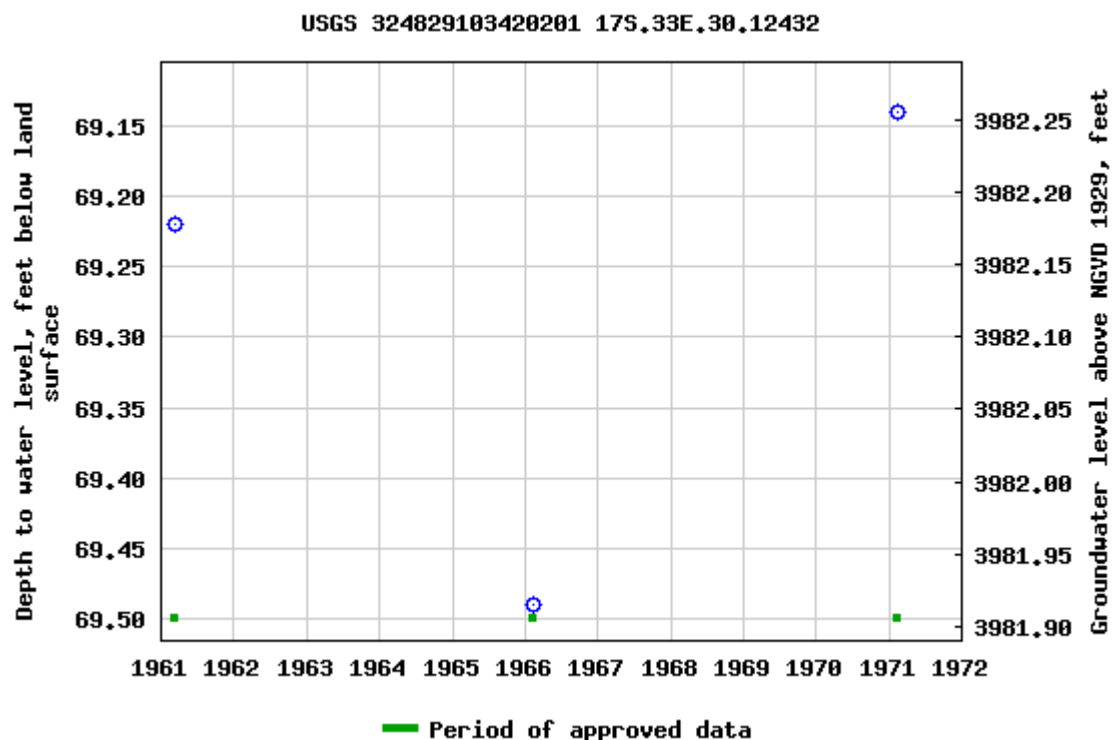
Output formats

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Breaks in the plot represent a gap of at least one year between field measurements.
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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-07-19 13:46:32 EDT



0.55 0.47 nadww02

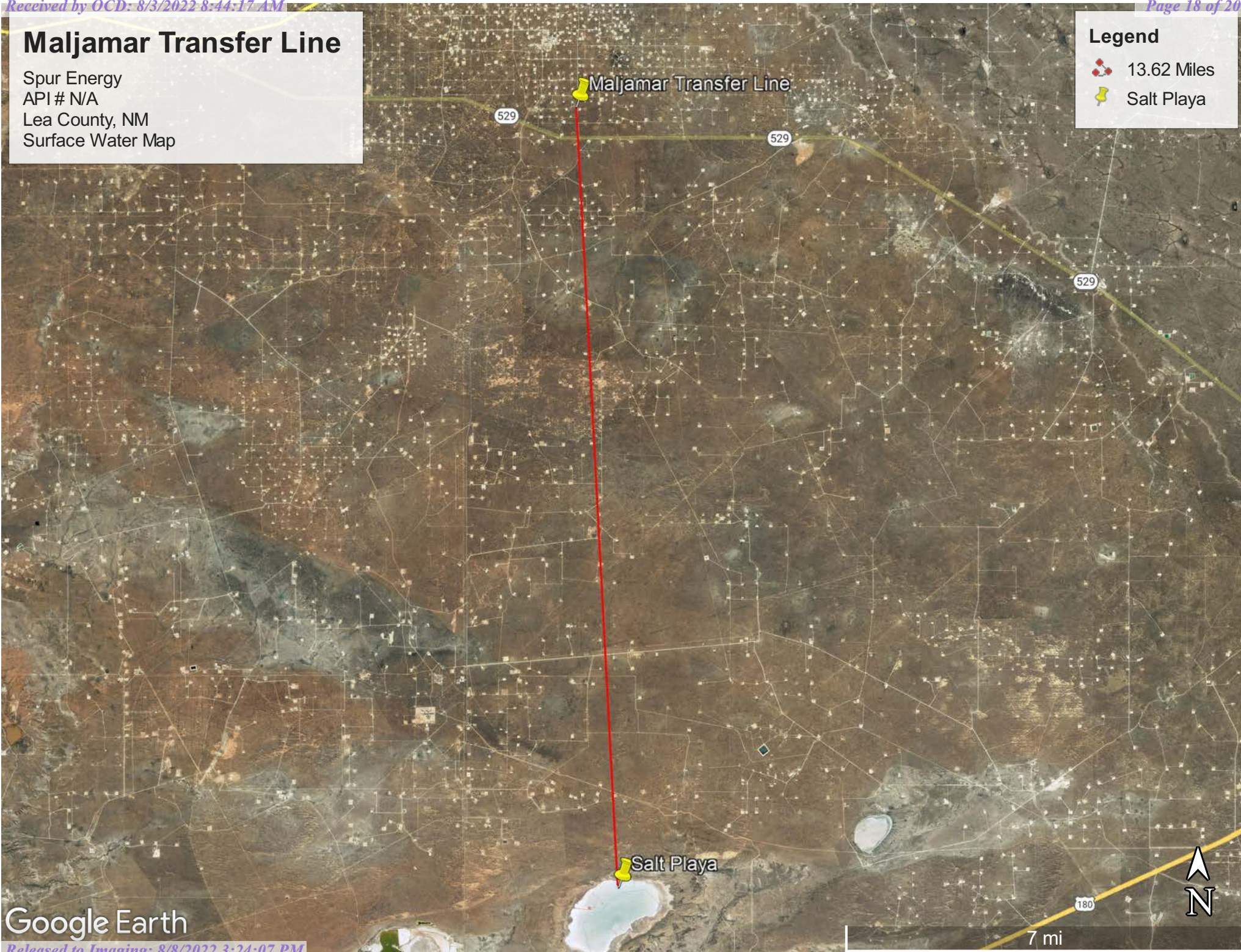


Maljamar Transfer Line

Spur Energy
API # N/A
Lea County, NM
Surface Water Map

Legend

-  13.62 Miles
-  Salt Playa



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,
New Mexico

Lea County, New Mexico

MF—Maljamar and Palomas fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmqb

Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 15 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Maljamar and similar soils: 46 percent

Palomas and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Maljamar

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam

Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 7e

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,
New Mexico

Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Description of Palomas

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from sandstone

Typical profile

A - 0 to 16 inches: fine sand
Bt - 16 to 60 inches: sandy clay loam
Bk - 60 to 66 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water
(Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 45 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0
mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 7.5
inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 5 percent
Ecological site: R042XC022NM - Sandhills
Hydric soil rating: No

Wink

Percent of map unit: 5 percent
Ecological site: R042XC003NM - Loamy Sand

Map Unit Description: Maljamar and Palomas fine sands, 0 to 3 percent slopes---Lea County,
New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

National Flood Hazard Layer FIRMette



103°46'8"W 32°48'4"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 103°45'31"W 32°47'33"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/30/2022 at 3:32 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Spur Energy Partners, LLC	OGRID	328947
Contact Name	Chad Hensley	Contact Telephone	(346) 339-1494
Contact email	chensley@spurenergy.com	Incident # (assigned by OCD)	NAPP2212936670
Contact mailing address	9655 Katy Freeway, Suite 500, Houston, TX 77024		

