Poly line feeding Remuda Basin SWD

Incident Number OCD Incident nAPP2213647597

WHEN- 5/13/22

Spill Volume(Bbls) Calculator						
Inputs in blue, Outputs in red						
Cor	ntaminated S	Soil measurement				
Area (Ft 2)	Depth (in)				
<u>599</u>	<u>18</u>	<u>0.500</u>				
Cubic Feet of S	oil Impacted	<u>249.917</u>				
Barrels of Soi	Impacted	<u>44.55</u>				
Soil T	ype	Clay				
Barrels of Oil Assuming 100% Saturation		4.45				
Saturation	Damp	no fluid when squeezed				
Estimated Ba Relea		4.4548				
	Free Stand	ing Fluid Only				
Area (Ft ²)	Depth (inches)				
32 Standing fluid		<u>1.000</u>				
		0.475				
Total fluid	s spilled	4.930				

Total fluids spilled 4.930

Devon Energy Production Company, LP 6488 Seven Rivers Hwy Artesia, NM 88210 575-748-0167

June 21, 2024

NMOCD District 1 1625 N French Dr. Hobbs, NM, 88240

Bureau of Land Management 620 East Green St. Carlsbad, NM 88220

RE: Remediation/Proposed Sampling Plan Report

Flowline Supplying Remuda Basin SWD

API No. N/A

GPS: Latitude 32.2982665 Longitude -103.9132046

ULSTR - P - 18 - 23S - 30E 200FSL 327FEL **Eddy County, NM**

NMOCD Incident ID. nAPP2213647597

This release was initially discovered on May 13, 2022. An initial Notice of Release (NOR) was submitted by Devon personnel on May 16, 2022, and approved by the NMOCD (OCD Online: Permitting – Application ID [107110]). An initial C-141 form was submitted on August 18, 2023, and approved by the NMOCD (OCD Online: Permitting – Application ID [216153]). This incident was assigned Incident ID nAPP2213647597, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

Site information and characterization documents can be found in the previously denied Remediation Closure Report located in OCD Online: Permitting – Action Status, under the Application ID: 231662.

Release Information

nAPP2213647597: On May 13, 2022, the 4" ploy inlet line to the Remuda Basin SWD was struck by an unknown object cutting a gash into the line. Fluids were not in a lined/unlined containment. Fluids were not on pad. Fluids were offsite. Valves on both side of the breach were turned off thus isolating the line and stopping the leak.

Countermeasures due to Remediation Closure Report Denied

On June 5, 2024, the NMOCD denied the remediation closure report citing:

"The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAPP2213647597, for the following reasons:

Remediation closure denied. The total surface area remediated was 10,500 square feet therefore not enough confirmation samples were collected. In your excavation photos provide captions so its easy to understand what area of the excavation is being shown. This is only a partial report. The entire release area needs to be included in one report together. Resubmit report by 7/5/2024.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 350323. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141."

Because this release area was solely in the pasture and pipeline Right of Way, and the area is in a High Karst zone, the closure criteria will be classified under the <50' depth to groundwater section of Table 1 19.15.29.12 NMAC.

The sample points on the previously submitted report referenced a data table showing Sample ID CSW-4, CSW-9, and CSW-10 being advanced to 4' below grade surface (bgs). This information was incorrectly reported. The walls of the excavation at each of these three sample points were advanced laterally by 1', and the new confirmation samples were collected. The Confirmation Sample Map that can be found in Figure 1, illustrates this change to the excavated area.

On behalf of Devon, Pima proposes to collect additional samples from the release area. The Confirmation Sample Map in Figure 1 also represents the total of all samples that have already been collected. As you can see, the number of base samples collected was insufficient, and the number of wall samples collected was excessive. We offer this proposed sampling plan:

- 1. Submit a 48-Hour Notification of Sampling Event via NMOCD Portal.
- 2. A total of 24 additional samples will be collected from the northern portion of the release area. Because the excavation has been backfilled, these samples will be discreet samples, each taken from a depth of 3' (bgs).
- Samples collected will be immediately put on ice, then jarred, and delivered to Envirotech Labs where each sample will be analyzed for all constituents as per Table 1 19.15.29.12 NMAC.
- If sample results prove that contamination still exists, Devon will remove it, haul it to an approved, lined disposal facility, and backfill the area with clean, like material.
- If samples results prove that contamination does not exist, a remediation closure report will be drafted and submitted to the NMOCD with all pertinent details of these events.

A Proposed Sampling Map can be found in Figure 2. Complete laboratory reports and corresponding data tables can be found in Appendix A. Previously submitted Photographic Documentation with correct labeling can be found in Appendix B.

Approval Request

On behalf of Devon, Pima requests that this Remediation/Proposed Sampling Plan Report for incident ID# nAPP2213647597 be approved. Devon has complied with the applicable requirements outlined in rule 19.15.29.12 NMAC.

Should you have any questions or need additional information, please feel free to contact: Devon Energy Production – Dale Woodall at 575-748-0167 or dale.woodall@dvn.com. Pima Environmental – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Confirmation Sample Map
- 2- Proposed Sampling Map

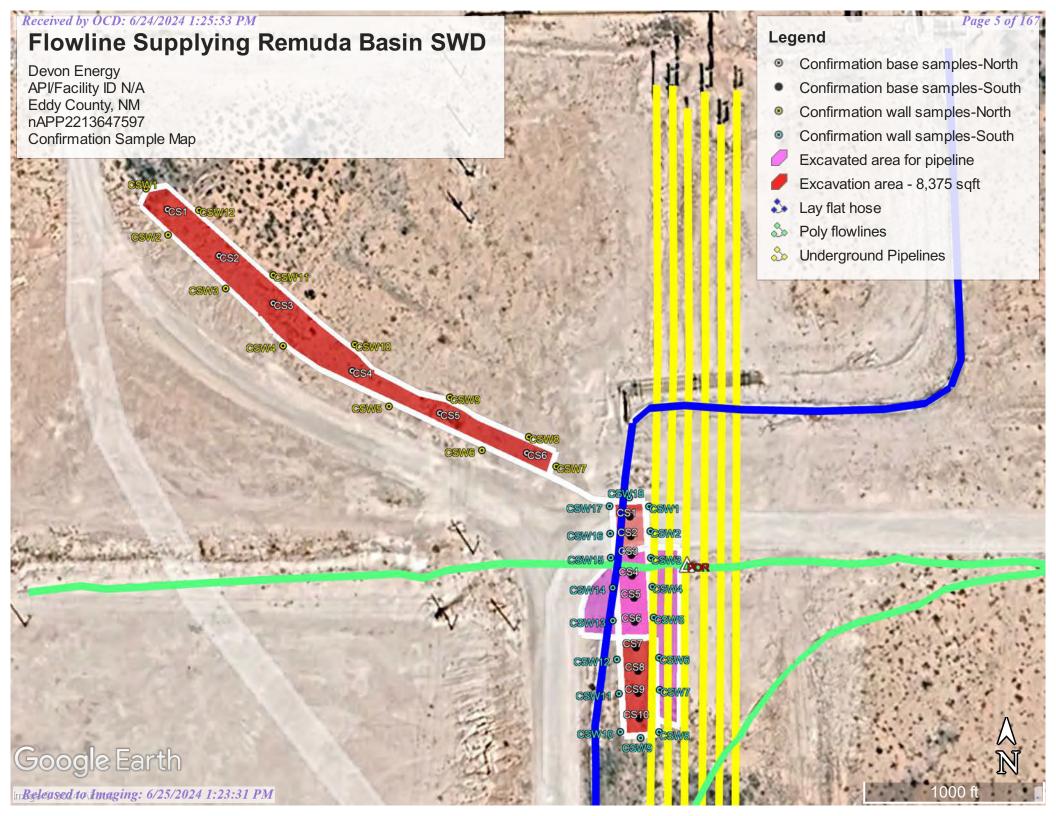
Appendices:

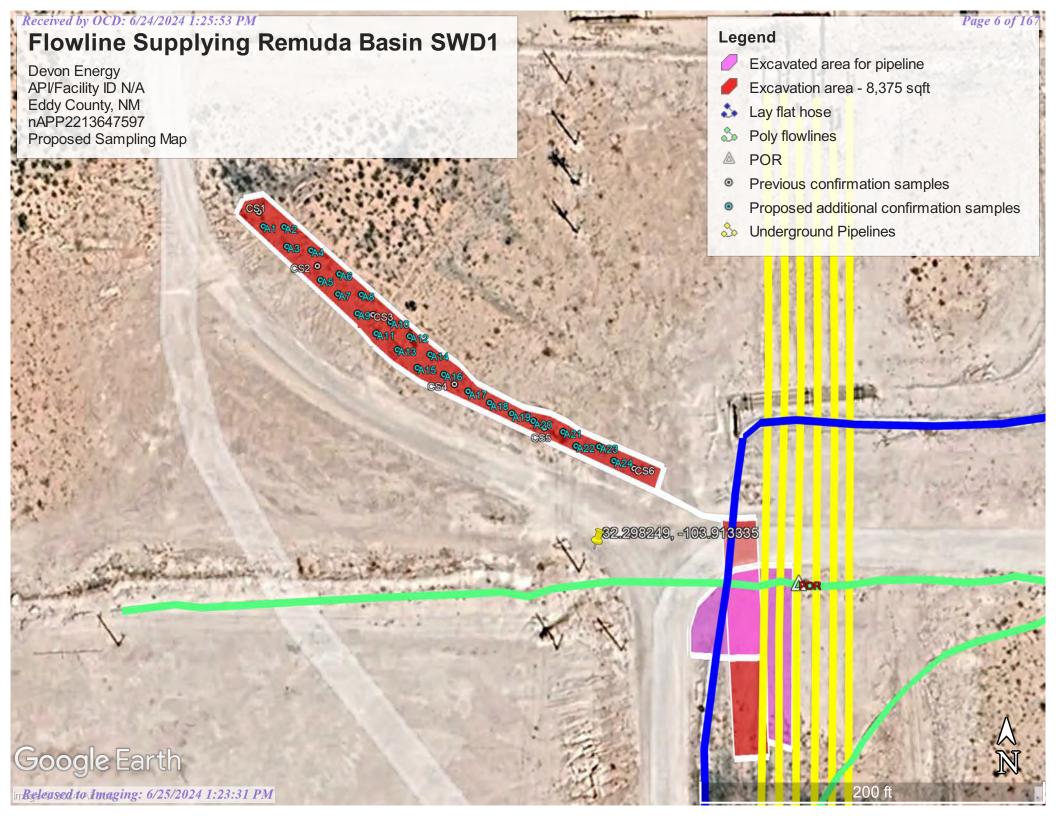
Appendix A – Laboratory Reports & Corresponding Data Tables Appendix B – Photographic Documentation with Correct Labeling



Figures:

- 1 Confirmation Sample Map
- 2 Proposed Sampling Map







Appendix A

Laboratoy Reports & Corresponding Data Tables

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Flowline Supply Remuda Basin

SWD

Work Order: E401076

Job Number: 01058-0007

Received: 1/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/17/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 1/17/24

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Flowline Supply Remuda Basin SWD

Workorder: E401076

Date Received: 1/16/2024 6:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/16/2024 6:30:00AM, under the Project Name: Flowline Supply Remuda Basin SWD.

The analytical test results summarized in this report with the Project Name: Flowline Supply Remuda Basin SWD 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 reguarding 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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Laboratory Administrator Office: 505-632-1881

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima	Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	Reported:
PO I	3ox 247	Project Number:	01058-0007	Reporteu:
Plair	s TX, 79355-0247	Project Manager:	Tom Bynum	01/17/24 13:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1- Bottom	E401076-01A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS2- Bottom	E401076-02A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS3- Bottom	E401076-03A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS4- Bottom	E401076-04A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS5- Bottom	E401076-05A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS6- Bottom	E401076-06A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS7- Bottom	E401076-07A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS8- Bottom	E401076-08A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS9- Bottom	E401076-09A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CS10- Bottom	E401076-10A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW1	E401076-11A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW2	E401076-12A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW3	E401076-13A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW4	E401076-14A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW5	E401076-15A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW6	E401076-16A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW7	E401076-17A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW8	E401076-18A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW9	E401076-19A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW10	E401076-20A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW11	E401076-21A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW12	E401076-22A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW13	E401076-23A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW14	E401076-24A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW15	E401076-25A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW16	E401076-26A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW17	E401076-27A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.
CSW18	E401076-28A	Soil	01/12/24	01/16/24	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS1- Bottom E401076-01

		E4010/0-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Allalyte	Result	Limit	Dill	ution	Trepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RAS		Batch: 2403021
Benzene	ND	0.0250		1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250		1	01/16/24	01/16/24	
Toluene	ND	0.0250		1	01/16/24	01/16/24	
o-Xylene	ND	0.0250		1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500		1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		106 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS		Batch: 2403021		
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		106 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0		1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	01/16/24	01/16/24	
Surrogate: n-Nonane		100 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2403027
Chloride	ND	20.0		1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS2- Bottom E401076-02

		E401070-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2403021
Benzene	ND	0.0250	1	l	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	l	01/16/24	01/16/24	
Toluene	ND	0.0250	1	l	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	l	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	l	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	[01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: I	ΚM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/16/24	01/16/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	01/16/24	01/16/24	
Surrogate: n-Nonane		102 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	OT		Batch: 2403027
Chloride	ND	20.0	1		01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS3- Bottom E401076-03

		E401070-03					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
· ·	mg/kg	mg/kg		Analyst:		, 200	Batch: 2403021
Volatile Organic Compounds by EPA 8260B				Anaryst		01/16/24	Batch: 2403021
Benzene	ND	0.0250	1	<u>l</u>	01/16/24		
Ethylbenzene	ND	0.0250	1	l	01/16/24	01/16/24	
Toluene	ND	0.0250	1	l	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	l	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	l	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		110 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	[01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		110 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	01/16/24	01/16/24	
Surrogate: n-Nonane		103 %	50-200	·	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Chloride	ND	20.0	1	1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS4- Bottom E401076-04

		12401070-04					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
· ·					•	7 mary 200	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R			Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		112 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		110 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: R	AS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		112 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		110 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: K	M		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		102 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D'	Т		Batch: 2403027
Chloride	ND	20.0	1		01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS5- Bottom E401076-05