Location of Release Source

Latitude 32.7969343 Longitude -103.763427
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Maljamar Transfer Line	Site Type	N/A
Date Release Discovered	5/7/2022	API# (if applicable)	

Unit Letter	Section	Township	Range	County
A	33	17S	32E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 542	Volume Recovered (bbls) 460
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release


High Line Pressure

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Release was greater than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chad Hensley</u>	Title: <u>EHS Coordinator</u>
Signature: <u></u>	Date: <u>07/20/2022</u>
email: <u>chensley@spurenergy.com</u>	Telephone: <u>(346) 339-1494</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>124</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

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

Printed Name: Chad Hensley Title: HSE Coordinator

Signature: _____ Date: 7/31/2022

email: chensley@spurenergy.com Telephone: 314-290-8614

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2212936670
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Chad Hensley Title: HSE Coordinator

Signature: _____ Date: 7/31/2022

email: chensley@spurenergy.com Telephone: 314-290-8614

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

From: [Tom Bynum](#)
To: ["OCDOnline@state.nm.us"; "ocdonline, emnrd, EMNRD"](#)
Cc: ["gio@pimaoil.com"](#)
Subject: 48-Hour Notification - NAPP2212936670
Date: Wednesday, July 13, 2022 7:25:00 AM

Good Morning,

Pima Environmental would like to notify you that we will be collecting confirmation samples at the Maljamar Transfer Line for incident ID NAPP2212936670 . Pima personnel are scheduled to be on site for this sampling event at approximately 7:00 a.m. on Friday July 15, 2022. If you have any questions or concerns, please let me know. Thank you.

THANK YOU,

Tom Bynum

Project Manager

Cell – 580-748-1613

Office – 575-964-7740



Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

Photographic Documentation























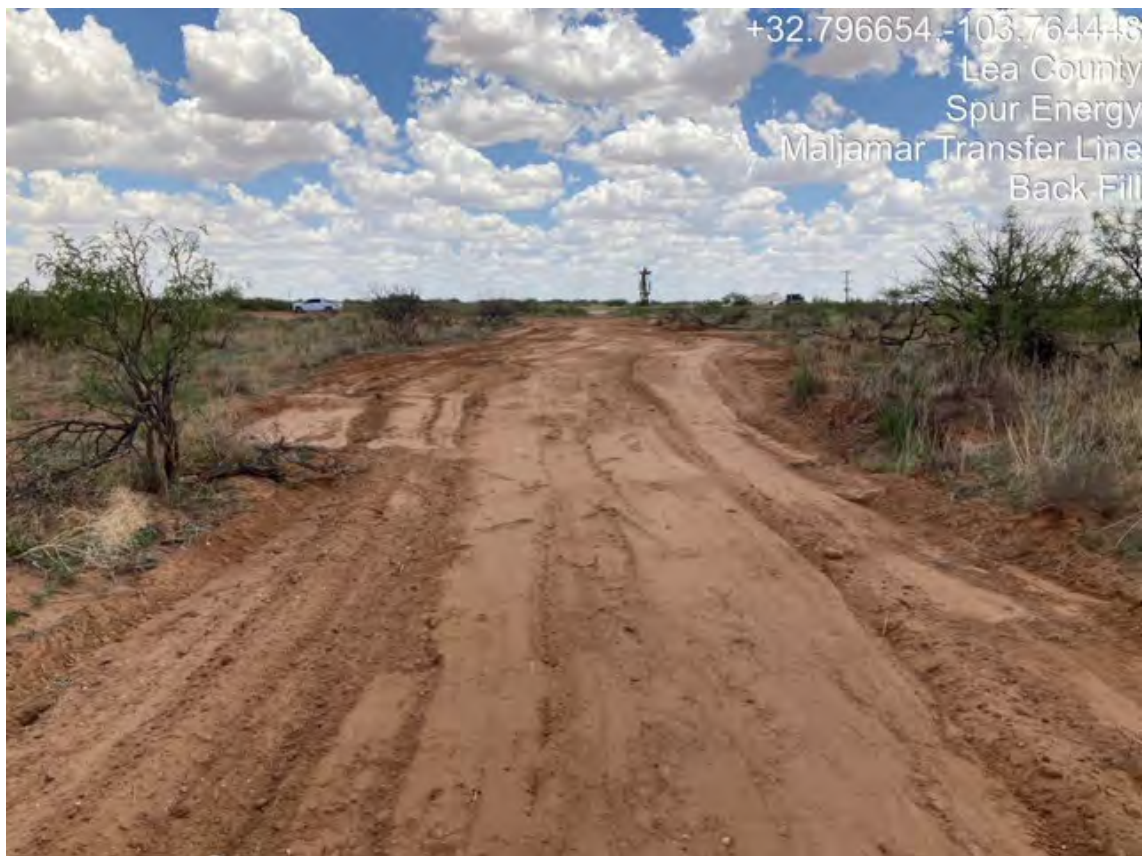












+32.796654,-103.764448
Lea County
Spur Energy
Maljamar Transfer Line
Back Fill



+32.796661,-103.763823
Lea County
Spur Energy
Maljamar Transfer Line
Back Fill



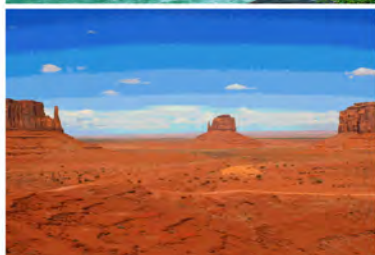


Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maljamar Flowline

Work Order: E205043

Job Number: 21068-0001

Received: 5/10/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/16/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/16/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Maljamar Flowline
Workorder: E205043
Date Received: 5/10/2022 10:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/10/2022 10:30:00AM, under the Project Name: Maljamar Flowline.

The analytical test results summarized in this report with the Project Name: Maljamar Flowline 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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported: 05/16/22 16:26
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S-1 - 0 - 6"	E205043-01A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-1 8'	E205043-02A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-2 0 - 6"	E205043-03A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-2 6'	E205043-04A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-3 0 - 6"	E205043-05A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-3 6'	E205043-06A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-4 0 - 6"	E205043-07A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
S-4 6'	E205043-08A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
BG-1	E205043-09A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
BG-2	E205043-10A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-1	E205043-11A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-2	E205043-12A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-3	E205043-13A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-4	E205043-14A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-5	E205043-15A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-6	E205043-16A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-7	E205043-17A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.
SW-8	E205043-18A	Soil	05/07/22	05/10/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maljamar Flowline Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 5/16/2022 4:26:01PM
---	---	---

S-1 - 0 - 6"

E205043-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	29.7	0.250	10	05/11/22	05/13/22	
Ethylbenzene	80.0	0.250	10	05/11/22	05/13/22	
Toluene	82.7	0.500	20	05/11/22	05/16/22	
o-Xylene	28.2	0.250	10	05/11/22	05/13/22	
p,m-Xylene	55.5	0.500	10	05/11/22	05/13/22	
Total Xylenes	83.7	0.250	10	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	103 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	104 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	1280	200	10	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	103 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	104 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	29400	2500	100	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	9760	5000	100	05/12/22	05/13/22	
Surrogate: n-Nonane	869 %	50-200		05/12/22	05/13/22	S6
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	10600	400	20	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-1 8'

E205043-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		98.9 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		98.9 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		115 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	81.0	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-2 0 - 6"

E205043-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	0.353	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	2.60	0.0250	1	05/11/22	05/13/22	
Toluene	2.51	0.0250	1	05/11/22	05/13/22	
o-Xylene	1.11	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	1.98	0.0500	1	05/11/22	05/13/22	
Total Xylenes	3.09	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		105 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	56.2	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		105 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	98.2	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		133 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	3330	40.0	2	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-2 6'

E205043-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		120 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	274	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-3 0 - 6"