Result	Reporting	Dile	ıtion	Prepared	Analyzed	Notes
Result	Liiiit	Ditt	ation	Trepared	Anaryzed	Notes
mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
ND	0.0250		1	01/16/24	01/16/24	
ND	0.0250		1	01/16/24	01/16/24	
ND	0.0250		1	01/16/24	01/16/24	
ND	0.0250		1	01/16/24	01/16/24	
ND	0.0500		1	01/16/24	01/16/24	
ND	0.0250	1	1	01/16/24	01/16/24	
	111 %	70-130		01/16/24	01/16/24	
	92.7 %	70-130		01/16/24	01/16/24	
	109 %	70-130		01/16/24	01/16/24	
mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
ND	20.0	:	1	01/16/24	01/16/24	
	111 %	70-130		01/16/24	01/16/24	
	92.7 %	70-130		01/16/24	01/16/24	
	109 %	70-130		01/16/24	01/16/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
ND	25.0		1	01/16/24	01/16/24	
ND	50.0		1	01/16/24	01/16/24	
	102 %	50-200		01/16/24	01/16/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
ND	20.0		1	01/16/24	01/16/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 III % 92.7 % 109 % 109 % mg/kg mg/kg ND 20.0 III % 92.7 % 109 % 109 % mg/kg mg/kg ND 25.0 ND 50.0 102 % mg/kg mg/kg mg/kg	Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 III % 70-130 92.7 % 70-130 109 % 70-130 mg/kg mg/kg ND 20.0 111 % 70-130 92.7 % 70-130 109 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 111 % 70-130 70-130 mg/kg mg/kg Analyst: ND 20.0 1 111 % 70-130 70-130 pg/kg mg/kg Analyst: ND 25.0 1 ND 25.0 1 ND 50.0 1 102 % 50-200 mg/kg Mg/kg Analyst:	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0500 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 92.7 % 70-130 01/16/24 92.7 % 70-130 01/16/24 mg/kg mg/kg Analyst: RAS ND 20.0 1 01/16/24 92.7 % 70-130 01/16/24 92.7 % 70-130 01/16/24 109 % 70-130 01/16/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/16/24 ND 50.0 1 01/16/24 ND 50.0 1 01/16/24 <td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0500 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 111 % 70-130 01/16/24 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24 01/16/24 mg/kg mg/kg Analyst: RAS ND 20.0 1 01/16/24 01/16/24 111 % 70-130 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24 </td>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0500 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 111 % 70-130 01/16/24 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24 01/16/24 mg/kg mg/kg Analyst: RAS ND 20.0 1 01/16/24 01/16/24 111 % 70-130 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24 109 % 70-130 01/16/24 01/16/24



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS6- Bottom E401076-06

Analyte	Result	Reporting Limit	 Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	•		Batch: 2403021
Benzene	ND	0.0250		1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250		1	01/16/24	01/16/24	
Toluene	ND	0.0250		1	01/16/24	01/16/24	
o-Xylene	ND	0.0250		1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500		1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	_	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	01/16/24	01/16/24	
Surrogate: n-Nonane		92.6 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2403027
Chloride	ND	20.0		1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS7- Bottom E401076-07

		E401070-07					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
,	mg/kg			Analyst:	•	111111) 200	Batch: 2403021
Volatile Organic Compounds by EPA 8260B		mg/kg		Allalyst.		01/16/24	Batch: 2403021
Benzene	ND	0.0250	1		01/16/24		
Ethylbenzene	ND	0.0250	1	l	01/16/24	01/16/24	
Toluene	ND	0.0250	1	Į.	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	l	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	l	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	[01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		108 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		108 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	01/16/24	01/16/24	
Surrogate: n-Nonane		96.8 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Chloride	ND	20.0	1	1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS8- Bottom E401076-08

		E401070-08					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Allalyte	Result	Lillit	Diit	шин	Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RAS		Batch: 2403021
Benzene	ND	0.0250	į	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250		1	01/16/24	01/16/24	
Toluene	ND	0.0250		1	01/16/24	01/16/24	
o-Xylene	ND	0.0250		1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500		1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		108 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		108 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		108 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		108 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0		1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	:	1	01/16/24	01/16/24	
Surrogate: n-Nonane		96.9 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2403027
Chloride	ND	20.0		1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS9- Bottom E401076-09

		E401070-03					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
,				Analyst:	•	111111) 200	Batch: 2403021
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Anaryst.		01/16/24	Batch: 2403021
Benzene	ND	0.0250	I		01/16/24		
Ethylbenzene	ND	0.0250	I	l	01/16/24	01/16/24	
Toluene	ND	0.0250	1	l	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		110 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		111 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		110 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	01/16/24	01/16/24	
Surrogate: n-Nonane		98.7 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Chloride	ND	20.0	1	1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CS10- Bottom E401076-10

		E401070-10					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Analyte						Tillalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: 1	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		109 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: 1	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		109 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		109 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: 1	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	01/16/24	01/16/24	
Surrogate: n-Nonane		103 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	DT		Batch: 2403027
Chloride	ND	20.0	1		01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW1

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Benzene	ND	0.0250	1	[01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.5 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.5 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	[01/16/24	01/16/24	
Surrogate: n-Nonane		108 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Allons by ETA 500.0/3030A							



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW2

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: F	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		91.1 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: F	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		91.1 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	ζM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		108 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: I	DΤ		Batch: 2403027
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW3

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2403021
Benzene	ND	0.0250		1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250		1	01/16/24	01/16/24	
Toluene	ND	0.0250		1	01/16/24	01/16/24	
o-Xylene	ND	0.0250		1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500		1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		91.3 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0		1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		91.3 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0		1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0		1	01/16/24	01/16/24	
Surrogate: n-Nonane		107 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2403027



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW4

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: R	AS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.5 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.5 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	ΣM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	_
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		110 %	50-200		01/16/24	01/16/24	
A L. EDA 200 0/005/ A	mg/kg	mg/kg	1	Analyst: D	T		Batch: 2403027
Anions by EPA 300.0/9056A	<i>U U</i>						

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW5

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	ļ	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.2 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ.	01/16/24	01/16/24	
Surrogate: n-Nonane		107 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Amons by ETA 500.0/7050A							

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	М		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		107 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: D	Т		Batch: 2403027
Allions by ETA 500:0/7050A							

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW7

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1	Į.	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	Į.	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		89.6 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	٠	Analyst: 1	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	ļ.	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		89.6 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: 1	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	01/16/24	01/16/24	
Surrogate: n-Nonane		108 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	DT		Batch: 2403027
Allions by EFA 500.0/9030A							

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW8

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.0 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.4 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.0 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.4 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	ΣM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		110 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: D	DΤ		Batch: 2403027
Allons by ETA 500.0/3030A							

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW9

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: I	RAS		Batch: 2403021
Benzene	ND	0.0250	1		01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1		01/16/24	01/16/24	
Toluene	ND	0.0250	1		01/16/24	01/16/24	
o-Xylene	ND	0.0250	1		01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1		01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		89.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1		01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		95.7 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		89.8 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1		01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1		01/16/24	01/16/24	
Surrogate: n-Nonane		111 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: I	DT		Batch: 2403027
		20.0			01/16/24	01/16/24	



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CSW10

		E401076-20					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Benzene	ND	0.0250	1	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.2 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RAS		Batch: 2403021
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	01/16/24	01/16/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		01/16/24	01/16/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		01/16/24	01/16/24	
Surrogate: Toluene-d8		90.2 %	70-130		01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2403018
Diesel Range Organics (C10-C28)	ND	25.0	1	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	01/16/24	01/16/24	
Surrogate: n-Nonane		91.7 %	50-200		01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2403027
Chloride	ND	20.0	1	1	01/16/24	01/16/24	



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CSW11

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		94.6 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2403028
-	ND	20.0		01/16/24	01/16/24	



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CSW12

		D '				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
marye				1	Anaryzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: EG			Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg Analyst: KM			Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		95.5 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	
Chloride	ND	20.0	1	01/16/24	01/16/24	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW13

	D				
Result			n Prepared	Analyzed	Notes
			•	rmaryzed	
mg/kg	mg/kg	Analyst: EG			Batch: 2403022
ND	0.0250	1	01/16/24	01/16/24	
ND	0.0250	1	01/16/24	01/16/24	
ND	0.0250	1	01/16/24	01/16/24	
ND	0.0250	1	01/16/24	01/16/24	
ND	0.0500	1	01/16/24	01/16/24	
ND	0.0250	1	01/16/24	01/16/24	
	94.7 %	70-130	01/16/24	01/16/24	
mg/kg	mg/kg	Analyst: EG			Batch: 2403022
ND	20.0	1	01/16/24	01/16/24	
	96.5 %	70-130	01/16/24	01/16/24	
mg/kg	mg/kg	mg/kg Analyst: KM			Batch: 2403019
ND	25.0	1	01/16/24	01/16/24	
ND	50.0	1	01/16/24	01/16/24	
	98.0 %	50-200	01/16/24	01/16/24	
mg/kg	mg/kg	Ana	alyst: DT		Batch: 2403028
	ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 mg/kg mg/kg MD 20.0 96.5 % mg/kg ND 25.0 ND 50.0	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 94.7% 70-130 mg/kg mg/kg Anal ND 20.0 1 mg/kg mg/kg Anal ND 25.0 1 ND 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: EG ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0250 1 01/16/24 ND 0.0500 1 01/16/24 ND 0.0250 1 01/16/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/16/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/16/24 ND 25.0 1 01/16/24 ND 50.0 1 01/16/24	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: EG ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0500 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 ND 0.0250 1 01/16/24 01/16/24 mg/kg mg/kg Analyst: EG ND 20.0 1 01/16/24 01/16/24 MD 20.0 1 01/16/24 01/16/24 mg/kg mg/kg Analyst: KM ND 25.0 1 01/16/24 01/16/24 ND 25.0 1 01/16/24 01/16/24 ND 50.0 1 01/16/24 01/16/24



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CSW14

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		95.3 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Analyst: EG			Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	Analyst: KM			Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		96.7 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	•



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW15

E401076-25

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		96.5 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: EG		Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		94.6 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW16

E4	01	0	76	-26

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: EG		Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		94.6 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW17

E401076-27

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		95.1 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	·



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

CSW18

E401076-28

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2403022
Benzene	ND	0.0250	1	01/16/24	01/16/24	
Ethylbenzene	ND	0.0250	1	01/16/24	01/16/24	
Toluene	ND	0.0250	1	01/16/24	01/16/24	
o-Xylene	ND	0.0250	1	01/16/24	01/16/24	
p,m-Xylene	ND	0.0500	1	01/16/24	01/16/24	
Total Xylenes	ND	0.0250	1	01/16/24	01/16/24	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: EG		Batch: 2403022
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/16/24	01/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	01/16/24	01/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: KM		Batch: 2403019
Diesel Range Organics (C10-C28)	ND	25.0	1	01/16/24	01/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/16/24	01/16/24	
Surrogate: n-Nonane		94.2 %	50-200	01/16/24	01/16/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2403028
Chloride	ND	20.0	1	01/16/24	01/16/24	



Flowline Supply Remuda Basin SWD Pima Environmental Services-Carlsbad Project Name: Reported: Project Number: PO Box 247 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 1/17/2024 1:55:28PM **Volatile Organic Compounds by EPA 8260B** Analyst: RAS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2403021-BLK1) Prepared: 01/16/24 Analyzed: 01/16/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.557 0.500 111 70-130 Surrogate: 1,2-Dichloroethane-d4 0.476 0.500 95.2 70-130 0.500 108 70-130 Surrogate: Toluene-d8 0.538 LCS (2403021-BS1) Prepared: 01/16/24 Analyzed: 01/16/24 2.22 0.0250 2.50 88.8 70-130 Benzene 2.34 2.50 93.5 70-130 Ethylbenzene 0.0250 2.26 0.0250 2.50 90.2 70-130 70-130 2.38 0.0250 2.50 95.2 o-Xylene 94.5 4.73 5.00 70-130 p,m-Xylene 0.0500 7.11 0.0250 7.50 94.8 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.573 0.500 115 70-130 0.500 95.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.479 70-130 Surrogate: Toluene-d8 0.500 0.531 Matrix Spike (2403021-MS1) Source: E401076-06 Prepared: 01/16/24 Analyzed: 01/16/24 2.59 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.69 0.0250 2.50 ND 108 48-130 Toluene 2.61 0.0250 2.50 ND 104 2.69 0.0250 2.50 ND 108 43-135 o-Xylene ND 107 43-135 p,m-Xylene 5.35 0.0500 5.00 Total Xylenes 8.04 0.0250 7.50 ND 107 43-135 0.566 0.500 113 70-130 Surrogate: Bromofluorobenzene 0.500 98.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.492 70-130 0.534 0.500 Surrogate: Toluene-d8 Matrix Spike Dup (2403021-MSD1) Source: E401076-06 Prepared: 01/16/24 Analyzed: 01/16/24 2.44 0.0250 2.50 ND 97.8 48-131 5.86 23 2.57 0.0250 2.50 ND 45-135 4.58 27 Ethylbenzene ND 99.4 48-130 4.95 24 2.48 2.50 Toluene 0.0250 o-Xylene 2.54 0.0250 2.50 ND 102 43-135 5.98 27 5.00 ND 100 43-135 6.54 27 5.01 p,m-Xylene 0.0500 27 7.55 0.0250 7.50 ND 101 43-135 6.35 Total Xylenes Surrogate: Bromofluorobenzene 0.549 0.500 110 70-130 0.500 99.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.498



0.500

70-130

0.545

Surrogate: Toluene-d8

		QC 50	ullilli	ary Dat	a				
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	(Flowline Suppl	y Remuda	Basin SW	D		Reported:
Plains TX, 79355-0247		Project Manager:]	Гот Bynum					1/17/2024 1:55:28PM
		Volatile O	rganics	by EPA 802	21B				Analyst: EG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403022-BLK1)							Prepared: 0	1/16/24 A	analyzed: 01/16/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130			
LCS (2403022-BS1)							Prepared: 0	1/16/24 A	analyzed: 01/16/24
Benzene	4.90	0.0250	5.00		98.0	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.3	70-130			
Toluene	4.94	0.0250	5.00		98.9	70-130			
o-Xylene	4.92	0.0250	5.00		98.4	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	14.9	0.0250	15.0		99.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike (2403022-MS1)				Source:	E401076-	-28	Prepared: 0	1/16/24 A	analyzed: 01/16/24
Benzene	4.88	0.0250	5.00	ND	97.6	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.4	61-133			
Toluene	4.92	0.0250	5.00	ND	98.3	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			
Matrix Spike Dup (2403022-MSD1)				Source:	E401076-	-28	Prepared: 0	1/16/24 A	analyzed: 01/16/24
Benzene	4.76	0.0250	5.00	ND	95.1	54-133	2.56	20	
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133	2.12	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	2.48	20	
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131	2.03	20	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	63-131	2.28	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	2.19	20	

97.7

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.82

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Flowline Supply Remuda Basin SWDReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum1/17/20241:55:28PM