E205043-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		102 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		103 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		102 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	351	50.0	2	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	183	100	2	05/12/22	05/13/22	
Surrogate: n-Nonane		106 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	5070	40.0	2	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-3 6'

E205043-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		105 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		99.9 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		105 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		99.9 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		113 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	420	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-4 0 - 6"

E205043-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	63.1	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		109 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	7600	200	10	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

S-4 6'

E205043-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		104 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		103 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		104 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		103 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	8520	500	20	05/12/22	05/16/22	
Oil Range Organics (C28-C36)	5320	1000	20	05/12/22	05/16/22	
Surrogate: n-Nonane		138 %	50-200	05/12/22	05/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	ND	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

BG-1

E205043-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	0.0600	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	0.0270	0.0250	1	05/11/22	05/13/22	
Toluene	0.0865	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		100 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		100 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		115 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	ND	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

BG-2

E205043-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	0.0320	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	0.0540	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		100 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		100 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/13/22	
Surrogate: n-Nonane		113 %	50-200	05/12/22	05/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	ND	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-1

E205043-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		102 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane		116 %	50-200	05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	275	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-2

E205043-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene		101 %	70-130	05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/11/22	05/13/22	
Surrogate: Toluene-d8		101 %	70-130	05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane		116 %	50-200	05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	275	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-3

E205043-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	101 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	101 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	113 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	22.1	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-4

E205043-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	102 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	102 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	113 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	101	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-5

E205043-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	99.4 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	99.4 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	111 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	96.3	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-6

E205043-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	98.3 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	98.3 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	108 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	23.0	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-7

E205043-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/13/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/13/22	
Toluene	ND	0.0250	1	05/11/22	05/13/22	
o-Xylene	ND	0.0250	1	05/11/22	05/13/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/13/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	99.4 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/13/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		05/11/22	05/13/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		05/11/22	05/13/22	
Surrogate: Toluene-d8	99.4 %	70-130		05/11/22	05/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	117 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	153	20.0	1	05/12/22	05/13/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/16/2022 4:26:01PM

SW-8

E205043-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Benzene	ND	0.0250	1	05/11/22	05/14/22	
Ethylbenzene	ND	0.0250	1	05/11/22	05/14/22	
Toluene	ND	0.0250	1	05/11/22	05/14/22	
o-Xylene	ND	0.0250	1	05/11/22	05/14/22	
p,m-Xylene	ND	0.0500	1	05/11/22	05/14/22	
Total Xylenes	ND	0.0250	1	05/11/22	05/14/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		05/11/22	05/14/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/11/22	05/14/22	
Surrogate: Toluene-d8	99.0 %	70-130		05/11/22	05/14/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2220031
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/11/22	05/14/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		05/11/22	05/14/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		05/11/22	05/14/22	
Surrogate: Toluene-d8	99.0 %	70-130		05/11/22	05/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: AK		Batch: 2220037
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/22	05/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/22	05/14/22	
Surrogate: n-Nonane	113 %	50-200		05/12/22	05/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2220043
Chloride	135	20.0	1	05/12/22	05/13/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/16/2022 4:26:01PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220031-BLK1)

Prepared: 05/11/22 Analyzed: 05/13/22

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	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

LCS (2220031-BS1)

Prepared: 05/11/22 Analyzed: 05/13/22

Benzene	2.19	0.0250	2.50		87.6	70-130			
Ethylbenzene	2.25	0.0250	2.50		90.1	70-130			
Toluene	2.18	0.0250	2.50		87.0	70-130			
o-Xylene	2.28	0.0250	2.50		91.1	70-130			
p,m-Xylene	4.52	0.0500	5.00		90.4	70-130			
Total Xylenes	6.80	0.0250	7.50		90.6	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.505		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

Matrix Spike (2220031-MS1)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Benzene	2.24	0.0250	2.50	ND	89.5	48-131			
Ethylbenzene	2.32	0.0250	2.50	ND	92.8	45-135			
Toluene	2.24	0.0250	2.50	ND	89.7	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.3	43-135			
p,m-Xylene	4.64	0.0500	5.00	ND	92.7	43-135			
Total Xylenes	6.99	0.0250	7.50	ND	93.2	43-135			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike Dup (2220031-MSD1)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Benzene	2.29	0.0250	2.50	ND	91.6	48-131	2.30	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.5	45-135	4.90	27	
Toluene	2.37	0.0250	2.50	ND	94.6	48-130	5.32	24	
o-Xylene	2.49	0.0250	2.50	ND	99.5	43-135	5.35	27	
p,m-Xylene	4.87	0.0500	5.00	ND	97.5	43-135	5.02	27	
Total Xylenes	7.36	0.0250	7.50	ND	98.1	43-135	5.13	27	
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/16/2022 4:26:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220031-BLK1)

Prepared: 05/11/22 Analyzed: 05/13/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

LCS (2220031-BS2)

Prepared: 05/11/22 Analyzed: 05/13/22

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.514		0.500		103	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2220031-MS2)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Gasoline Range Organics (C6-C10)	52.0	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike Dup (2220031-MSD2)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Gasoline Range Organics (C6-C10)	55.7	20.0	50.0	ND	111	70-130	6.77	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/16/2022 4:26:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220037-BLK1)

Prepared: 05/11/22 Analyzed: 05/13/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.7		50.0		101	50-200			

LCS (2220037-BS1)

Prepared: 05/11/22 Analyzed: 05/13/22

Diesel Range Organics (C10-C28)	434	25.0	500		86.9	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike (2220037-MS1)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Diesel Range Organics (C10-C28)	469	25.0	500	ND	93.8	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

Matrix Spike Dup (2220037-MSD1)

Source: E205043-04

Prepared: 05/11/22 Analyzed: 05/13/22

Diesel Range Organics (C10-C28)	468	25.0	500	ND	93.7	38-132	0.115	20	
Surrogate: n-Nonane	58.7		50.0		117	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/16/2022 4:26:01PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2220043-BLK1)

Prepared: 05/12/22 Analyzed: 05/13/22

Chloride ND 20.0

LCS (2220043-BS1)

Prepared: 05/12/22 Analyzed: 05/13/22

Chloride 248 20.0 250 99.3 90-110

Matrix Spike (2220043-MS1)

Source: E205043-02

Prepared: 05/12/22 Analyzed: 05/13/22

Chloride 334 20.0 250 81.0 101 80-120

Matrix Spike Dup (2220043-MSD1)

Source: E205043-02

Prepared: 05/12/22 Analyzed: 05/13/22

Chloride 349 20.0 250 81.0 107 80-120 4.31 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/16/22 16:26

- S6 Surrogate was diluted out due to high concentrations of target and/or non-target analytes and does not provide useful information. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 2

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>MUJAMAR Flowline</u>					Attention: <u>SPUR</u>		Lab WO# <u>E205043</u>		Job Number <u>210080001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip										State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>6-68</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks										
	5-7-22	S	1	S-1 - 0-6"	1											
				S-1 8'	2											
				S-2 0-6"	3											
				S-2 6'	4											
				S-3 0-6"	5											
				S-3 6'	6											
				S-4 0-6"	7											
				S-4 6'	8											
				BG-1	9											
				BG-2	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: Edy Alvarez

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

Relinquished by: (Signature) <u>Neel Pappas</u>	Date <u>5/9/22</u>	Time <u>1:35P</u>	Received by: (Signature) <u>Edy Alvarez</u>	Date <u>5/9-22</u>	Time <u>1:35P</u>	Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Regina Monard</u>	Date <u>5-7-22</u>	Time <u>1610</u>	Received by: (Signature) <u>Edy Alvarez</u>	Date <u>5/10/22</u>	Time <u>1030</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Project Information

Chain of Custody

Page 2 of 2

Client: Pima Environmental Services Project: <u>MALSAMAR Pipeline</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>SPUR</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>6-68</u>					Lab Use Only Lab WO# <u>E20504B</u> Job Number <u>21008-0001</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX	Remarks				
	5-7-22	SOIL	1	SW-1	11															
				SW-2	12															
				SW-3	13															
				SW-4	14															
				SW-5	15															
				SW-6	16															
				SW-7	17															
				SW-8	18															
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.																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5/9/22</u> Time <u>1:35P</u> Received by: (Signature) <u>[Signature]</u> Date <u>5-9-22</u> Time <u>13:35</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-9-22</u> Time <u>1:10</u> Received by: (Signature) <u>[Signature]</u> Date <u>5/10/22</u> Time <u>1030</u>																				
Relinquished by: (Signature) <u>[Signature]</u> Date <u>5-9-22</u> Time <u>1:10</u> Received by: (Signature) <u>[Signature]</u> Date <u>5/10/22</u> Time <u>1030</u>																				
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other _____ Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 5/10/2022 1:11:21PM

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:	Pima Environmental Services-Carlsbad	Date Received:	05/10/22 10:30	Work Order ID:	E205043
Phone:	(575) 631-6977	Date Logged In:	05/10/22 09:00	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	05/16/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Time sampled not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

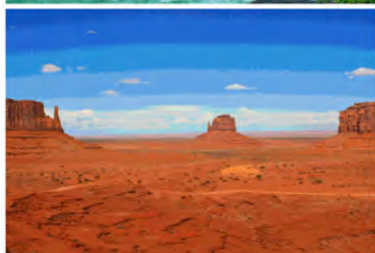
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maljamar Flowline

Work Order: E205100

Job Number: 21068-0001

Received: 5/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/26/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 5/26/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Maljamar Flowline
Workorder: E205100
Date Received: 5/20/2022 1:29:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2022 1:29:00PM, under the Project Name: Maljamar Flowline.

The analytical test results summarized in this report with the Project Name: Maljamar Flowline 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
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Office: 505-632-1881
labadmin@envirotech-inc.com

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ljjarboe@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/22 16:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-4'	E205100-01A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.
S2-4'	E205100-02A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.
S3-4'	E205100-03A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.
S4-4'	E205100-04A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.
S4-8'	E205100-05A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.
S2-8'	E205100-06A	Soil	05/17/22	05/20/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maljamar Flowline Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 5/26/2022 4:09:27PM
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S1-4'

E205100-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2222002	
Benzene	13.1	0.250	10	05/23/22	05/24/22	
Ethylbenzene	43.9	0.250	10	05/23/22	05/24/22	
Toluene	54.8	0.250	10	05/23/22	05/24/22	
o-Xylene	16.6	0.250	10	05/23/22	05/24/22	
p,m-Xylene	33.3	0.500	10	05/23/22	05/24/22	
Total Xylenes	49.9	0.250	10	05/23/22	05/24/22	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2222002	
Gasoline Range Organics (C6-C10)	808	200	10	05/23/22	05/24/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2222070	
Diesel Range Organics (C10-C28)	10100	250	10	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	3430	500	10	05/26/22	05/26/22	
Surrogate: n-Nonane	228 %	50-200		05/26/22	05/26/22	SS
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2222003	
Chloride	9330	400	20	05/23/22	05/23/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/26/2022 4:09:27PM

S2-4'

E205100-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Benzene	ND	0.0250	1	05/23/22	05/24/22	
Ethylbenzene	ND	0.0250	1	05/23/22	05/24/22	
Toluene	ND	0.0250	1	05/23/22	05/24/22	
o-Xylene	ND	0.0250	1	05/23/22	05/24/22	
p,m-Xylene	ND	0.0500	1	05/23/22	05/24/22	
Total Xylenes	ND	0.0250	1	05/23/22	05/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/22	05/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.2 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2222070
Diesel Range Organics (C10-C28)	48.1	25.0	1	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/22	05/26/22	
<i>Surrogate: n-Nonane</i>						
		95.3 %	50-200	05/26/22	05/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2222003
Chloride	11100	400	20	05/23/22	05/23/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/26/2022 4:09:27PM

S3-4'

E205100-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Benzene	ND	0.0250	1	05/23/22	05/24/22	
Ethylbenzene	ND	0.0250	1	05/23/22	05/24/22	
Toluene	ND	0.0250	1	05/23/22	05/24/22	
o-Xylene	ND	0.0250	1	05/23/22	05/24/22	
p,m-Xylene	ND	0.0500	1	05/23/22	05/24/22	
Total Xylenes	ND	0.0250	1	05/23/22	05/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/22	05/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2222070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/22	05/26/22	
<i>Surrogate: n-Nonane</i>						
		95.7 %	50-200	05/26/22	05/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2222003
Chloride	7240	200	10	05/23/22	05/23/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/26/2022 4:09:27PM

S4-4'

E205100-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Benzene	ND	0.0250	1	05/23/22	05/24/22	
Ethylbenzene	ND	0.0250	1	05/23/22	05/24/22	
Toluene	ND	0.0250	1	05/23/22	05/24/22	
o-Xylene	ND	0.0250	1	05/23/22	05/24/22	
p,m-Xylene	ND	0.0500	1	05/23/22	05/24/22	
Total Xylenes	ND	0.0250	1	05/23/22	05/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/22	05/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.4 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2222070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/22	05/26/22	
<i>Surrogate: n-Nonane</i>						
		99.7 %	50-200	05/26/22	05/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2222003
Chloride	12100	400	20	05/23/22	05/23/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/26/2022 4:09:27PM

S4-8'

E205100-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Benzene	0.0266	0.0250	1	05/23/22	05/24/22	
Ethylbenzene	ND	0.0250	1	05/23/22	05/24/22	
Toluene	0.0292	0.0250	1	05/23/22	05/24/22	
o-Xylene	ND	0.0250	1	05/23/22	05/24/22	
p,m-Xylene	ND	0.0500	1	05/23/22	05/24/22	
Total Xylenes	ND	0.0250	1	05/23/22	05/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/22	05/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.6 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2222070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/22	05/26/22	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	05/26/22	05/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2222003
Chloride	ND	20.0	1	05/23/22	05/23/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Flowline
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
5/26/2022 4:09:27PM

S2-8'

E205100-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Benzene	ND	0.0250	1	05/23/22	05/24/22	
Ethylbenzene	ND	0.0250	1	05/23/22	05/24/22	
Toluene	ND	0.0250	1	05/23/22	05/24/22	
o-Xylene	ND	0.0250	1	05/23/22	05/24/22	
p,m-Xylene	ND	0.0500	1	05/23/22	05/24/22	
Total Xylenes	ND	0.0250	1	05/23/22	05/24/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2222002
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/22	05/24/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	05/23/22	05/24/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2222070
Diesel Range Organics (C10-C28)	ND	25.0	1	05/26/22	05/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	05/26/22	05/26/22	
<i>Surrogate: n-Nonane</i>						
		97.5 %	50-200	05/26/22	05/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2222003
Chloride	ND	20.0	1	05/23/22	05/23/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2022 4:09:27PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2222002-BLK1)

Prepared: 05/23/22 Analyzed: 05/23/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130			

LCS (2222002-BS1)

Prepared: 05/23/22 Analyzed: 05/24/22

Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	4.65	0.0250	5.00		93.0	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.84	0.0250	5.00		96.9	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
Total Xylenes	14.4	0.0250	15.0		96.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

LCS Dup (2222002-BSD1)

Prepared: 05/23/22 Analyzed: 05/24/22

Benzene	5.20	0.0250	5.00		104	70-130	0.661	20	
Ethylbenzene	4.72	0.0250	5.00		94.3	70-130	1.39	20	
Toluene	4.98	0.0250	5.00		99.6	70-130	0.793	20	
o-Xylene	4.90	0.0250	5.00		98.0	70-130	1.15	20	
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130	1.42	20	
Total Xylenes	14.6	0.0250	15.0		97.4	70-130	1.33	20	
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2022 4:09:27PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2222002-BLK1)