Plains TX, 79355-0247		Project Manager		m Bynum				1	/17/2024 1:55:28PM
Nonhalogenated Organics by EPA 8015D - GRO Analyst: RAS									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403021-BLK1)							Prepared: 0	1/16/24 An	alyzed: 01/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.557		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			
LCS (2403021-BS2)							Prepared: 0	1/16/24 An	alyzed: 01/16/24
Gasoline Range Organics (C6-C10)	60.8	20.0	50.0		122	70-130			
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			
Matrix Spike (2403021-MS2)				Source:	E401076-	06	Prepared: 0	1/16/24 An	alyzed: 01/16/24
Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			
Matrix Spike Dup (2403021-MSD2)				Source:	E401076-	06	Prepared: 0	1/16/24 An	alyzed: 01/16/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130	5.00	20	

0.500

0.500

0.500

0.563

0.462

0.554

113

92.3

111

70-130

70-130

70-130



Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Flowline Supply Remuda Basin SWD 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

Plains TX, 79355-0247		Project Manage		m Bynum				1/3	17/2024 1:55:28PN
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: EG
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2403022-BLK1)							Prepared: 0	1/16/24 Ana	lyzed: 01/16/24
Gasoline Range Organics (C6-C10)	ND	20.0							-
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			
LCS (2403022-BS2)							Prepared: 0	1/16/24 Ana	lyzed: 01/16/24
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			
Matrix Spike (2403022-MS2)				Source:	E401076-	28	Prepared: 0	1/16/24 Ana	lyzed: 01/16/24
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			
Matrix Spike Dup (2403022-MSD2)				Source:	E401076-	28	Prepared: 0	1/16/24 Ana	lyzed: 01/16/24
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.3	70-130	7.03	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum					1/17/2024 1:55:28PN
	Nonha	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2403018-BLK1)							Prepared: 0	1/16/24 Ar	nalyzed: 01/16/24
Diesel Range Organics (C10-C28)	ND	25.0							
oil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.7		50.0		103	50-200			
LCS (2403018-BS1)							Prepared: 0	1/16/24 Ar	nalyzed: 01/16/24
Diesel Range Organics (C10-C28)	239	25.0	250		95.7	38-132			
urrogate: n-Nonane	51.5		50.0		103	50-200			
Matrix Spike (2403018-MS1)				Source:	E401076-	05	Prepared: 0	1/16/24 Ar	nalyzed: 01/17/24
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.7	38-132			
urrogate: n-Nonane	51.5		50.0		103	50-200			
Matrix Spike Dup (2403018-MSD1)				Source:	E401076-	05	Prepared: 0	1/16/24 Ar	nalyzed: 01/16/24
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.6	38-132	4.39	20	
urrogate: n-Nonane	50.7		50.0		101	50-200			

Pima Environmental Services-CarlsbadProject Name:Flowline Supply Remuda Basin SWDReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum1/17/20241:55:28PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				1	/17/2024 1:55:28PI			
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: KM												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2403019-BLK1)							Prepared: 0	1/16/24 An	alyzed: 01/16/24			
biesel Range Organics (C10-C28)	ND	25.0										
vil Range Organics (C28-C36)	ND	50.0										
urrogate: n-Nonane	47.7		50.0		95.4	50-200						
CS (2403019-BS1)							Prepared: 0	1/16/24 An	alyzed: 01/16/24			
riesel Range Organics (C10-C28)	228	25.0	250		91.1	38-132						
urrogate: n-Nonane	47.1		50.0		94.3	50-200						
Matrix Spike (2403019-MS1)				Source:	E401076-2	26	Prepared: 0	1/16/24 An	alyzed: 01/16/24			
riesel Range Organics (C10-C28)	217	25.0	250	ND	87.0	38-132						
urrogate: n-Nonane	45.7		50.0		91.4	50-200						
Matrix Spike Dup (2403019-MSD1)				Source:	E401076-2	26	Prepared: 0	1/16/24 An	alyzed: 01/16/24			
tiesel Range Organics (C10-C28)	226	25.0	250	ND	90.2	38-132	3.64	20				
urrogate: n-Nonane	46.4		50.0		92.8	50-200						

Matrix Spike Dup (2403027-MSD1)

Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Flowline Supply Remuda Basin SWD 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/17/2024 1:55:28PM

Anions by EPA 300.0/9056A Ana												
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2403027-BLK1)							Prepared: 0	01/16/24 Analyzed: 01/16/24				
Chloride	ND	20.0										
LCS (2403027-BS1)							Prepared: 0	1/16/24	Analyzed: 01/16/24			
Chloride	251	20.0	250		100	90-110						
Matrix Spike (2403027-MS1)				Source:	Source: E401076-01		Prepared: 0	1/16/24	Analyzed: 01/16/24			
Chloride	250	20.0	250	ND	99.9	80-120						

250

20.0

Source: E401076-01

101

80-120

0.875



Prepared: 01/16/24 Analyzed: 01/16/24

Chloride

QC Summary Data

Pima Environmental Services-Carlsbac PO Box 247	1	Project Name: Project Number		Flowline Suppl	y Remuda	Basin SW	Reported:					
Plains TX, 79355-0247		Project Manager: Tom Bynum						1/17/2024 1:55:28PM				
		Anions	by EPA	300.0/9056	4				Analyst: DT			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2403028-BLK1)							Prepared: 0	01/16/24 <i>A</i>	nalyzed: 01/16/24			
Chloride	ND	20.0										
LCS (2403028-BS1)							Prepared: 0	1/16/24 A	analyzed: 01/16/24			
Chloride	246	20.0	250		98.5	90-110						
Matrix Spike (2403028-MS1)	Spike (2403028-MS1) Source: E401076-22		22	Prepared: 0	1/16/24 A	analyzed: 01/16/24						
Chloride	249	20.0	250	ND	99.5	80-120						
Matrix Spike Dup (2403028-MSD1)				Source:	E401076-	22	Prepared: 0	1/16/24 A	analyzed: 01/16/24			

250

20.0

ND

99.7

80-120

0.127

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

ſ	Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
l	PO Box 247	Project Number:	01058-0007	Reported:
	Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/17/24 13:55

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Project	Inforn	nation
Cliante	Dim	Facilia

Chain	of	Custody
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	2
Page	of _>_

Client: Pima Environmental Services 540 Bill To					La	ab Us	Use Only				TA		T	EPA P	rogram				
Project:	Flowlin	ne Supp	ving len	nuda Basia	Attention: Devon		Lab	WO#	ŧ	1	Job N	lum	ber	1D		3D	Standard	CWA	SDWA
	lanager:				Address:		EL	101	5	0	Q10	58	F000	X	ji ji ji				
Address:	5614 N	Lovingt	on Hwy.		City, State, Zip					YZ	Analys	sis ar	nd Metho	d					RCRA
	e, Zip H		M, 88240)	Phone:														
	580-748-				Email:		015	115										State	
	tom@pir	naoil.coi	m		Pima Project # 2-119			by 80	8021	09	01	0.00		Σ	*		NM CO	UT AZ	TX
Report d					Tima Projecting	F 636	ORO ORO	DRO	by 8(y 82	s 60	de 3			1	1 1	X	$\perp \perp$	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
3:17	1/12	S	1	CS1 -	Bottom	1								X					
3:22				^-	Bottom	2										3			
3:38				C53 -	Bottom	3													
3:46				C54-9	Bottom	4													
3:59				CS5-1	Bottom	5													
4:08				CS6-	Bottom	0													
4:17				CST -	Bottom	7								1					
4:28				C28 -	Bottom	8													
4:34				CS9-8	Sottom	9													
4:47		1	1	CS10-		10								1					
Addition	al Instruc	tions:			Billing # 210	3090	7												
A 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6				cicity of this sample. I arm may be grounds for lega		elling the sampl	e locati	ion,						o above	0 but le	ess than 6	ceived on ice the day of on subsequent of		led or received
Kari	ed by: (Signa	tame	Date	15-14 Time	Received by: (Signature)	Date 15	24	Time		5	Rece	eived	on ice:		ab U	se On I	ly		
Relinquished by: (Signature) Date Time Received by: (Signature)		1-15.	24	Time	130	,	T1			<u>T2</u>			<u>T3</u>						
0 1	ed by: (Sign		Date /-	15-24 Time	Received by: (Signature)	1-16-	24	Time	630	0	AVG	Ten	np°C	7					
-				queous, O - Other		Containe								er gla	ss, v	- VOA			
Note: Sam	oles are disc	arded 30 d	lays after re	sults are reported ur	less other arrangements are made. Hazardo	us samples wil	l be re	turned	d to cli	ent or	dispos	sed o	f at the clie				eport for the ar	alysis of the	above
samples is	applicable o	only to thos	e samples r	received by the labora	atory with this COC. The liability of the laborat	ory is limited t	o the	amour	nt paid	for o	n the r	eport							



Project In	formation
Client: P	ima Envir

Chain of Custody	Chain	of	Custody
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	7	2	
Page _	-	of	

Client D	ma Envi	ronment	al Serv	rices SWD	Bill To	-			La	b Us	e Onl	v				TA	Г	EP	A Prog	gram
Project: 3	lowlin	e Supph	ling len	nuda Basin	Attention: Devon		Lab	WO#					coo-	1D	2D	3D	Standar	CW	A !	SDWA
	lanager:				Address:		EL	101	67									+	-	RCRA
	5614 N.				City, State, Zip Phone:						Analys	is and	Metho	T			-	-	-	KCKA
	80-748-		11, 0024	.0	Email:		15	52										Stat		
	om@pir		n				y 8015	y 8015	21	0	,	0.0		ΣN				O UT	AZ T	TX
Report d	ue by:				Pima Project # 2-119	The second	ORO b	ORO b	y 80	y 826	601	de 30			ΧŢ		×	اللا		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Rema	rks	
4:51	1/12	2	1	CSW1		11								X						
5:06	1	1		CSWZ		12														
5:15				csw3		13														
5:22				CSW4		14														
5:36				CSWS	i e	15														
5:42				cswb		16								1			ž.,			
5:58				CSW		17								\coprod						
6:06				CSW8		18								\coprod						
6:06				CSW9		19								1						
6:22				CSW10		20								1						
202230-154	al Instruc				Billing # Zlo 30	907														
The second second				nticity of this sample. I a d may be grounds for leg	am aware that tampering with or intentionally mislaborated by:	elling the sampl	e locati	ion,						p above	0 but le	ess than 6	eived on ice the °C on subseque		ampied	or received
Relinquishe	ed by: (Sign	ature)	Da	te 15.24 time2	Received by (Signature)	Date / 15	.20	Time	13	a	Rece	ived	on ice:		ab U	se On I	ly			
	d by: (Sign		Dat	15-24 Time	Received by: (Signature)	Date	520	Time	2	36	T1_			<u>T2</u>			<u>T3</u>		_	
Relinquish	ed by: (Sign	ature)	Da	te Time	Received by: (Signature)	Date	-24	Time	3	0	AVG	Tem	p°C	4		, (1		
Sample Mat	rix: S - Soil, S	d - Solid, Sg.	Sludge, A -	Aqueous, O - Other		Containe	r Typ	e: g - g	glass,	p-p	oly/pla	astic,	ag - aml	oer gla	iss, v	- VOA				
Note: Sam	oles are dis	carded 30 d	lays after	results are reported u	nless other arrangements are made. Hazardou	s samples wil	l be re	turned	l to cli	ient o	r dispo	sed of	at the cli	ent ex	oense.	. The r	eport for the	analysis o	the al	oove
samples is	applicable of	only to thos	e samples	received by the labo	ratory with this COC. The liability of the laborate	ory is limited t	to the	amoun	it paid	d for c	n the r	eport.						-		



envirotech Page 51 of 167

Project Information

Phone: 580-748-1613

Report due by:

Sampled

6:36

7:00

1:25

Email: tom@pimaoil.com

Sampled

Client: Pima Environmental Services 541
Project: Plawing 5000 Ying Kennya Basin
Project Manager: Tom Bynum

Matrix

Containers

Address: 5614 N. Lovington Hwy

City, State, Zip Hobbs, NM, 88240

SWD

Sample ID

CSW 1

CSW /2

csw 13

CSW 14

CSW 15

csw16

CSW 17

CSW/8

Received by OCD: 6/24/2024 1:25:53 PM

Bill To

Attention: Devon

Pima Project # R-119

Address:

Phone:

Email:

City, State, Zip

Lab

Number

Lab WO# E 401076

DRO/ORO by 8015 GRO/DRO by 8015

BTEX by 8021

/OC by 8260 Metals 6010

Lab Use Only

Job Number

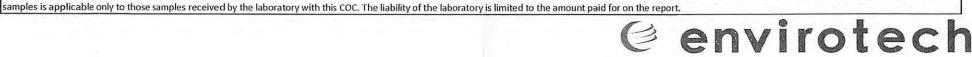
Chloride 300.0

010580007X

Analysis and Method

	TAT		EPA P	rogram
LD 2D 3	BD Star	ndard	CWA	SDWA
	1			RCRA
- 1 - 1				
		M CO	State UT AZ	TX
ž ž	1 5	×	OT AZ	17
BGDOC			Remarks	
K BGDOC NM				
1	11			
\Box	\rightarrow			
	1 1			
11				
11	+			
+	++	_		
IIII				
4				
\rightarrow	+			
.				