Prepared: 05/23/22 Analyzed: 05/23/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

LCS (2222002-BS2)

Prepared: 05/23/22 Analyzed: 05/24/22

Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.4	70-130			

LCS Dup (2222002-BSD2)

Prepared: 05/23/22 Analyzed: 05/24/22

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	9.49	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2022 4:09:27PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2222070-BLK1)

Prepared: 05/26/22 Analyzed: 05/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

LCS (2222070-BS1)

Prepared: 05/26/22 Analyzed: 05/26/22

Diesel Range Organics (C10-C28)	443	25.0	500		88.6	38-132			
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			

Matrix Spike (2222070-MS1)

Source: E205100-03

Prepared: 05/26/22 Analyzed: 05/26/22

Diesel Range Organics (C10-C28)	446	25.0	500	ND	89.2	38-132			
Surrogate: n-Nonane	46.4		50.0		92.7	50-200			

Matrix Spike Dup (2222070-MSD1)

Source: E205100-03

Prepared: 05/26/22 Analyzed: 05/26/22

Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132	4.39	20	
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/26/2022 4:09:27PM

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
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Blank (2222003-BLK1)

Prepared: 05/23/22 Analyzed: 05/23/22

Chloride ND 20.0

LCS (2222003-BS1)

Prepared: 05/23/22 Analyzed: 05/23/22

Chloride 249 20.0 250 99.6 90-110

Matrix Spike (2222003-MS1)

Source: E205107-01

Prepared: 05/23/22 Analyzed: 05/23/22

Chloride 246 20.0 250 ND 98.4 80-120

Matrix Spike Dup (2222003-MSD1)

Source: E205107-01

Prepared: 05/23/22 Analyzed: 05/23/22

Chloride 248 20.0 250 ND 99.2 80-120 0.792 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Flowline	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/26/22 16:09

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Maljamar Flowline</u>		Attention: <u>Spur Energy</u>		Lab WO# <u>E205100</u>		Job Number <u>210080001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Tom Bynum</u>		Address:		Analysis and Method									
Address: <u>5614 N. Lovington Hwy.</u>		City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip <u>Hobbs, NM, 88240</u>		Phone:										Chloride 300.0	
Phone: <u>580-748-1613</u>		Email:										BGDOC NM	
Email: <u>tom@pimaoil.com</u>		Pima Project # <u>6-68</u>										BGDOC TX	
Report due by:												State	
												NM CO UT AZ TX	
												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:00	5/17/22	Soil	1	S1-4'	1							X		
9:05				S2-4'	2									
9:10				S3-4'	3									
9:15				S4-4'	4									
9:20				S4-8'	5									
9:25				S2-8'	6									

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: Josh Dougless

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

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5/19/22</u>	Time <u>3:09pm</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5-19-22</u>	Time <u>3:09p</u>	Lab Use Only
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>5-20-22</u>	Time <u>13:27</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/20/22</u>	Time <u>13:29</u>	Received on ice: <u>(Y) N</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

 **envirotech**

Envirotech Analytical Laboratory

Printed: 5/20/2022 2:31:24PM

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:	Pima Environmental Services-Carlsbad	Date Received:	05/20/22 13:29	Work Order ID:	E205100
Phone:	(575) 631-6977	Date Logged In:	05/20/22 12:47	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	05/26/22 17:00 (4 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: Transporter**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maljamar Transfer Line

Work Order: E207142

Job Number: 21068-0001

Received: 7/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/27/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/27/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Maljamar Transfer Line
Workorder: E207142
Date Received: 7/20/2022 10:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2022 10:15:00AM, under the Project Name: Maljamar Transfer Line.

The analytical test results summarized in this report with the Project Name: Maljamar Transfer Line 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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported: 07/27/22 17:27
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CSW.1	E207142-01A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.2	E207142-02A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.3	E207142-03A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.4	E207142-04A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.5	E207142-05A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.6	E207142-06A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.7	E207142-07A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.8	E207142-08A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.9	E207142-09A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.10	E207142-10A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.11	E207142-11A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.12	E207142-12A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.13	E207142-13A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.14	E207142-14A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CSW.15	E207142-15A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.1 B	E207142-16A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.2 B	E207142-17A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.3 B	E207142-18A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.4 B	E207142-19A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.5 B	E207142-20A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Maljamar Transfer Line Project Number: 21068-0001 Project Manager: Tom Bynum	Reported: 7/27/2022 5:27:45PM
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CSW.1

E207142-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	93.9 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.2

E207142-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	89.6 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	89.6 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	92.2 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.3

E207142-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.2 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.2 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	93.6 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.4

E207142-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	101 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	101 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	87.6 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.5

E207142-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	93.5 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	90.7 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	93.5 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	90.7 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	85.6 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.6

E207142-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.6 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	93.6 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	87.7 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.7

E207142-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	93.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.1 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	93.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.1 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	82.2 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.8

E207142-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.8 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.8 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	101 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.9

E207142-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.7 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	91.7 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	99.1 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.10

E207142-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/26/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/26/22	
Surrogate: n-Nonane	108 %	50-200		07/26/22	07/26/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.11

E207142-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	96.8 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.12

E207142-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	106 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	106 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	101 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.13

E207142-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/22	07/26/22	
Surrogate: Toluene-d8		106 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/22/22	07/26/22	
Surrogate: Toluene-d8		106 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane		86.3 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.14

E207142-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/22/22	07/26/22	
Surrogate: Toluene-d8		106 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene		101 %	70-130	07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/22/22	07/26/22	
Surrogate: Toluene-d8		106 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane		87.4 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CSW.15

E207142-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	105 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	105 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	81.1 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CS.1 B

E207142-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	105 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	105 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	85.7 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CS.2 B

E207142-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	84.9 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CS.3 B

E207142-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	107 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	107 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	83.7 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CS.4 B

E207142-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	106 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	106 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	79.3 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:27:45PM

CS.5 B

E207142-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230101
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		07/22/22	07/26/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		07/22/22	07/26/22	
Surrogate: Toluene-d8	104 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231028
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	106 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231017
Chloride	ND	20.0	1	07/25/22	07/26/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:27:45PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2230101-BLK1)

Prepared: 07/22/22 Analyzed: 07/26/22

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	0.567		0.500		113	70-130			
Surrogate: Toluene-d8	0.458		0.500		91.6	70-130			

LCS (2230101-BS1)

Prepared: 07/22/22 Analyzed: 07/26/22

Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.56	0.0250	2.50		102	70-130			
Toluene	2.54	0.0250	2.50		101	70-130			
o-Xylene	2.74	0.0250	2.50		109	70-130			
p,m-Xylene	5.29	0.0500	5.00		106	70-130			
Total Xylenes	8.03	0.0250	7.50		107	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.526		0.500		105	70-130			
Surrogate: Toluene-d8	0.477		0.500		95.3	70-130			

LCS Dup (2230101-BSD1)

Prepared: 07/22/22 Analyzed: 07/26/22

Benzene	2.47	0.0250	2.50		99.0	70-130	7.25	23	
Ethylbenzene	2.47	0.0250	2.50		98.8	70-130	3.44	27	
Toluene	2.46	0.0250	2.50		98.2	70-130	3.26	24	
o-Xylene	2.64	0.0250	2.50		106	70-130	3.53	27	
p,m-Xylene	5.10	0.0500	5.00		102	70-130	3.69	27	
Total Xylenes	7.74	0.0250	7.50		103	70-130	3.64	27	
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.477		0.500		95.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:27:45PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230101-BLK1)

Prepared: 07/22/22 Analyzed: 07/26/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.567		0.500		113	70-130			
Surrogate: Toluene-d8	0.458		0.500		91.6	70-130			

LCS (2230101-BS2)

Prepared: 07/22/22 Analyzed: 07/26/22

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0		100	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS Dup (2230101-BSD2)

Prepared: 07/22/22 Analyzed: 07/26/22

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.4	70-130	19.8	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:27:45PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2231028-BLK1)

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.6		50.0		89.1	50-200			

LCS (2231028-BS1)

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	220	25.0	250		87.8	38-132			
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

Matrix Spike (2231028-MS1)

Source: E207142-16

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.6	38-132			
Surrogate: n-Nonane	47.6		50.0		95.3	50-200			

Matrix Spike Dup (2231028-MSD1)

Source: E207142-16

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.5	38-132	2.09	20	
Surrogate: n-Nonane	44.5		50.0		89.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:27:45PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2231017-BLK1)					Prepared: 07/25/22 Analyzed: 07/26/22				
Chloride	ND	20.0							
LCS (2231017-BS1)					Prepared: 07/25/22 Analyzed: 07/26/22				
Chloride	239	20.0	250		95.6	90-110			
Matrix Spike (2231017-MS1)					Source: E207142-01		Prepared: 07/25/22 Analyzed: 07/26/22		
Chloride	244	20.0	250	ND	97.4	80-120			
Matrix Spike Dup (2231017-MSD1)					Source: E207142-01		Prepared: 07/25/22 Analyzed: 07/26/22		
Chloride	243	20.0	250	ND	97.3	80-120	0.0863	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/27/22 17:27

- 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.

Chain of Custody



Project Information

Chain of Custody

Page 2 of 7

Client: Pima Environmental Services Project: <u>Maljamar Transfer Line</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Spur</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>6-6B</u>					Lab Use Only Lab WO# <u>E207142</u> Job Number <u>21068-0001</u> Analysis and Method DRO by 8015 GRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO by 8015	GRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:50	7/18/22	S		CSW.11	11							X								
8:55				CSW.12	12															
9:00				CSW.13	13															
9:05				CSW.14	14															
9:10				CSW.15	15															
9:15				CS.1 B	16															
9:20				CS.2 B	17															
9:25				CS.3 B	18															
9:30				CS.4 B	19															
9:35				CS.5 B	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.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: <u>Y</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other _____ Container Type <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Envirotech Analytical Laboratory

Printed: 7/22/2022 12:51:34PM

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:	Pima Environmental Services-Carlsbad	Date Received:	07/20/22 10:15	Work Order ID:	E207142
Phone:	(575) 631-6977	Date Logged In:	07/21/22 12:10	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/26/22 17:00 (4 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: UPSComments/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

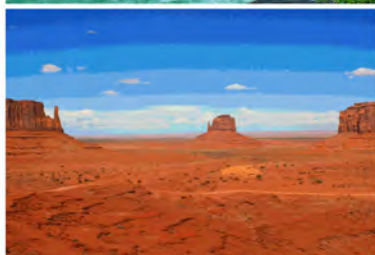
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maljamar Transfer Line

Work Order: E207143

Job Number: 21068-0001

Received: 7/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/27/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 7/27/22

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Maljamar Transfer Line
Workorder: E207143
Date Received: 7/20/2022 10:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2022 10:15:00AM, under the Project Name: Maljamar Transfer Line.

The analytical test results summarized in this report with the Project Name: Maljamar Transfer Line 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/27/22 17:59

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS.6 B	E207143-01A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.7 B	E207143-02A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.8 B	E207143-03A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.9 B	E207143-04A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.10 B	E207143-05A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.11 B	E207143-06A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.12 B	E207143-07A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.13 B	E207143-08A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.14 B	E207143-09A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.15 B	E207143-10A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.16 B	E207143-11A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.17 B	E207143-12A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.18 B	E207143-13A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.19 B	E207143-14A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.20 B	E207143-15A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.21 B	E207143-16A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.22 B	E207143-17A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.23 B	E207143-18A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.24 B	E207143-19A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.25 B	E207143-20A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.6 B

E207143-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2230102	
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2230102	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231029	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231018	
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.7 B

E207143-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		99.4 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.8 B

E207143-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.9 B

E207143-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.10 B

E207143-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.11 B

E207143-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.12 B

E207143-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.13 B

E207143-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.14 B

E207143-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	89.1 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
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CS.15 B

E207143-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	88.2 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
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CS.16 B

E207143-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	89.3 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.17 B

E207143-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	80.2 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
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CS.18 B

E207143-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	87.3 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.19 B

E207143-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	88.9 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.20 B

E207143-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.21 B

E207143-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	88.6 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.22 B

E207143-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	86.9 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.23 B

E207143-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	90.7 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.24 B

E207143-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
Surrogate: n-Nonane	91.8 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/27/2022 5:59:23PM

CS.25 B

E207143-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230102
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231029
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	90.7 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231018
Chloride	ND	20.0	1	07/25/22	07/26/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:59:23PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230102-BLK1)

Prepared: 07/22/22 Analyzed: 07/27/22

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	8.00		8.00		100	70-130			

LCS (2230102-BS1)

Prepared: 07/22/22 Analyzed: 07/27/22

Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.15	0.0250	5.00		83.0	70-130			
Toluene	4.48	0.0250	5.00		89.7	70-130			
o-Xylene	4.45	0.0250	5.00		88.9	70-130			
p,m-Xylene	8.59	0.0500	10.0		85.9	70-130			
Total Xylenes	13.0	0.0250	15.0		86.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			

LCS Dup (2230102-BS1)

Prepared: 07/22/22 Analyzed: 07/27/22

Benzene	4.81	0.0250	5.00		96.3	70-130	0.938	20	
Ethylbenzene	4.18	0.0250	5.00		83.7	70-130	0.859	20	
Toluene	4.53	0.0250	5.00		90.6	70-130	1.01	20	
o-Xylene	4.50	0.0250	5.00		89.9	70-130	1.13	20	
p,m-Xylene	8.65	0.0500	10.0		86.5	70-130	0.790	20	
Total Xylenes	13.2	0.0250	15.0		87.7	70-130	0.907	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:59:23PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230102-BLK1)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			

LCS (2230102-BS2)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			

LCS Dup (2230102-BSD2)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130	0.0916	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:59:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231029-BLK1)

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	50-200			

LCS (2231029-BS1)

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

Matrix Spike (2231029-MS1)

Source: E207143-07

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			

Matrix Spike Dup (2231029-MSD1)

Source: E207143-07

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132	0.730	20	
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/27/2022 5:59:23PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231018-BLK1)

Prepared: 07/25/22 Analyzed: 07/26/22

Chloride ND 20.0

LCS (2231018-BS1)

Prepared: 07/25/22 Analyzed: 07/26/22

Chloride 243 20.0 250 97.1 90-110

Matrix Spike (2231018-MS1)

Source: E207143-01

Prepared: 07/25/22 Analyzed: 07/26/22

Chloride 246 20.0 250 ND 98.4 80-120

Matrix Spike Dup (2231018-MSD1)

Source: E207143-01

Prepared: 07/25/22 Analyzed: 07/26/22

Chloride 246 20.0 250 ND 98.5 80-120 0.0934 20

QC Summary Report Comment:

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/27/22 17:59

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 3 of 7

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Maljamar Transfer Line</u>					Attention: <u>Spur</u>		Lab WO# <u>E201143</u>		Job Number <u>210618-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip										State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
Phone: 580-748-1613					Email:		Chloride 300.0				BGDOC NM		BGDOC TX		TX	
Email: tom@pimaoil.com					Pima Project # <u>6-68</u>										Remarks	
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
9:40	7/18/22	S		CS. 6 B	1											
9:45				CS. 7 B	2											
9:50				CS. 8 B	3											
9:55				CS. 9 B	4											
10:00				CS. 10 B	5											
10:05				CS. 11 B	6											
10:10				CS. 12 B	7											
10:15				CS. 13 B	8											
10:20				CS. 14 B	9											
10:25				CS. 15 B	10											
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Alfonso Sandoval</u>		7/19/22	3:15	<u>Ned Rogers</u>		7-19-22	3:15	Received on ice: <u>(Y)</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>[Signature]</u>		7-19-22	4:15	<u>[Signature]</u>		7/20/22	10:15	AVG Temp °C <u>4</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time									
<u>[Signature]</u>				<u>[Signature]</u>												
Sample Matrix <u>(S)</u> - Soil, <u>(Sd)</u> - Solid, <u>(Sg)</u> - Sludge, <u>(A)</u> - Aqueous, <u>(O)</u> - Other																
Container Type <u>(G)</u> - glass, <u>(P)</u> - poly/plastic, <u>(ag)</u> - amber glass, <u>(v)</u> - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