Additional Instructions:		Billing	# 21030907			
, (field sampler), attest to the validity and date or time of collection is considered fra	불발 보다 경우 보고 하게 들어서는 그 그렇게 그래요?	am aware that tampering with or intentional gal action. Sampled by:			vation must be received on ice the day they are 0 but less than 6 °C on subsequent days.	re sampled or received
Relinquished by: (Signature)	Date (5 -24 Time	Received by: (Signature)	Date 1524 Time 388	1	Lab Use Only Ŷ)/N	
delinguished by: (signature)	Date 15.2 4 Time	Received by: (Signature)	Date 1-15-24 1730	T1 T2	Т3.	
Relinquished by: (Signature)	1-15-24 20	Received by: (Signature)	Date 1-16-29 0630	AVG Temp °C		
sample Matrix: S - Soil, Sd - Solid, Sg - Slud	ge, A - Aqueous, O - Other		Container Type: g - glass, p -	poly/plastic, ag - amber gl	ass, v - VOA	
Vote: Samples are discarded 30 days	fter recults are reported u	place other arrangements are made U	bazardous camples will be returned to client	or disposed of at the client or	monea. The report for the analysis	of the shove



Printed: 1/16/2024 10:05:49AM

Envirotech Analytical Laboratory

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:	01/16/24	06:30		Work Order ID:	E401076
Phone:	(575) 631-6977	Date Logged In:	01/15/24	15:51		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:		17:00 (0 day TAT)		,	
Chain of	Custody (COC)						
	e sample ID match the COC?		Yes				
	e number of samples per sampling site location mat	ch the COC					
	imples dropped off by client or carrier?		Yes Yes	Comion C	Januarian.		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier: C	<u>Journer</u>		
	I samples received within holding time?	stea anaryses:	Yes				
J. Wele al	Note: Analysis, such as pH which should be conducted in	the field,	103				
	i.e, 15 minute hold time, are not included in this disucssion	on.		ı	r	Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>ooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	vas cooler received in good condition?		Yes				
9. Was the	e 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				
•	e sample received on ice? If yes, the recorded temp is 4°C,	i.e., 6°±2°C	Yes				
12, 1145 411	Note: Thermal preservation is not required, if samples are		103				
	minutes of sampling						
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>ontainer</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>el</u>						
	field sample labels filled out with the minimum info	rmation:					
	imple ID?		Yes				
	ate/Time Collected? ollectors name?		Yes				
_			No				
	reservation the COC or field labels indicate the samples were precipion.	ecerned?	No				
	mple(s) correctly preserved?	eserveu.	NA				
	filteration required and/or requested for dissolved m	netals?	No				
	•	icuis.	110				
_	<u>se Sample Matrix</u> he sample have more than one phase, i.e., multipha	9	3.7				
			No				
27. If yes,	does the COC specify which phase(s) is to be analy	/zea?	NA				
Subcontr	act Laboratory						
	mples required to get sent to a subcontract laborator	-	No				
29. Was a	subcontract laboratory specified by the client and if	f so who?	NA	Subcontract Lab	o: NA		
Client In	struction						
							()

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

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (High Karst)										
Devon - Flowline Supply Remda Basin SWD - nAPP2213647597										
Date: 1/12/24		NM Approved Laboratory Results								
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl		
Sample 1D	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
CS1-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS2-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS3-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS4-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS5-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS6-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS7-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS8-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS9-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CS10-Bottom	3'	ND	ND	ND	ND	ND	0	ND		
CSW1	3'	ND	ND	ND	ND	ND	0	ND		
CSW2	3'	ND	ND	ND	ND	ND	0	ND		
CSW3	3'	ND	ND	ND	ND	ND	0	ND		
CSW4	3'	ND	ND	ND	ND	ND	0	ND		
CSW5	3'	ND	ND	ND	ND	ND	0	ND		
CSW6	3'	ND	ND	ND	ND	ND	0	ND		
CSW7	3'	ND	ND	ND	ND	ND	0	ND		
CSW8	3'	ND	ND	ND	ND	ND	0	ND		
CSW9	3'	ND	ND	ND	ND	ND	0	ND		
CSW10	3'	ND	ND	ND	ND	ND	0	ND		
CSW11	3'	ND	ND	ND	ND	ND	0	ND		
CSW12	3'	ND	ND	ND	ND	ND	0	ND		
CSW13	3'	ND	ND	ND	ND	ND	0	ND		
CSW14	3'	ND	ND	ND	ND	ND	0	ND		
CSW15	3'	ND	ND	ND	ND	ND	0	ND		
CSW16	3'	ND	ND	ND	ND	ND	0	ND		
CSW17	3'	ND	ND	ND	ND	ND	0	ND		
CSW18	3'	ND	ND	ND	ND	ND	0	ND		

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Flowline Supply Remuda Basin

SWD

Work Order: E305057

Job Number: 01058-0007

Received: 5/10/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/11/23

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.

Date Reported: 5/11/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Flowline Supply Remuda Basin SWD

Workorder: E305057

Date Received: 5/10/2023 7:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/10/2023 7:20:00AM, under the Project Name: Flowline Supply Remuda Basin SWD.

The analytical test results summarized in this report with the Project Name: Flowline Supply Remuda Basin SWD 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 reguarding 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

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/11/23 13:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-1	E305057-01A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CS-2	E305057-02A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CS-3	E305057-03A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CS-4	E305057-04A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CS-5	E305057-05A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CS-6	E305057-06A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-1	E305057-07A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-2	E305057-08A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-3	E305057-09A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-4	E305057-10A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-5	E305057-11A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-6	E305057-12A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-7	E305057-13A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-8	E305057-14A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-9	E305057-15A	Soil	05/04/23	05/10/23	Glass Jar, 4 oz.
CSW-10	E305057-16A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-11	E305057-17A	Soil	05/04/23	05/10/23	Glass Jar, 2 oz.
CSW-12	E305057-18A	Soil	05/04/23	05/10/23	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CS-1 E305057-01

		ECOCOCT OI					
Austra	Result	Reporting Limit		ution	Prepared	A l d	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2319039
Benzene	ND	0.0250		1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250		1	05/10/23	05/10/23	
Toluene	ND	0.0250		1	05/10/23	05/10/23	
o-Xylene	ND	0.0250		1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500		1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250		1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		97.8 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		97.8 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2319035
Diesel Range Organics (C10-C28)	69.9	25.0		1	05/10/23	05/10/23	_
Oil Range Organics (C28-C36)	ND	50.0		1	05/10/23	05/10/23	
Surrogate: n-Nonane		104 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2319042
Chloride	ND	20.0	•	1	05/10/23	05/10/23	_



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CS-2 E305057-02

	_	Reporting	_	_	_		
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1	I	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	1	05/10/23	05/10/23	
Toluene	ND	0.0250	1	1	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		96.4 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	I	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		96.4 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KN	М		Batch: 2319035
Diesel Range Organics (C10-C28)	78.1	25.0	1	1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	05/10/23	05/10/23	
Surrogate: n-Nonane		109 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2319042
Chloride	ND	20.0	1	1	05/10/23	05/10/23	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

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		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2319039
Benzene	ND	0.0250	1	l	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	l	05/10/23	05/10/23	
Toluene	ND	0.0250	1	l	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	l	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		98.2 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst:	IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		107 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		98.2 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2319035
Diesel Range Organics (C10-C28)	89.9	25.0	1		05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	[05/10/23	05/10/23	
Surrogate: n-Nonane		106 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2319042

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CS-4

		Reporting					
Analyte	Result	Limit	Dilut	tion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1	05/1	0/23	05/10/23	
Ethylbenzene	ND	0.0250	1	05/1	0/23	05/10/23	
Toluene	ND	0.0250	1	05/1	0/23	05/10/23	
o-Xylene	ND	0.0250	1	05/1	0/23	05/10/23	
p,m-Xylene	ND	0.0500	1	05/1	0/23	05/10/23	
Total Xylenes	ND	0.0250	1	05/1	0/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/1	0/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/1	10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130	05/1	10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/1	0/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/1	10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	05/1	0/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130	05/1	10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2319035
Diesel Range Organics (C10-C28)	82.8	25.0	1	05/1	0/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/1	0/23	05/10/23	
Surrogate: n-Nonane		104 %	50-200	05/1	10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2319042



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CS-5

		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2319039
Benzene	ND	0.0250	1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/10/23	
Toluene	ND	0.0250	1	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		104 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		103 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		104 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2319035
Diesel Range Organics (C10-C28)	69.6	25.0	1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/23	05/10/23	
Surrogate: n-Nonane		98.5 %	50-200	05/10/23	05/10/23	
1 1 ED1 200 0/00#C1	mg/kg	mg/kg	A	analyst: RAS		Batch: 2319042
Anions by EPA 300.0/9056A	mg/Kg	mg kg				Batem 2017012



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

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		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: I	Y		Batch: 2319039
Benzene	ND	0.0250	1		05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1		05/10/23	05/10/23	
Toluene	ND	0.0250	1		05/10/23	05/10/23	
o-Xylene	ND	0.0250	1		05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1		05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: I	Y		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: K	ZM		Batch: 2319035
Diesel Range Organics (C10-C28)	77.8	25.0	1		05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1		05/10/23	05/10/23	
Surrogate: n-Nonane		99.1 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R	AS		Batch: 2319042
					05/10/23	05/10/23	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-1

		E305057-07				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2319039
Benzene	ND	0.0250	1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/10/23	
Toluene	ND	0.0250	1	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		97.2 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		97.2 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: KM		Batch: 2319035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/10/23	05/10/23	
Surrogate: n-Nonane		87.6 %	50-200	05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: RAS		Batch: 2319042
Chloride	ND	20.0	1	05/10/23	05/10/23	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-2

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1		05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1		05/10/23	05/10/23	
Toluene	ND	0.0250	1		05/10/23	05/10/23	
o-Xylene	ND	0.0250	1		05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1		05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		110 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		99.9 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	P	Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		110 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		113 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		99.9 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM	ſ		Batch: 2319035
Diesel Range Organics (C10-C28)	84.7	25.0	1	-	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1		05/10/23	05/10/23	
Surrogate: n-Nonane		89.3 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2319042
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Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-3

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: IY	,		Batch: 2319039
Benzene	ND	0.0250	1		05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1		05/10/23	05/10/23	
Toluene	ND	0.0250	1		05/10/23	05/10/23	
o-Xylene	ND	0.0250	1		05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1		05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		99.7 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		99.7 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: K	M		Batch: 2319035
Diesel Range Organics (C10-C28)	67.4	25.0	1		05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1		05/10/23	05/10/23	
Surrogate: n-Nonane		86.5 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2319042
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Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-4

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2319039
Benzene	ND	0.0250		1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250		1	05/10/23	05/10/23	
Toluene	ND	0.0250		1	05/10/23	05/10/23	
o-Xylene	ND	0.0250		1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500		1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250		1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		97.8 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0		1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		108 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		111 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		97.8 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2319035
Diesel Range Organics (C10-C28)	481	25.0		1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	162	50.0		1	05/10/23	05/10/23	
Surrogate: n-Nonane		88.4 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2319042
Chloride	ND	20.0		1	05/10/23	05/10/23	

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-5

	E305057-11						
Reporting							
Result	Limit	Diluti	ion Prepared	Analyzed	Notes		
mg/kg	mg/kg	А	Analyst: IY		Batch: 2319039		
ND	0.0250	1	05/10/23	05/10/23			
ND	0.0250	1	05/10/23	05/10/23			
ND	0.0250	1	05/10/23	05/10/23			
ND	0.0250	1	05/10/23	05/10/23			
ND	0.0500	1	05/10/23	05/10/23			
ND	0.0250	1	05/10/23	05/10/23			
	105 %	70-130	05/10/23	05/10/23			
	109 %	70-130	05/10/23	05/10/23			
	96.3 %	70-130	05/10/23	05/10/23			
mg/kg	mg/kg	Α	Analyst: IY		Batch: 2319039		
ND	20.0	1	05/10/23	05/10/23			
	105 %	70-130	05/10/23	05/10/23			
	109 %	70-130	05/10/23	05/10/23			
	96.3 %	70-130	05/10/23	05/10/23			
mg/kg	mg/kg	А	Analyst: KM		Batch: 2319035		
70.2	25.0	1	05/10/23	05/10/23			
ND	50.0	1	05/10/23	05/10/23			
	87.9 %	50-200	05/10/23	05/10/23			
mg/kg	mg/kg	А	Analyst: RAS		Batch: 2319042		
	mg/kg ND	Result Reporting Mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 IO5 % 109 % 96.3 % mg/kg ND 20.0 IO5 % 109 % 96.3 % mg/kg mg/kg mg/kg TO.2 25.0 ND 50.0 87.9 %	Reporting Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 ND 70-130 109 % 96.3 % 70-130 70-130 mg/kg mg/kg A ND 20.0 1 105 % 70-130 70-130 96.3 % 70-130 70-130 mg/kg mg/kg A 70.2 25.0 1 ND 50.0 1 87.9 % 50-200	Reporting Mg/kg Mg/kg Analyst: IY ND 0.0250 1 05/10/23 ND 0.0250 1 05/10/23 ND 0.0250 1 05/10/23 ND 0.0250 1 05/10/23 ND 0.0500 1 05/10/23 ND 0.0250 1 05/10/23 ND 0.0250 1 05/10/23 105 % 70-130 05/10/23 109 % 70-130 05/10/23 96.3 % 70-130 05/10/23 109 % 70-130 05/10/23 109 % 70-130 05/10/23 96.3 % 70-130 05/10/23 96.3 % 70-130 05/10/23 109 % 70-130 05/10/23 96.3 % 70-130 05/10/23 109 % 70-130 05/10/23 96.3 % 70-130 05/10/23 109 % 70-130 05/10/23 100 <td>Reporting Mg/kg Mg/kg Analyst: IY ND 0.0250 1 05/10/23 05/10/23 ND 0.0500 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 96.3 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 mg/kg mg/kg Analyst: KM</td>	Reporting Mg/kg Mg/kg Analyst: IY ND 0.0250 1 05/10/23 05/10/23 ND 0.0500 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 ND 0.0250 1 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 96.3 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 109 % 70-130 05/10/23 05/10/23 mg/kg mg/kg Analyst: KM		



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-6

		E305057-12						
Reporting								
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	-	Analyst: IY			Batch: 2319039	
Benzene	ND	0.0250	1	1	05/10/23	05/10/23		
Ethylbenzene	ND	0.0250	1	l	05/10/23	05/10/23		
Toluene	ND	0.0250	1	l	05/10/23	05/10/23		
o-Xylene	ND	0.0250	1	l	05/10/23	05/10/23		
p,m-Xylene	ND	0.0500	1	l	05/10/23	05/10/23		
Total Xylenes	ND	0.0250	1	l	05/10/23	05/10/23		
Surrogate: Bromofluorobenzene		102 %	70-130		05/10/23	05/10/23		
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		05/10/23	05/10/23		
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg mg/kg Ana		Analyst: IY			Batch: 2319039		
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/10/23	05/10/23		
Surrogate: Bromofluorobenzene		102 %	70-130		05/10/23	05/10/23		
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		05/10/23	05/10/23		
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KM			Batch: 2319035	
Diesel Range Organics (C10-C28)	68.1	25.0	1	1	05/10/23	05/10/23		
Oil Range Organics (C28-C36)	ND	50.0	1	l	05/10/23	05/10/23		
Surrogate: n-Nonane		89.6 %	50-200		05/10/23	05/10/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg Analyst: RAS			Batch: 2319042			

20.0

05/10/23

05/10/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

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		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1	0	5/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	0.	5/10/23	05/10/23	
Toluene	ND	0.0250	1	0.	5/10/23	05/10/23	
o-Xylene	ND	0.0250	1	0	5/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	0	5/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	0	5/10/23	05/10/23	
Surrogate: Bromofluorobenzene		105 %	70-130	0.	5/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0.	5/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130	0.	5/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	rg mg/kg		Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	5/10/23	05/10/23	
Surrogate: Bromofluorobenzene		105 %	70-130	0.	5/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0.	5/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130	0.	5/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg mg/kg		A	Analyst: KM			Batch: 2319035
Diesel Range Organics (C10-C28)	71.6	25.0	1	0.	5/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0.	5/10/23	05/10/23	
Surrogate: n-Nonane		82.3 %	50-200	0.	5/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2319042
		·				05/10/23	

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-8

E305057-14

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: I	Y		Batch: 2319039
Benzene	ND	0.0250	1		05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1		05/10/23	05/10/23	
Toluene	ND	0.0250	1		05/10/23	05/10/23	
o-Xylene	ND	0.0250	1		05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1		05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		104 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		104 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: I	ζM		Batch: 2319035
Diesel Range Organics (C10-C28)	75.8	25.0	1		05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1		05/10/23	05/10/23	
Surrogate: n-Nonane		85.4 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: F	RAS		Batch: 2319042
					•	•	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

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E305057-15

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1		05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1		05/10/23	05/10/23	
Toluene	ND	0.0250	1		05/10/23	05/10/23	
o-Xylene	ND	0.0250	1		05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1		05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1		05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		104 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	1		Batch: 2319035
Diesel Range Organics (C10-C28)	142	25.0	1		05/10/23	05/10/23	
Oil Range Organics (C28-C36)	69.6	50.0	1		05/10/23	05/10/23	
Surrogate: n-Nonane		86.2 %	50-200		05/10/23	05/10/23	
4 . I EDA 200 0/00564	mg/kg	mg/kg	A	Analyst: RA	S		Batch: 2319042
Anions by EPA 300.0/9056A	88	8 8					



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-10 E305057-16

		E505057-10				
	D 1	Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2319039
Benzene	ND	0.0250	1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	05/10/23	05/10/23	
Toluene	ND	0.0250	1	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130	05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/10/23	05/10/23	
Surrogate: Toluene-d8		103 %	70-130	05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM		Batch: 2319035
Diesel Range Organics (C10-C28)	116	25.0	1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	58.2	50.0	1	05/10/23	05/10/23	
Surrogate: n-Nonane		86.9 %	50-200	05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2319042
Chloride	ND	20.0	1	05/10/23	05/10/23	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

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		E305057-17					
		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Benzene	ND	0.0250	1	0:	5/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	0:	5/10/23	05/10/23	
Toluene	ND	0.0250	1	0:	5/10/23	05/10/23	
o-Xylene	ND	0.0250	1	0:	5/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	0:	5/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	0:	5/10/23	05/10/23	
Surrogate: Bromofluorobenzene		103 %	70-130	0.	5/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	0.	5/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130	0.	5/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	0:	5/10/23	05/10/23	
Surrogate: Bromofluorobenzene		103 %	70-130	0.	5/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	0.	5/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130	0.	5/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2319035
Diesel Range Organics (C10-C28)	93.5	25.0	1	0.5	5/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0:	5/10/23	05/10/23	
Surrogate: n-Nonane		87.6 %	50-200	0.	5/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: RAS			Batch: 2319042
Allions by EFA 500.0/9050A							



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/11/2023 1:19:26PM

CSW-12

		E305057-18					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2319039
Benzene	ND	0.0250	1	1	05/10/23	05/10/23	
Ethylbenzene	ND	0.0250	1	l	05/10/23	05/10/23	
Toluene	ND	0.0250	1	l	05/10/23	05/10/23	
o-Xylene	ND	0.0250	1	l	05/10/23	05/10/23	
p,m-Xylene	ND	0.0500	1	l	05/10/23	05/10/23	
Total Xylenes	ND	0.0250	1	l	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	Y		Batch: 2319039
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	05/10/23	05/10/23	
Surrogate: Bromofluorobenzene		106 %	70-130		05/10/23	05/10/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		05/10/23	05/10/23	
Surrogate: Toluene-d8		102 %	70-130		05/10/23	05/10/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: k	ζM		Batch: 2319035
Diesel Range Organics (C10-C28)	80.8	25.0	1	1	05/10/23	05/10/23	
Oil Range Organics (C28-C36)	ND	50.0	1	l	05/10/23	05/10/23	
Surrogate: n-Nonane		86.4 %	50-200		05/10/23	05/10/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2319042
Chloride	ND	20.0	1		05/10/23	05/10/23	



Flowline Supply Remuda Basin SWD Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 5/11/2023 1:19:26PM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2319039-BLK1) Prepared: 05/10/23 Analyzed: 05/10/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.518 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.492 0.500 98.3 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.512 LCS (2319039-BS1) Prepared: 05/10/23 Analyzed: 05/10/23 2.53 0.0250 2.50 101 70-130 Benzene 2.32 2.50 92.9 70-130 Ethylbenzene 0.0250 2.36 0.0250 2.50 94.3 70-130 70-130 2.41 0.0250 2.50 96.6 o-Xylene 4.78 5.00 95.6 70-130 p,m-Xylene 0.0500 7.19 0.0250 7.50 95.9 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.520 0.500 104 70-130 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.511 70-130 Surrogate: Toluene-d8 0.520 0.500 Matrix Spike (2319039-MS1) Source: E305057-05 Prepared: 05/10/23 Analyzed: 05/10/23 2.54 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.37 0.0250 2.50 ND 94.8 48-130 Toluene 2.41 0.0250 2.50 ND 96.2 2.44 0.0250 2.50 ND 97.6 43-135 o-Xylene 4.84 ND 96.8 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.28 0.0250 7.50 ND 97.1 43-135 105 0.525 0.500 70-130 Surrogate: Bromofluorobenzene 0.512 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.517 Surrogate: Toluene-d8 Matrix Spike Dup (2319039-MSD1) Source: E305057-05 Prepared: 05/10/23 Analyzed: 05/10/23 2.52 0.0250 2.50 ND 101 48-131 0.811 23 2.34 0.0250 2.50 ND 93.7 45-135 1.10 27 Ethylbenzene ND 94.5 48-130 24 2.36 2.50 1.76 Toluene 0.0250 o-Xylene 2.43 0.0250 2.50 ND 97.2 43-135 0.390 27 5.00 ND 95.7 43-135 27 4.78 1.14 p,m-Xylene 0.0500 27 7.21 0.0250 7.50 ND 96.2 43-135 0.890 Total Xylenes Surrogate: Bromofluorobenzene 0.522 0.500 104 70-130



0.500

0.500

0.521

0.509

104

102

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Pima Environmental Services-CarlsbadProject Name:Flowline Supply Remuda Basin SWDReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/11/20231:19:26PM

Nonhalogenated Organics by EPA 8015D - GRO								Analyst: IY		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2319039-BLK1)]	Prepared: 0	5/10/23 Ana	lyzed: 05/10/23	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130				
Surrogate: Toluene-d8	0.512		0.500		102	70-130				

LCS (2319039-BS2)	Prepared: 05/10/23 Analyzed: 05/10/23				
Gasoline Range Organics (C6-C10)	53.1	20.0	50.0	106	70-130
Surrogate: Bromofluorobenzene	0.539		0.500	108	70-130
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500	102	70-130
Surrogate: Toluene-d8	0.522		0.500	104	70-130

Matrix Spike (2319039-MS2)					: E305057-0	05	Prepared: 05/10/23 Analyzed: 05/10/23
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130	
Surrogate: Toluene-d8	0.524		0.500		105	70-130	
Matrix Spike Dup (2319039-MSD2)				Source	: E305057-0	05	Prepared: 05/10/23 Analyzed: 05/10/23

Matrix Spike Dup (2319039-MSD2)				Source:	E305057-0)5	Prepared: 03	5/10/23 Analyzed: 05/10/23
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	1.23	20
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130		
Surrogate: Toluene-d8	0.523		0.500		105	70-130		

Pima Environmental Services-CarlsbadProject Name:Flowline Supply Remuda Basin SWDReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum5/11/20231:19:26PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					5/11/2023 1:19:26PM
	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2319035-BLK1)							Prepared: 0	5/10/23 Aı	nalyzed: 05/10/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	50-200			
LCS (2319035-BS1)							Prepared: 0	5/10/23 Aı	nalyzed: 05/10/23
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	42.2		50.0		84.5	50-200			
Matrix Spike (2319035-MS1)				Source:	E305057-	15	Prepared: 0	5/10/23 Aı	nalyzed: 05/10/23
Diesel Range Organics (C10-C28)	370	25.0	250	142	91.0	38-132			
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			
Matrix Spike Dup (2319035-MSD1)				Source:	E305057-	15	Prepared: 0	5/10/23 Aı	nalyzed: 05/10/23
Diesel Range Organics (C10-C28)	322	25.0	250	142	72.0	38-132	13.7	20	
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Flowline Supply	y Remuda	Basin SW	'D		Reported:
Plains TX, 79355-0247		Project Manager		Tom Bynum					5/11/2023 1:19:26PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2319042-BLK1)							Prepared: 0	5/10/23 A	analyzed: 05/10/23
Chloride	ND	20.0							
LCS (2319042-BS1)							Prepared: 0	5/10/23 A	analyzed: 05/10/23
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2319042-MS1)				Source:	E305057-	01	Prepared: 0	5/10/23 A	analyzed: 05/10/23
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2319042-MSD1)				Source:	E305057-	01	Prepared: 0	5/10/23 A	analyzed: 05/10/23

250

20.0

103

80-120

0.492

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:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/11/23 13:19

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.



Lab Number	O/ORO by 8015	GRO/DRO by 8015		101	Number 058-0007 ysis and Meth	od	<u>*</u>	3D Standard NM CO	State	RCRA
Number 1				Anal	ysis and Meth	od		NM CO		RCRA
Number 1	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	/OC by 8260 Aetals 6010	nloride 300.0			NM CO		
Number 1	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	/OC by 8260 Aetals 6010	nloride 300.0			NM CO		
Number 1	DRO/ORO by	GRO/DRO by 8	BTEX by 8021	OC by 8260 Aetals 6010	oloride 300.0			I INMI CO	IUIIA	TTVI
Number 1	DRO/OR	GRO/DR	втех by	OC by 8	loride	8		X	01,712	1X
				2 2	Ü	верос	верос		Remarks	
						X				
3										
4										
5								.=		
6						1)				
. 7						1				
8						T				
9						1				
10						1)				
07	<u> </u>									
elling the ampl	e locatio	on,								ed or received
Date 5-9-	23	Time 14	00	Rec	eived on ice:			e Only		
	1.23	Time 17	00	T1		<u>T2</u>		<u>T3</u>		
5 0 1	13	Time	:20	AV	G Temp °C	40				
	4 5 6 7 8 9 10	9 10 Date 5-0-23 Date 5-0-23 Container Type	4 5 6 7 8 9 10 10 10 10 10 10 10	4	4	5 6 7 8 9 10 O7 elling the requiring therms packed in ice at an avg term of the second of the	Samples requiring thermal preser packed in ice at an avg temp about the state of th	5 6 7 8 9 10 Samples requiring thermal preservation must packed in ice at an avg temp above 0 but less Date 5-9-23 Time 5-0-23 Time Time Time Time Time Time Time AVG Temp °C_40 AVG Temp °C_40	Samples requiring thermal preservation must be received on ice the day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day packed in ice at an avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp above 0 but less than 6 °C on subsequent day avg temp	Samples requiring thermal preservation must be received on ice the day they are sample packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Date Time Time

or on the report.

The report for the analysis of the above per on the report.

Page 83

Company of the client expense. The report for the analysis of the above per on the report.

Project Manager: Tom Bynum

Phone: 580-748-1613

Report due by:

Sampled

10:00

10:65

10:20

Email: tom@pimaoil.com

Date

Sampled

Address: 5614 N. Lovington Hwy.

City, State, Zip Hobbs. NM. 88240

Client: Pima Environmental Services
Project: Flowing Supply Remode BasinSWD

Matrix

Containers

Bill To

Attention: Devok

Address:

Phone:

Email:

Sample ID

CSW-6

CSW-7

CSW-8

CSW-9

CSW 10

CSW-11

CSW-12

City, State, Zip

Pima Project #

T			E	PA Pr	ogra	m
Sta	anda	rd	CV	VA	SD	WA
				PA Pr PA Pr VA	RC	RA
			Sta	ite		
	MM	СО	UT	AZ	TX	
	Δ.		Rem	arks		
-	-					
-						
-						
-						

*									
Additional Instructions:		Bi	lling# 21030907					9	
I, (field sampler), attest to the validity and a date or time of collection is considered frau		mple. I am aware t	hat tampering with or intentionally mislabel Sampled by:		ion,			e received on ice the day they are an 6 °C on subsequent days.	sampled or received
Relinquished by: (Signature)	519/23	2:00	Received by: (Signature) MCULL CHYS	5-9-23	Time 1400	Received on ic	e: (y / N	Only	
Relinquished by: (Signature)	5-9-23	Time 1700	Received by: (Signature)	5-a-23	1700	T1	T2	T3	
Relinquished by: (Signature) AND WEST	5. q.23	1300	Received by: (Signature)	5/10/23	7:20	AVG Temp °C_	4.0		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludg	e, A - Aqueous, O - C	ther		Container Typ	e: g - glass, p -	poly/plastic, ag - a	mber glass, v - VO	A	
Note: Samples are discarded 30 days a samples is applicable only to those sam			er arrangements are made. Hazardous th this COC. The liability of the laborato				client expense. Th	e report for the analysis o	f the above



Lab Use Only

Job Number

7000-820D

Chloride 300.0

Metals 6010

Analysis and Method

1D 2D

Z

BGDOC

X

3D

E 30 5057

BTEX by 8021 VOC by 8260

DRO/ORO by 8015

Lab

Number 11

12

13

14

15

16

18

envirotech

Printed: 5/10/2023 9:41:46AM

Envirotech Analytical Laboratory

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.