Project Information

Chain of Custody

Page 4 of 7

Client: Pima Environmental Services Project: <u>Maljamar Transfer Line</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Spur</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>6-68</u>					Lab Use Only Lab WO# <u>E207143</u> Job Number <u>21068-001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X				Remarks						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
10:30	7/18/22	S		CS. 16 B	11							X								
10:35				CS. 17 B	12															
10:40				CS. 18 B	13															
10:45				CS. 19 B	14															
10:50				CS. 20 B	15															
10:55				CS. 21 B	16															
11:00				CS. 22 B	17															
11:05				CS. 23 B	18															
11:10				CS. 24 B	19															
11:15				CS. 25 B	20															
Additional Instructions: I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. <u>Sampled by: Ned Rogers</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 subsequent days.																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 T2 T3 AVG Temp °C <u>4</u>												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
Sample Matrix: <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 7/22/2022 12:54:45PM

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:	Pima Environmental Services-Carlsbad	Date Received:	07/20/22 10:15	Work Order ID:	E207143
Phone:	(575) 631-6977	Date Logged In:	07/21/22 12:12	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/26/22 17:00 (4 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: UPSComments/Resolution

Project has been separated into 3 reports due to amount of samples. Workorders are as follows:
E207142 COC pg 1&2 of 7, E207143 COC pg 3&4 of 7, E207144 COC pg 5,6&7 of 7.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

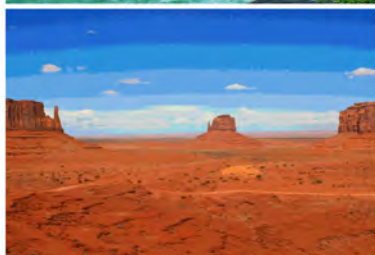
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Maljamar Transfer Line

Work Order: E207144

Job Number: 21068-0001

Received: 7/20/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
7/28/22

5796 U.S. Hwy 64
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Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
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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)

Date Reported: 7/28/22



Tom Bynum
PO Box 247
Plains, TX 79355-0247

Project Name: Maljamar Transfer Line
Workorder: E207144
Date Received: 7/20/2022 10:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/20/2022 10:15:00AM, under the Project Name: Maljamar Transfer Line.

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

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

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

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

Respectfully,

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported: 07/28/22 12:49
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS.26 B	E207144-01A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.27 B	E207144-02A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.28 B	E207144-03A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.29 B	E207144-04A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.30 B	E207144-05A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.31 B	E207144-06A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.32 B	E207144-07A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.33 B	E207144-08A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.34 B	E207144-09A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.35 B	E207144-10A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.36 B	E207144-11A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.37 B	E207144-12A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.38 B	E207144-13A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.39 B	E207144-14A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.40 B	E207144-15A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.41 B	E207144-16A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.42 B	E207144-17A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.43 B	E207144-18A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.44 B	E207144-19A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.45 B	E207144-20A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.BG1	E207144-21A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.
CS.BG2	E207144-22A	Soil	07/18/22	07/20/22	Glass Jar, 4 oz.



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.26 B

E207144-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2230103	
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		123 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2230103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2231030	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2231019	
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.27 B

E207144-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		119 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		92.4 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.28 B

E207144-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		95.2 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.29 B

E207144-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2230103	
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		117 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2230103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		106 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2231030	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2231019	
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.30 B

E207144-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		107 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		110 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.31 B

E207144-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/26/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/26/22	
Toluene	ND	0.0250	1	07/22/22	07/26/22	
o-Xylene	ND	0.0250	1	07/22/22	07/26/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/26/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/26/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		114 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/26/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		105 %	70-130	07/22/22	07/26/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.32 B

E207144-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		106 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.33 B

E207144-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		109 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		109 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.34 B

E207144-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		110 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.35 B

E207144-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		115 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		92.3 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.36 B

E207144-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		112 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		93.8 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.37 B

E207144-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		116 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		114 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		90.4 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.38 B

E207144-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	89.4 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.39 B

E207144-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.40 B

E207144-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.41 B

E207144-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	90.4 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.42 B

E207144-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.43 B

E207144-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	91.4 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.44 B

E207144-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		89.8 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.45 B

E207144-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Benzene	ND	0.0250	1	07/22/22	07/27/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/27/22	
Toluene	ND	0.0250	1	07/22/22	07/27/22	
o-Xylene	ND	0.0250	1	07/22/22	07/27/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/27/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230103
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.2 %	70-130	07/22/22	07/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231030
Diesel Range Organics (C10-C28)	ND	50.0	2	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	100	2	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
		88.7 %	50-200	07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2231019
Chloride	ND	20.0	1	07/25/22	07/26/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
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CS.BG1

E207144-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230100
Benzene	ND	0.0250	1	07/22/22	07/25/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/25/22	
Toluene	ND	0.0250	1	07/22/22	07/25/22	
o-Xylene	ND	0.0250	1	07/22/22	07/25/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/25/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		07/22/22	07/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230100
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		07/22/22	07/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231027
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	87.4 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231016
Chloride	ND	20.0	1	07/25/22	07/25/22	



Sample Data

Pima Environmental Services-Carlsbad
PO Box 247
Plains TX, 79355-0247

Project Name: Maljamar Transfer Line
Project Number: 21068-0001
Project Manager: Tom Bynum

Reported:
7/28/2022 12:49:06PM

CS.BG2

E207144-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230100
Benzene	ND	0.0250	1	07/22/22	07/25/22	
Ethylbenzene	ND	0.0250	1	07/22/22	07/25/22	
Toluene	ND	0.0250	1	07/22/22	07/25/22	
o-Xylene	ND	0.0250	1	07/22/22	07/25/22	
p,m-Xylene	ND	0.0500	1	07/22/22	07/25/22	
Total Xylenes	ND	0.0250	1	07/22/22	07/25/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		07/22/22	07/25/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2230100
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/22/22	07/25/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		07/22/22	07/25/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2231027
Diesel Range Organics (C10-C28)	ND	25.0	1	07/26/22	07/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/26/22	07/27/22	
<i>Surrogate: n-Nonane</i>						
	95.3 %	50-200		07/26/22	07/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2231016
Chloride	ND	20.0	1	07/25/22	07/25/22	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230100-BLK1)

Prepared: 07/22/22 Analyzed: 07/25/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.9	70-130			

LCS (2230100-BS1)

Prepared: 07/22/22 Analyzed: 07/25/22

Benzene	4.53	0.0250	5.00		90.5	70-130			
Ethylbenzene	3.93	0.0250	5.00		78.7	70-130			
Toluene	4.25	0.0250	5.00		85.0	70-130			
o-Xylene	4.23	0.0250	5.00		84.6	70-130			
p,m-Xylene	8.14	0.0500	10.0		81.4	70-130			
Total Xylenes	12.4	0.0250	15.0		82.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

LCS Dup (2230100-BSD1)

Prepared: 07/22/22 Analyzed: 07/25/22

Benzene	4.82	0.0250	5.00		96.4	70-130	6.34	20	
Ethylbenzene	4.19	0.0250	5.00		83.8	70-130	6.27	20	
Toluene	4.53	0.0250	5.00		90.6	70-130	6.35	20	
o-Xylene	4.50	0.0250	5.00		89.9	70-130	6.16	20	
p,m-Xylene	8.66	0.0500	10.0		86.6	70-130	6.19	20	
Total Xylenes	13.2	0.0250	15.0		87.7	70-130	6.18	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230103-BLK1)