Theme: (579) 631 64977 Due Langed In: Use (579) 631 64977 Due Due: (579) 631 64977 Due Due: (579) 631 64977 Due Due: (579) 631 64977 Due the configuration of the configurat	Client:	Pima Environmental Services-Carlsbad	Date Received:	05/10/23 ()7·20		Work Order ID:	E305057
Email: coméspinimolicon Due Duis: 05/10/23/17/90 (0 day TAT) Chain of Custody (COC) 1. Does the sample ID match the COC? 2. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates thines, requested analyses? 5. Were all samples received with holding time? Note: Analysis, such as plf which shoulds be conduced in the field, i.e. i.s. Thin the bold time, are not included in this discussion. Samula Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedied TAT? 7. Was a sample cooler received in good condition? 8. If yes, was cooler received in good condition? 9. Was the sample (so) received on itself it, e., not broken? 10. Were custody-feecurity seals intact? 11. If yes, were custody-feecurity seals intact? 12. Was the sample received on itself if yes, the recorded temp is 4°C, i.e., 6°42°C Note: Themat preservation is not required, if samples are received wit 15 manuses of samples 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container. 14. Are aqueous VOC samples collected in VOA Vaist? 15. Are VOC samples collected in VOA Vaist? 16. Is the head speace less than 6.8 min (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volune-weight or number of sample containers? 19. Is the supporties browner-weight or number of sample containers? 19. Is the supporties towner-weight or number of sample containers? 20. Were field sample labels filled out with the minimum information: Sample ID? 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples continged and or requested for dissolved metals? No. Sample ID? 23. Are samples required to get sent to a subcontract laboratory? 24. Are samples in equired of the greated of the subcontract laboratory specified by the client and if so who? 25. Wers a subcontract Laboratory. 26. No. 27. If yes, does the COC specify whic								
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L. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples to opposed of the yeliant to carrier? 4. Was the COC complete, i.e, signatures, datestimes, requested analyses? 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received intact, i.e., not broken? 7. Was a sample cooler received intact, i.e., not broken? 8. If yes, was cooler received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody-security seals bracent? 11. If yes, were custody-security seals intact? 12. Was the sample coiler the ceived in out required, if samples are received wit 15 and the sample received not set? If yes, the recorded temps is 4°C.i.e., 6°42°C. 12. Was the sample received not set? If yes, the recorded temps is 4°C.i.e., 6°42°C. 13. If no visible lee, record the temperature. Actual sample temperature: 4°C. 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOC analyses? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume-weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples() centredly preserved? 23. Less the COC or field labels indicate the samples were preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Rose the COC or field labels indicate the samples were preserved? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which plans(s) is to be analyzed? 28. Are samples collec	Elliali.	ющ@ринаоп.сош	Due Date.	03/10/23	17.00 (0 day 1A1)			
2. Does the number of samples per sampling site location match the COC 4. Was the COC complete, i.e., signatures, dates:times, requested analyses? 5. Were all samples received within holding time? 6. Note canalysis, such as play which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion. Sample Turn Around Time CTAT 7. Did the COC indicate standard TAT, or Expedited TAT? Sample Turn Around Time CTAT 8. If yes, was cooler received? 9. Was a sample cooler received? 9. Was the sample spoiced preceived in good condition? 9. Was the sample spoiced preceived in good condition? 11. If yes, were custody/security seals intact? 12. Was the sample received one first of sampling and the color of sampling 13. If no visible ice, record the temperature. 13. Acro acqueous VOC samples present? 14. Are acqueous VOC samples present? 15. Are VOC samples collected in VOA Viuls? 16. Is the head space least than 6-8 mm (pea sized or lessy)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Other firms of sample spresent? 19. Other firms of sample spresent? 19. Other firms of sample spresent? 20. Were field sample labels filled out with the minimum information: Sample Treaservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples (22. Are samples) have more than one phase, i.e., multiphase? 23. Are samples have more than one phase, i.e., multiphase? 24. Is lab filteration required and for requested for dissolved metals? 25. Was a subcontract Laboratory specified by the client and if so who? 26. Was a subcontract Laboratory specified by the client and if so who? 27. If yes, does the COC or field about an author of any phase of the contract of the correct than one phase, i.e., multiphase? 28. Are samples experience to get sent to a subcontract laboratory? 29. Was a subcontract Laboratory specified by the client and if so who? 29. Was a subcontract Laboratory specified b	Chain of	f Custody (COC)						
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Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Flowline Supply Remuda Basin

SWD

Work Order: E305074

Job Number: 01058-0007

Received: 5/12/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 5/15/23

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.

Date Reported: 5/15/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Flowline Supply Remuda Basin SWD

Workorder: E305074

Date Received: 5/12/2023 8:20:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/12/2023 8:20:00AM, under the Project Name: Flowline Supply Remuda Basin SWD.

The analytical test results summarized in this report with the Project Name: Flowline Supply Remuda Basin SWD 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 reguarding 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

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Raina Schwanz

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

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West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu.
Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/15/23 12:20

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CSW-4	E305074-01A Soil	05/10/23	05/12/23	Glass Jar, 2 oz.
CSW-9	E305074-02A Soil	05/10/23	05/12/23	Glass Jar, 2 oz.
CSW-10	E305074-03A Soil	05/10/23	05/12/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 12:20:12PM

CSW-4 E305074-01

		E305074-01				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2319063
Benzene	ND	0.0250	1	05/12/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/12/23	05/12/23	
Toluene	ND	0.0250	1	05/12/23	05/12/23	
o-Xylene	ND	0.0250	1	05/12/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/12/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/12/23	05/12/23	
Surrogate: 4-Bromochlorobenzene-PID		95.6 %	70-130	05/12/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2319063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/23	05/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	05/12/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2319065
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/23	05/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/23	05/12/23	
Surrogate: n-Nonane		82.4 %	50-200	05/12/23	05/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2319062

20.0

ND

05/11/23

05/12/23

Chloride

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 12:20:12PM

CSW-9

E305074-02

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	An	alyst: IY		Batch: 2319063
Benzene	ND	0.0250	1	05/12/23	05/12/23	
Ethylbenzene	ND	0.0250	1	05/12/23	05/12/23	
Toluene	ND	0.0250	1	05/12/23	05/12/23	
o-Xylene	ND	0.0250	1	05/12/23	05/12/23	
p,m-Xylene	ND	0.0500	1	05/12/23	05/12/23	
Total Xylenes	ND	0.0250	1	05/12/23	05/12/23	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	05/12/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2319063
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/23	05/12/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	05/12/23	05/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KM		Batch: 2319065
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/23	05/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/23	05/12/23	
Surrogate: n-Nonane		85.4 %	50-200	05/12/23	05/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2319062
Chloride	ND	20.0	1	05/11/23	05/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 12:20:12PM

CSW-10

		E305074-03							
Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2319063			
Benzene	ND	0.0250	1	05/12/23	05/12/23				
Ethylbenzene	ND	0.0250	1	05/12/23	05/12/23				
Toluene	ND	0.0250	1	05/12/23	05/12/23				
o-Xylene	ND	0.0250	1	05/12/23	05/12/23				
p,m-Xylene	ND	0.0500	1	05/12/23	05/12/23				
Total Xylenes	ND	0.0250	1	05/12/23	05/12/23				
Surrogate: 4-Bromochlorobenzene-PID		96.4 %	70-130	05/12/23	05/12/23				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2319063			
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/12/23	05/12/23				
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.1 %	70-130	05/12/23	05/12/23				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2319065			
Diesel Range Organics (C10-C28)	ND	25.0	1	05/12/23	05/12/23				
Oil Range Organics (C28-C36)	ND	50.0	1	05/12/23	05/12/23				
Surrogate: n-Nonane		85.0 %	50-200	05/12/23	05/12/23				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2319062			
Chloride	ND	20.0	1	05/11/23	05/12/23				



		QC Si	umm	iai y Dat	a					
Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:		Flowline Suppl 01058-0007	y Remuda	Basin SW	D		Reported:	
Plains TX, 79355-0247		Project Manager:		Tom Bynum					5/15/2023 12:20:12PM	
		Volatile O	rganics	s by EPA 802	21B				Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2319063-BLK1)							Prepared: 0	5/11/23 A	nalyzed: 05/12/23	
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	7.59		8.00		94.8	70-130				
LCS (2319063-BS1)							Prepared: 0	5/11/23 A	nalyzed: 05/12/23	
Benzene	4.70	0.0250	5.00		94.0	70-130				
Ethylbenzene	4.89	0.0250	5.00		97.8	70-130				
Toluene	4.98	0.0250	5.00		99.6	70-130				
o-Xylene	5.01	0.0250	5.00		100	70-130				
p,m-Xylene	9.96	0.0500	10.0		99.6	70-130				
Total Xylenes	15.0	0.0250	15.0		99.8	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130				
Matrix Spike (2319063-MS1)				Source:	E305073-	01	Prepared: 0	Prepared: 05/11/23 Analyzed: 05/12/23		
Benzene	4.69	0.0250	5.00	ND	93.7	54-133				
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133				
Toluene	4.97	0.0250	5.00	ND	99.4	61-130				
o-Xylene	5.02	0.0250	5.00	ND	100	63-131				
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131				
Total Xylenes	15.0	0.0250	15.0	ND	99.9	63-131				
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130				
Matrix Spike Dup (2319063-MSD1)				Source:	E305073-	01	Prepared: 0	5/11/23 A	nalyzed: 05/12/23	
Benzene	4.92	0.0250	5.00	ND	98.4	54-133	4.88	20		
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133	4.57	20		
Toluene	5.21	0.0250	5.00	ND	104	61-130	4.75	20		
o-Xylene	5.27	0.0250	5.00	ND	105	63-131	4.94	20		
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	4.65	20		
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131	4.75	20		
6	5.40		0.00		06.1	70 120				



Surrogate: 4-Bromochlorobenzene-PID

70-130

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Flowline Supply Remuda Basin SWD 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 12:20:12PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					5/15/2023 12:20:12PM
	Noi	nhalogenated	Organics	by EPA 80	15D - Gl	RO			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
Blank (2319063-BLK1)							Prepared: 0	5/11/23	Analyzed: 05/12/23
Gasoline Range Organics (C6-C10)	ND	20.0					1		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			
LCS (2319063-BS2)							Prepared: 0	5/11/23	Analyzed: 05/12/23
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			
Matrix Spike (2319063-MS2)				Source:	E305073-	01	Prepared: 0	5/11/23	Analyzed: 05/12/23
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			
Matrix Spike Dup (2319063-MSD2)				Source:	E305073-	01	Prepared: 0	5/11/23	Analyzed: 05/12/23
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0	ND	98.0	70-130	8.38	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	-
Plains TX, 79355-0247	Project Manager:	Tom Bynum	5/15/2023 12:20:12PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				5/	/15/2023 12:20:12PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2319065-BLK1)							Prepared: 0:	5/12/23 Ana	alyzed: 05/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.6		50.0		89.2	50-200			
LCS (2319065-BS1)							Prepared: 0:	5/12/23 Ana	alyzed: 05/12/23
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	38-132			
urrogate: n-Nonane	42.4		50.0		84.8	50-200			
Matrix Spike (2319065-MS1)				Source:	E305074-	03	Prepared: 0	5/12/23 Ana	alyzed: 05/12/23
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
urrogate: n-Nonane	41.3		50.0		82.6	50-200			
Matrix Spike Dup (2319065-MSD1)				Source:	E305074-	03	Prepared: 0:	5/12/23 Ana	alyzed: 05/12/23
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.794	20	
Gurrogate: n-Nonane	40.0		50.0		79.9	50-200			



LCS Dup (2319062-BSD1)

Chloride

Prepared: 05/11/23 Analyzed: 05/12/23

20

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Flowline Supply 01058-0007 Fom Bynum	/ Remuda	Basin SW	D		Reported: 5/15/2023 12:20:12PM
		Anions l	by EPA	300.0/9056A	\				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2319062-BLK1)							Prepared: 0	5/11/23 A	nalyzed: 05/12/23
Chloride	ND	20.0							
LCS (2319062-BS1)							Prepared: 0	5/11/23 A	nalyzed: 05/12/23
Chloride	248	20.0	250		99.3	90-110			

250

20.0

99.0

90-110

0.350

247

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

ſ	Pima Environmental Services-Carlsbad	Project Name:	Flowline Supply Remuda Basin SWD	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	05/15/23 12:20

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.



Client:	Pima Envi	ronmen	tal Servi	ces	p Bill To				Lal	b Us	se On	ly		T		TA	\T	EPA P	rogram
				rode Basin Slot	Attention: Devon		Lab	WO	1		Job 1				2D	3D	Standard	CWA	SDWA
	Manager:				Address:		E:	305	201	_			700C	X			**		
	: 5614 N.				City, State, Zip			_			Analy	sis aı	nd Metho	d					RCRA
	te, Zip Ho		<u>И, 88240</u>)	Phone:														
	580-748-				Email:		015	015							1	1 1	1	State	
Report	tom@pin due by:	naoil.coi	m		Pima Project # 119		0 by 8	0 by 8(8021	3260	010	300.0		ΣN	¥		NM CO	UT AZ	TX
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	верос		7	Remarks	
8:00	5/10/123	S	1	CSW-	4									1					
8:05		1	1	CSW-	9	2								1					
PUD	1	1	1	CSW-CSW-CSW-CSW-CSW-CSW-CSW-CSW-CSW-CSW-	Ö	3								I					
	*															1			
1																			
		-																	
Additio	nal Instruc	tions:	L	1	Billing # 2103	30900													
The second second				ticity of this sample. I a	m aware that tampering with or intentionally m	is abelling the sample	location	on,									eived on ice the day		ed or received
	ned by: (Signa			111/23 Time 20		Date 5-11-	23	Time	400)	Rece	ived	on ice:		ab U	se On	ly		
Relinauisl	ned by: (Signa led by: (Signa ned by: (Signa	ture)	Date	11-23 Time	Received by: (Signature)	Date 5.11.		Time			T1	.,,,,,	on icc.	T2			T3		
Relinquist	ned by: (Signa	ture)	Date	Time	Received by: (Signature)	Date 5/12/	12	Time	20		AVG	Tem	np °C						
	The state of the s			Aqueous, O - Other		Containe	r Type								SS, V	- VOA		- Committee of the second	
					nless other arrangements are made. Haza												eport for the ana	alysis of the	above
samples i	applicable o	nly to thos	e samples r	received by the labor	ratory with this COC. The liability of the lab	oratory is limited to	the a	mour	nt paid f	for o	n the r	eport					•		

envirotech envirotech

envirotech Inc.

Printed: 5/12/2023 9:27:33AM

Envirotech Analytical Laboratory

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:	05/12/23	08:20		Work Order ID:	E305074
Phone:	(575) 631-6977	Date Logged In:	05/11/23	15:30		Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	05/12/23	17:00 (0 day TAT)		,	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	ourier .		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were al	Il samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi					Comments	s/Resolution
Sample T	urn Around Time (TAT)	011.		Γ		<u> </u>	
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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				
· ·	e 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 ar		103				
	minutes of sampling						
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab							
	field sample labels filled out with the minimum info	ormation:	**				
	ample ID? ate/Time Collected?		Yes	L			
	ollectors name?		Yes No				
	reservation		NO				
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
	filteration required and/or requested for dissolved n	netals?	No				
Multinha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
•		, 2001	11/21				
	act Laboratory	9	Ma				
	amples required to get sent to a subcontract laborato subcontract laboratory specified by the client and i	-	No NA	Cook a sudua ad T. ak	. NI A		
		i so wilo:	INA	Subcontract Lab	; NA		
Client In	<u>istruction</u>						

Date

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

		NMOCD Ta	ble 1 Clos	ure Criteria	19.15.29	NMAC (High	n Karst)				
	DEVO	N ENERGY -	FLOWLIN	E TO REMU	DA BASIN	SWD - nAP	P2213647	597			
			NM Approved Laboratory Results								
Campula ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl		
Sample ID	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
CS-1		3'	ND	ND	ND	69.9	ND	69.9	ND		
CS-2		3'	ND	ND	ND	78.1	ND	78.1	ND		
CS-3		3'	ND	ND	ND	89.9	ND	89.9	ND		
CS-4		3'	ND	ND	ND	82.8	ND	82.8	ND		
CS-5		3'	ND	ND	ND	69.6	ND	69.6	ND		
CS-6		3'	ND	ND	ND	77.8	ND	77.8	ND		
CSW-1		3'	ND	ND	ND	ND	ND	0	ND		
CSW-2		3'	ND	ND	ND	84.7	ND	84.7	ND		
CSW-3	5/4/2023	3'	ND	ND	ND	67.4	ND	67.4	ND		
CSW-4	3/4/2023	3'	ND	ND	ND	481	162	643	ND		
CSW-5		3'	ND	ND	ND	70.2	ND	70.2	ND		
CSW-6		3'	ND	ND	ND	68.1	ND	68.1	ND		
CSW-7		3'	ND	ND	ND	71.6	ND	71.6	ND		
CSW-8		3'	ND	ND	ND	75.8	ND	75.8	ND		
CSW-9		3'	ND	ND	ND	142	69.6	211.6	ND		
CSW-10		3'	ND	ND	ND	116	58.2	174.2	ND		
CSW-11		3'	ND	ND	ND	93.5	ND	93.5	ND		
CSW-12		3'	ND	ND	ND	80.8	ND	80.8	ND		
	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl		
Sample ID Date		(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
CSW-4		4'	ND	ND	ND	ND	ND	0	ND		
CSW-9	5/10/2023	4'	ND	ND	ND	ND	ND	0	ND		
CSW-10		4'	ND	ND	ND	ND	ND	0	ND		

Report to:
Tom Bynum



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Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Supply Line to Remuda Basin

SWD

Work Order: E206036

Job Number: 01058-0007

Received: 6/4/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

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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: 6/20/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Supply Line to Remuda Basin SWD

Workorder: E206036

Date Received: 6/4/2022 12:00:00PM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/4/2022 12:00:00PM, under the Project Name: Supply Line to Remuda Basin SWD.

The analytical test results summarized in this report with the Project Name: Supply Line to Remuda Basin SWD 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 reguarding 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:	Supply Line to Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/20/22 14:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - Surface	E206036-01A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S1 - 1'	E206036-02A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S2 - Surface	E206036-03A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S2 - 1'	E206036-04A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S3 - 6"	E206036-05A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S4 - 6"	E206036-06A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
S5 - 6"	E206036-07A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
BG1 - Surface	E206036-08A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
BG2- Surface	E206036-09A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW1 - 1'	E206036-10A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW2 - 1'	E206036-11A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW3 - 1'	E206036-12A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW4 - 1'	E206036-13A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW5 - 1'	E206036-14A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW6 - 1'	E206036-15A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW7 - 1'	E206036-16A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.
SW8 - 1'	E206036-17A	Soil	06/01/22	06/04/22	Glass Jar, 4 oz.



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S1 - Surface E206036-01

		E206036-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
p-Xylene	ND	0.0250	1	06/09/22	06/10/22	
o,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		83.4 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		101 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: KL		Batch: 2224040
Chloride	17300	1000	50	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S1 - 1'

E206036-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/09/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/09/22	
Toluene	ND	0.0250	1	06/09/22	06/09/22	
o-Xylene	ND	0.0250	1	06/09/22	06/09/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/09/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/09/22	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	06/09/22	06/09/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/09/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/09/22	06/09/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		103 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2224040
Chloride	4970	200	10	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S2 - Surface E206036-03

		E200030-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Marye	resur	Emit	Bilation	Trepared	7 mary 200	110105
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		82.0 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.5 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		81.7 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2224040
Chloride	17300	2000	100	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S2 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		84.9 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.1 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		88.1 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2224040
Chloride	10200	1000	50	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S3 - 6''

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		84.4 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		87.0 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		104 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2224040
Chloride	14000	1000	50	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S4 - 6''

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.1 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		101 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2224040
Chloride	12900	400	20	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

S5 - 6"

		D 4:				
	D 1:	Reporting	D11 -1	ъ .		27.
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		84.5 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.0 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		98.0 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2224040
Chloride	258	20.0	1	06/08/22	06/09/22	



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PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

BG1 - Surface

E206036-08							
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	llyst: IY		Batch: 2224051	
Benzene	ND	0.0250	1	06/09/22	06/10/22		
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22		
Toluene	ND	0.0250	1	06/09/22	06/10/22		
o-Xylene	ND	0.0250	1	06/09/22	06/10/22		
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22		
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22		
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	06/09/22	06/10/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.8 %	70-130	06/09/22	06/10/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2224048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22		
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22		
Surrogate: n-Nonane		106 %	50-200	06/09/22	06/10/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2224040	
Chloride	57.1	20.0	1	06/08/22	06/09/22		



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PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

BG2- Surface E206036-09

		E200030-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
oluene	ND	0.0250	1	06/09/22	06/10/22	
-Xylene	ND	0.0250	1	06/09/22	06/10/22	
o,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		89.4 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		86.9 %	70-130	06/09/22	06/10/22	
Onhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Dil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
urrogate: n-Nonane		94.7 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2224040
Chloride	ND	20.0	1	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW1 - 1'

E206036-10

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		97.0 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2224040
Chloride	113	20.0	1	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW2 - 1'

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0500	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
	90.0 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
ND	20.0	1	06/09/22	06/10/22	
	86.1 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2224048
ND	25.0	1	06/09/22	06/10/22	
ND	50.0	1	06/09/22	06/10/22	
	101 %	50-200	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: KL		Batch: 2224040
53.1	20.0	1	06/08/22	06/09/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 86.1 % mg/kg mg/kg ND 25.0 ND 50.0 101 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg An ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0% 70-130 mg/kg mg/kg An ND 25.0 1 ND 25.0 1 ND 50.0 1 101 % 50-200 mg/kg mg/kg An	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0500 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ng/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 06/10/22 ND 0.0500 1 06/09/22 06/10/22 ND 0.0250 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: IY ND 25.0 1 06/09/22 06/10/22 MD 25.0 1 06/09/22 06/10/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW3 - 1'

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0500	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
	90.9 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
ND	20.0	1	06/09/22	06/10/22	
	85.5 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: JL		Batch: 2224048
ND	25.0	1	06/09/22	06/10/22	
ND	50.0	1	06/09/22	06/10/22	
	104 %	50-200	06/09/22	06/10/22	
mg/kg	mg/kg	An	alyst: KL		Batch: 2224040
74.9	20.0	1	06/08/22	06/09/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 85.5 % mg/kg ND 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Am ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 ND 20.0 1 85.5 % 70-130 mg/kg mg/kg Am ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg mg/kg Am	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0500 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ng/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 06/10/22 ND 0.0500 1 06/09/22 06/10/22 ND 0.0250 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: IY ND 25.5 70-130 06/09/22 06/10/22 Mg/kg mg/kg Analyst: JL ND 25.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 06/10/22 Mg/kg <



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW4 - 1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.4 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		94.9 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2224040
Chloride	185	20.0	1	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW5 - 1'

	D .:				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
ND	0.0500	1	06/09/22	06/10/22	
ND	0.0250	1	06/09/22	06/10/22	
	91.3 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051
ND	20.0	1	06/09/22	06/10/22	
	87.3 %	70-130	06/09/22	06/10/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2224048
ND	25.0	1	06/09/22	06/10/22	
ND	50.0	1	06/09/22	06/10/22	
	103 %	50-200	06/09/22	06/10/22	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2224040
42.4	20.0		06/08/22	06/09/22	•
	ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg ND 20.0 87.3 % mg/kg ND 25.0 ND 50.0 103 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 20.0250 1 ND 20.0 1 87.3 % 70-130 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 103 % 50-200 mg/kg mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0250 1 06/09/22 ND 0.0500 1 06/09/22 ND 0.0250 1 06/09/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/09/22 ND 50.0 1 06/09/22 ND 50.0 1 06/09/22 ng/kg mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/09/22 06/10/22 ND 0.0500 1 06/09/22 06/10/22 ND 0.0250 1 06/09/22 06/10/22 MD 0.0250 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/09/22 06/10/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 ND 50.0 1 06/09/22 06/10/22 <td< td=""></td<>



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW6 - 1'

		2200000 10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	•	7 mary zea	Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.6 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		93.9 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: KL		Batch: 2224040
Chloride	21.9	20.0	1	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW7 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		84.8 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		97.4 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2224040
Chloride	42.6	20.0	1	06/08/22	06/09/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

SW8 - 1'

		Damati				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: IY	111111, 200	Batch: 2224051
Benzene	ND	0.0250	1	06/09/22	06/10/22	
Ethylbenzene	ND	0.0250	1	06/09/22	06/10/22	
Toluene	ND	0.0250	1	06/09/22	06/10/22	
o-Xylene	ND	0.0250	1	06/09/22	06/10/22	
p,m-Xylene	ND	0.0500	1	06/09/22	06/10/22	
Total Xylenes	ND	0.0250	1	06/09/22	06/10/22	
Surrogate: 4-Bromochlorobenzene-PID		81.8 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2224051
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/09/22	06/10/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.8 %	70-130	06/09/22	06/10/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2224048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/09/22	06/10/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/09/22	06/10/22	
Surrogate: n-Nonane		105 %	50-200	06/09/22	06/10/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2224040
Chloride	641	200	10	06/08/22	06/09/22	



Supply Line to Remuda Basin SWD Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 6/20/2022 2:42:35PM **Volatile Organics by EPA 8021B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2224051-BLK1) Prepared: 06/09/22 Analyzed: 06/09/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.20 8.00 90.0 70-130 LCS (2224051-BS1) Prepared: 06/09/22 Analyzed: 06/09/22 5.64 113 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.58 0.0250 5.00 112 70-130 5.92 0.0250 5.00 118 70-130 Toluene 5.47 o-Xylene 0.0250 5.00 109 70-130 11.3 10.0 113 70-130 0.0500 p.m-Xvlene 112 16.8 15.0 70-130 Total Xylenes 0.0250 8.00 91.4 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.31 Matrix Spike (2224051-MS1) Source: E206036-02 Prepared: 06/09/22 Analyzed: 06/09/22 5.46 0.0250 5.00 ND 54-133 Benzene ND 107 61-133 Ethylbenzene 5.37 0.0250 5.00 Toluene 5.73 0.0250 5.00 ND 115 61-130 5.27 ND 105 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.9 0.0500 10.0 ND 109 63-131 16.1 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 6.98 8.00 Matrix Spike Dup (2224051-MSD1) Source: E206036-02 Prepared: 06/09/22 Analyzed: 06/09/22 5.51 0.0250 5.00 ND 54-133 1.04 20 61-133 1.53 5.45 0.0250 5.00 ND 109 20 Ethylbenzene 61-130 Toluene 5.82 0.0250 5.00 ND 116 1.66 20 5.34 5.00 ND 107 63-131 1.36 20 o-Xylene 0.0250 11.0 10.0 ND 110 63-131 1.50 20 p,m-Xylene 0.0500



16.4

6.96

0.0250

15.0

8.00

ND

109

86.9

63-131

70-130

1.45

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Supply Line to Remuda Basin SWD 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/20/2022 2:42:35PM
	Noi	nhalogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2224051-BLK1)							Prepared: 0	6/09/22	Analyzed: 06/09/22
Gasoline Range Organics (C6-C10)	ND	20.0					*		
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			
LCS (2224051-BS2)							Prepared: 0	6/09/22	Analyzed: 06/09/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			
Matrix Spike (2224051-MS2)				Source:	E206036-	02	Prepared: 0	6/09/22	Analyzed: 06/10/22
Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			
Matrix Spike Dup (2224051-MSD2)				Source:	E206036-	02	Prepared: 0	6/09/22	Analyzed: 06/10/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130	7.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.07		8.00		88.4	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 2:42:35PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				(5/20/2022 2:42:35PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2224048-BLK1)							Prepared: 0	6/09/22 An	nalyzed: 06/10/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.7		50.0		101	50-200			
LCS (2224048-BS1)							Prepared: 0	6/09/22 An	nalyzed: 06/10/22
Diesel Range Organics (C10-C28)	508	25.0	500		102	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			
Matrix Spike (2224048-MS1)				Source:	E206036-	10	Prepared: 0	6/09/22 An	nalyzed: 06/10/22
Diesel Range Organics (C10-C28)	519	25.0	500	ND	104	38-132			
Surrogate: n-Nonane	46.3		50.0		92.5	50-200			
Matrix Spike Dup (2224048-MSD1)				Source:	E206036-	10	Prepared: 0	6/09/22 An	nalyzed: 06/10/22
Diesel Range Organics (C10-C28)	527	25.0	500	ND	105	38-132	1.45	20	
Gurrogate: n-Nonane	50.2		50.0		100	50-200			
el Range Organics (C10-C28)		25.0			105	38-132			alyzed: 06/



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Project Number: Project Manager	(Supply Line to 1 01058-0007 Fom Bynum	Remuda B	asin SWD)	Reported: 6/20/2022 2:42:35PM					
Anions by EPA 300.0/9056A Analyst: KL												
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2224040-BLK1)							Prepared: 0	6/08/22 Ar	nalyzed: 06/09/22			
Chloride	ND	20.0										
LCS (2224040-BS1)							Prepared: 0	6/08/22 Ar	nalyzed: 06/09/22			
Chloride	245	20.0	250		98.1	90-110						
LCS Dup (2224040-BSD1)							Prepared: 0	6/08/22 Ar	nalyzed: 06/09/22			
Chloride	254	20.0	250		102	90-110	3.63	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:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/20/22 14:42

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.