Prepared: 07/22/22 Analyzed: 07/27/22

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	9.32		8.00		117	70-130			

LCS (2230103-BS1)

Prepared: 07/22/22 Analyzed: 07/27/22

Benzene	4.44	0.0250	5.00		88.8	70-130			
Ethylbenzene	4.40	0.0250	5.00		88.1	70-130			
Toluene	4.48	0.0250	5.00		89.6	70-130			
o-Xylene	4.56	0.0250	5.00		91.1	70-130			
p,m-Xylene	8.94	0.0500	10.0		89.4	70-130			
Total Xylenes	13.5	0.0250	15.0		90.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.48		8.00		119	70-130			

LCS Dup (2230103-BS1)

Prepared: 07/22/22 Analyzed: 07/27/22

Benzene	4.45	0.0250	5.00		89.0	70-130	0.226	20	
Ethylbenzene	4.42	0.0250	5.00		88.4	70-130	0.356	20	
Toluene	4.52	0.0250	5.00		90.4	70-130	0.832	20	
o-Xylene	4.60	0.0250	5.00		92.0	70-130	0.961	20	
p,m-Xylene	8.99	0.0500	10.0		89.9	70-130	0.585	20	
Total Xylenes	13.6	0.0250	15.0		90.6	70-130	0.712	20	
Surrogate: 4-Bromochlorobenzene-PID	9.65		8.00		121	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230100-BLK1)

Prepared: 07/22/22 Analyzed: 07/25/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

LCS (2230100-BS2)

Prepared: 07/22/22 Analyzed: 07/25/22

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			

LCS Dup (2230100-BSD2)

Prepared: 07/22/22 Analyzed: 07/25/22

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.3	70-130	1.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2230103-BLK1)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.03		8.00		113	70-130			

LCS (2230103-BS2)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	54.1	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.03		8.00		113	70-130			

LCS Dup (2230103-BSD2)

Prepared: 07/22/22 Analyzed: 07/27/22

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130	2.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.07		8.00		113	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231027-BLK1)

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.0		50.0		108	50-200			

LCS (2231027-BS1)

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	242	25.0	250		96.7	38-132			
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike (2231027-MS1)

Source: E207136-05

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	185	50.0	250	ND	74.1	38-132			
Surrogate: n-Nonane	61.0		50.0		122	50-200			

Matrix Spike Dup (2231027-MSD1)

Source: E207136-05

Prepared: 07/26/22 Analyzed: 07/26/22

Diesel Range Organics (C10-C28)	284	50.0	250	ND	113	38-132	42.0	20	R3
Surrogate: n-Nonane	60.1		50.0		120	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2231030-BLK1)

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS (2231030-BS1)

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	266	25.0	250		107	38-132			
Surrogate: n-Nonane	53.9		50.0		108	50-200			

Matrix Spike (2231030-MS1)

Source: E207144-05

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike Dup (2231030-MSD1)

Source: E207144-05

Prepared: 07/26/22 Analyzed: 07/27/22

Diesel Range Organics (C10-C28)	304	25.0	250	ND	122	38-132	15.9	20	
Surrogate: n-Nonane	61.1		50.0		122	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2231016-BLK1)					Prepared: 07/25/22 Analyzed: 07/25/22				
Chloride	ND	20.0							
LCS (2231016-BS1)					Prepared: 07/25/22 Analyzed: 07/25/22				
Chloride	245	20.0	250		97.8	90-110			
Matrix Spike (2231016-MS1)					Source: E207140-01		Prepared: 07/25/22 Analyzed: 07/25/22		
Chloride	249	20.0	250	ND	99.4	80-120			
Matrix Spike Dup (2231016-MSD1)					Source: E207140-01		Prepared: 07/25/22 Analyzed: 07/25/22		
Chloride	249	20.0	250	ND	99.7	80-120	0.256	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	7/28/2022 12:49:06PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2231019-BLK1)					Prepared: 07/25/22 Analyzed: 07/26/22				
Chloride	ND	20.0							
LCS (2231019-BS1)					Prepared: 07/25/22 Analyzed: 07/26/22				
Chloride	242	20.0	250		96.8	90-110			
Matrix Spike (2231019-MS1)					Source: E207144-01		Prepared: 07/25/22 Analyzed: 07/26/22		
Chloride	244	20.0	250	ND	97.7	80-120			
Matrix Spike Dup (2231019-MSD1)					Source: E207144-01		Prepared: 07/25/22 Analyzed: 07/26/22		
Chloride	246	20.0	250	ND	98.4	80-120	0.662	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Maljamar Transfer Line	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	07/28/22 12:49

- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 5 of 7

Client: Pima Environmental Services Project: <u>Maljamar Transfer Line</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:				Bill To Attention: <u>SPUR</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>6-68</u>				Lab Use Only Lab WO# <u>E207144</u> Job Number <u>2108-0001</u> Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				TAT 1D 2D 3D Standard X State NM CO UT AZ TX X Remarks				EPA Program CWA SDWA RCRA	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number												
11:20	7/18/22	S		CS. 26 B	1												
11:25				CS. 27 B	2												
11:30				CS. 28 B	3												
11:35				CS. 29 B	4												
11:40				CS. 30 B	5												
11:45				CS. 31 B	6												
11:50				CS. 32 B	7												
11:55				CS. 33 B	8												
12:00				CS. 34 B	9												
12:05				CS. 35 B	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 of time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Ned Rogers</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 subsequent days.																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>Y</u> N T1 T2 T3 AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Project Information

Chain of Custody

Page 6 of 7

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																							
Project: <u>Maljamar Transfer Line</u>					Attention: <u>Spur</u>					Lab WO# <u>E207144</u>					Job Number <u>24068-0001</u>				1D	2D	3D	Standard	CWA	SDWA																		
Project Manager: Tom Bynum					Address:																																					
Address: 5614 N. Lovington Hwy.					City, State, Zip					Analysis and Method													RCRA																			
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:					DRO/DRO by 8015					GRO/DRO by 8015				BTX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				NM				TX			
Phone: 580-748-1613					Email:																																					
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>6-6B</u>																																					
Report due by:																																										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																				
12:10	7/18/22	S		CS. 36 B	11																																					
12:15				CS. 37 B	12																																					
12:20				CS. 38 B	13																																					
12:25				CS. 39 B	14																																					
12:30				CS. 40 B	15																																					
12:35				CS. 41 B	16																																					
12:40				CS. 42 B	17																																					
12:45				CS. 43 B	18																																					
12:50				CS. 44 B	19																																					
12:55				CS. 45 B	20																																					
Additional Instructions:																																										
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																											
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>7/19/22</u> Time <u>3:15</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>7-19-22</u> Time <u>3:15</u>					Lab Use Only																						
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>7-19-22</u> Time <u>4:15</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>7/19/22</u> Time <u>10:15</u>					Received on ice: <u>(Y) N</u>																						
Relinquished by: (Signature) <u>[Signature]</u>					Date					Time					Received by: (Signature)					Date					Time																	
																				T1					T2					T3												
																				AVG Temp °C <u>4</u>																						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: <u>g - glass</u> , <u>p - poly/plastic</u> , <u>ag - amber glass</u> , <u>v - VOA</u>																											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																										



Envirotech Analytical Laboratory

Printed: 7/22/2022 1:03:39PM

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:	Pima Environmental Services-Carlsbad	Date Received:	07/20/22 10:15	Work Order ID:	E207144
Phone:	(575) 631-6977	Date Logged In:	07/21/22 12:13	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	07/26/22 17:00 (4 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: UPSComments/Resolution

Project has been separated into 3 reports due to amount of samples. Workorders are as follows:
E207142 COC pg 1&2 of 7, E207143 COC pg 3&4 of 7, E207144 COC pg 5,6&7 of 7.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

CONDITIONS

Action 130982

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 130982
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	8/8/2022