Client: Pi	ma Envi	ronment	tal Servi	ces		, Bill To				Lab	Us	e Onl	V			_	TA	Т	EPA P	ogram
Project:	SUDDLY A	inete	Remu	da Basin		ention: Devon F	=nersy	Lab	WO#			Job N	lumb		1D	2D		Standard	CWA	SDWA
	lanagér:					dress:	01	Eá	206	203	0	005	38.	-0007			7. 1	X		
	5614 N.					, State, Zip		1			-	Analys	sis an	d Method						RCRA
	e, Zip Ho		1, 88240)		one:														
	80-748-				Em	ail:		8015	015										State	
	om@pin	aoii.con	n		Pi	ma Project # // 9		by 8	by 8	021	09	10	000		NN	×			UT AZ	1X
Report du							Lab	ORO	DRO	by 8	y 82	s 60	de 3		1000	100		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Number	DRO/	GRO/DRO	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC			Remarks	
0730	6/1/22	5	1	51-	-Surfa	ce	1								X					
0735	1			51-	-1'		2								1					
0740				52-	- Surfa	ac e	3													
0745				52-	1'		4													
0750				53-	- 6"		5													
0755				54-	- 611		6													
0800				55-	-6"		7													
0805				1561	- Sur.	face	8													
B810	,			BG2	- Sur	ace	9													
0815				SWI	- 1'		10													
Addition	al Instruc	ions:	1. 1	1 1																
		1	2///			nergx					_									
						that tampering with or intentionally mis Sampled by: 500								and the second second				rived on ice the day t °C on subsequent da		ed or received
	d by: (Signa		Date		for legal action. Time										1:	ah Us	e Onl	V		
MA		olor	C 100 C		9:00 A.N	Received by: (Signature)	A 6-3	-22	9	00	A	Recei	ived	on ice:	-	/ N	COIII	y		
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Relinquishe			Date		Time	Received by: (Signature)	Date		Time				Tem	p°c 4	,					
Sample Matr	S - Soil Sd	- Solid Se -	Sludge A - A	queous, 0 - Oth	ner		Container	Type	P - 9	asson	_				r glas	S. V -	VOA			
						er arrangements are made. Hazar												port for the ana	lysis of the	above
						th this COC. The liability of the labo												A CONTRACTOR OF THE PARTY OF TH		



lient: Pima Env	ironmen	tal Service	ces	Bill To_	-			La	b Us	e On				TAT		EPA P	rogram
roject: Supply L	ine to k	enudas	Basin SWO	Attention: Devon Energy	54		b WO#					1D	2D	3D :	Standard	CWA	SDWA
roject Manager: ddress: 5614 N				Address: City, State, Zip		- <u>E</u>	201	03			58-007 rsis and Method				\wedge		RCRA
ity, State, Zip H				Phone:					Ť	Allaly	313 and Wethou			T			INCINA
none: 580-748	-1613			Email:		015	8015									State	
mail: tom@pii	naoil.cor	n		Pima Project # //9		by 8(by 8(021	09:	10	0.00.0	ΣN	×		NM CO	UT AZ	TX
Time Date		No. of	Er sandia	7/	Lab	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		132			200	1
ampled Sampled	Matrix	Containers	Sample ID		Numb	er ONO	GRO,	BTEX	VOC	Meta	Chlo	верос	верос			Remarks	
900 4/1/2	25	1	SW2 -	-)'	11							X					
905)		SW3 -	- j ^f	la							1			10		
			Trans.	,1 C	13							+		-			
9/0			SW4.														
915			SW5-	- / '	14												
920			SWL -	- / '	15												
1925			SW7-	we I	16												
930			SW8-		17												
170			2									-					
							#							+			
														=	-		
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dditional Instru		11/10	Λ	_													
field sampler), attest t	o the validity	and authenti	icity of this sample. I a	im aware that tampering with or intentionally misla	belling the sar	ple loca	ition,			Sample	es requiring thermal pr	reserva	tion mus	be receive	ed on ice the day t	hey are sampl	ed or received
te or time of collection	is considere		may be grounds for leg	al action. Sampled by: Scol	Hens	1					l in ice at an avg temp	above () but les	than 6 °C	on subsequent da	/s.	
elinquished by: (Sign	of PAK	Date	3-22 9:0	o Am Received by: (Signature)	h hate	3-2	D Time	1 0	0 4	Aece	aived on ice:		ab Us 7/N	e Only			
elinquished by: (Sign	atories ~	A Date	Time	Received by: (Signature)	Date .	1	Time			7	and of the	ر ا	1 14				
Halles		Date	1-500-4	Jalon Contin	- 1014 Date	120	Time	:00		T1		<u>T2</u>			<u>T3</u>		
elinquished by: (Sign	ature)	Date	Time	Received by: (Signature)	Date		lime			AVIC	Temp °C 4	1					
mple Matrix: 8 - Soil, 5	9 6 6 6	Cluster A	5.00			T		=15			astic, ag - ambe			15.1			



envirotech Inc.

Printed: 6/7/2022 11:45:23AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

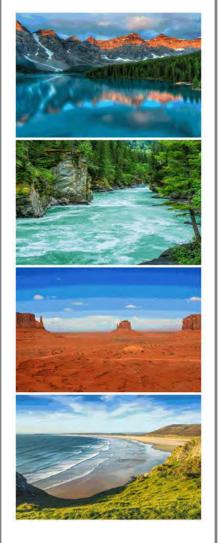
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/04/22	12:00		Work Order ID:	E206036
Phone:	(575) 631-6977	Date Logged In:	06/06/22			Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	06/10/22	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
2. Does t	he number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: U	JPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	<u></u>			
5. Were a	all samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in					Comment	s/Resolution
Commis '	i.e, 15 minute hold time, are not included in this disucssion	on.		Г		Comment	5/ACSO/401011
	Furn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes				
	•		105				
Sample of	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?		Yes				
	custody/security seals present?						
	s, were custody/security seals intact?		No				
•	,		NA				
12. Was ti	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample	<u>Container</u>						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
	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 r	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	sample ID?		Yes				
	Oate/Time Collected?		Yes	•			
	Collectors name?		No				
	<u>Preservation</u> the COC or field labels indicate the samples were pr	ogomiod9	No				
	ample(s) correctly preserved?	eserveu?	No NA				
	ofilteration required and/or requested for dissolved m	etals?	No				
		cuis.	110				
	ase Sample Matrix	9	3.7				
	the sample have more than one phase, i.e., multiphase		No				
	s, does the COC specify which phase(s) is to be analy	zeu?	NA				
	ract Laboratory						
	amples required to get sent to a subcontract laborator	-	No				
29. Was	a subcontract laboratory specified by the client and if	'so who?	NA	Subcontract Lab	o: na		
Client I	<u>nstruction</u>						

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Supply Line to Remuda Basin

SWD

Work Order: E206078

Job Number: 01058-0007

Received: 6/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/20/22

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

Date Reported: 6/20/22

Tom Bynum PO Box 247

Plains, TX 79355-0247

Project Name: Supply Line to Remuda Basin SWD

Workorder: E206078

Date Received: 6/14/2022 11:44:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/14/2022 11:44:00AM, under the Project Name: Supply Line to Remuda Basin SWD.

The analytical test results summarized in this report with the Project Name: Supply Line to Remuda Basin SWD 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 reguarding 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

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Cell: 775-287-1762

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/20/22 17:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-3'	E206078-01A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S1-5'	E206078-02A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S2-3'	E206078-03A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S2-5'	E206078-04A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S3-1'	E206078-05A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S3-3'	E206078-06A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S3-6'	E206078-07A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S4-2'	E206078-08A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S4-4'	E206078-09A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S5-1'	E206078-10A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S5-3'	E206078-11A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.
S5-6'	E206078-12A	Soil	06/08/22	06/14/22	Glass Jar, 4 oz.

Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S1-3'

		E206078-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/16/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/16/22	
Toluene	ND	0.0250	1	06/14/22	06/16/22	
o-Xylene	ND	0.0250	1	06/14/22	06/16/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/16/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/16/22	
Surrogate: 4-Bromochlorobenzene-PID		98.7 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.7 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/16/22	
Surrogate: n-Nonane		115 %	50-200	06/15/22	06/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2225018
Chloride	250	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S1-5'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/16/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/16/22	
Toluene	ND	0.0250	1	06/14/22	06/16/22	
o-Xylene	ND	0.0250	1	06/14/22	06/16/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/16/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/16/22	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.9 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		128 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2225018
Chloride	ND	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S2-3'

	D				
Result			Prepared	Analyzed	Notes
			1	7 mary zea	
mg/kg	mg/kg	Ana	lyst: 1 Y		Batch: 2225015
ND	0.0250	1	06/14/22	06/16/22	
ND	0.0250	1	06/14/22	06/16/22	
ND	0.0250	1	06/14/22	06/16/22	
ND	0.0250	1	06/14/22	06/16/22	
ND	0.0500	1	06/14/22	06/16/22	
ND	0.0250	1	06/14/22	06/16/22	
	97.1 %	70-130	06/14/22	06/16/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2225015
ND	20.0	1	06/14/22	06/16/22	
	90.2 %	70-130	06/14/22	06/16/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2225053
ND	25.0	1	06/15/22	06/16/22	
ND	50.0	1	06/15/22	06/16/22	
	112 %	50-200	06/15/22	06/16/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2225018
	ND ND ND ND ND ND ND ND ND Mg/kg ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0250 97.1 % mg/kg MD 20.0 90.2 % mg/kg MD 25.0 ND 50.0 112 %	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 97.1 % 70-130 mg/kg mg/kg Ana ND 20.0 1 90.2 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 112 % 50-200	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 06/14/22 ND 0.0250 1 06/14/22 ND 0.0250 1 06/14/22 ND 0.0250 1 06/14/22 ND 0.0500 1 06/14/22 ND 0.0250 1 06/14/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/14/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/15/22 ND 50.0 1 06/15/22 ND 50.0 1 06/15/22	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 06/14/22 06/16/22 ND 0.0500 1 06/14/22 06/16/22 ND 0.0250 1 06/14/22 06/16/22 97.1 % 70-130 06/14/22 06/16/22 mg/kg mg/kg Analyst: IY ND 20.0 1 06/14/22 06/16/22 mg/kg mg/kg Analyst: JL ND 25.0 1 06/15/22 06/16/22 ND 50.0 1 06/15/22 06/16/22 ND 50.0 1 06/15/22 06/16/22



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S2-5'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/16/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/16/22	
Toluene	ND	0.0250	1	06/14/22	06/16/22	
o-Xylene	ND	0.0250	1	06/14/22	06/16/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/16/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/16/22	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.6 %	70-130	06/14/22	06/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/16/22	
Surrogate: n-Nonane		112 %	50-200	06/15/22	06/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2225018
Chloride	ND	20.0	1	06/14/22	06/15/22	•



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S3-1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		90.2 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		116 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2225018
Chloride	1060	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S3-3'

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		llyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		89.9 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		117 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2225018
Chloride	633	20.0	1	06/14/22	06/15/22	·



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S3-6'

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		115 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2225018
Chloride	ND	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S4-2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		117 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2225018
Chloride	1770	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S4-4'

Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		89.8 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/20/22	
Oil Range Organics (C28-C36)	51.3	50.0	1	06/15/22	06/20/22	
Surrogate: n-Nonane		110 %	50-200	06/15/22	06/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2225018
Chloride	ND	20.0	1	06/14/22	06/15/22	



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S5-1'

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		110 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2225018	
Chloride	3710	40.0	2	06/14/22	06/15/22	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S5-3'

E206078-11

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		114 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2225018
Chloride	1430	20.0		06/14/22	06/15/22	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

S5-6'

E206078-12

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Benzene	ND	0.0250	1	06/14/22	06/17/22	
Ethylbenzene	ND	0.0250	1	06/14/22	06/17/22	
Toluene	ND	0.0250	1	06/14/22	06/17/22	
o-Xylene	ND	0.0250	1	06/14/22	06/17/22	
p,m-Xylene	ND	0.0500	1	06/14/22	06/17/22	
Total Xylenes	ND	0.0250	1	06/14/22	06/17/22	
Surrogate: 4-Bromochlorobenzene-PID		91.8 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2225015
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/14/22	06/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	06/14/22	06/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2225053
Diesel Range Organics (C10-C28)	ND	25.0	1	06/15/22	06/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/15/22	06/17/22	
Surrogate: n-Nonane		123 %	50-200	06/15/22	06/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2225018
Chloride	20.9	20.0	1	06/14/22	06/15/22	_



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	_
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

Plains TX, 79355-0247		Project Number: Project Manager		m Bynum				6	/20/2022 5:41:44PI
		Volatile O	rganics b	y EPA 802	21B				Analyst: IY
nalyte	Result		Spike Level	-		Rec ec Limits		RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2225015-BLK1)							Prepared: 0	6/14/22 An	alyzed: 06/16/22
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	7.63		8.00		95.4	70-130			
LCS (2225015-BS1)							Prepared: 0	6/14/22 An	alyzed: 06/16/22
Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.3	70-130			
Toluene	4.77	0.0250	5.00		95.3	70-130			
o-Xylene	4.72	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.29	0.0500	10.0		92.9	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			
LCS Dup (2225015-BSD1)							Prepared: 0	6/14/22 An	alyzed: 06/16/22
Benzene	5.06	0.0250	5.00		101	70-130	3.91	20	
Ethylbenzene	4.69	0.0250	5.00		93.9	70-130	3.90	20	
Toluene	4.96	0.0250	5.00		99.1	70-130	3.90	20	
o-Xylene	4.90	0.0250	5.00		98.1	70-130	3.92	20	
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130	3.85	20	
	146	0.0050	15.0		97.1	70-130	3.87	20	
Total Xylenes	14.6	0.0250	13.0		97.1	/0-130	5.67	20	



Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Supply Line to Remuda Basin SWD 01058-0007	Reported:		
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM		

Plains TX, 79355-0247		Project Manager	r: To	m Bynum					6/20/2022 5:41:44PM
	Non	halogenated	Organics l	by EPA 801	15D - G	RO			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2225015-BLK1)							Prepared: 0	6/14/22	Analyzed: 06/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.2	70-130			
LCS (2225015-BS2)							Prepared: 0	6/14/22	Analyzed: 06/16/22
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.4	70-130			
LCS Dup (2225015-BSD2)							Prepared: 0	6/14/22	Analyzed: 06/16/22
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130	3.00	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.24		8.00		90.5	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Supply Line to Remuda Basin SWD	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/20/2022 5:41:44PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/20/2022 5:41:44PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2225053-BLK1)							Prepared: 0	6/15/22 A	nalyzed: 06/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.3		50.0		113	50-200			
LCS (2225053-BS1)							Prepared: 0	6/15/22 A	nalyzed: 06/16/22
Diesel Range Organics (C10-C28)	480	25.0	500		96.0	38-132			
Surrogate: n-Nonane	53.3		50.0		107	50-200			
Matrix Spike (2225053-MS1)				Source:	E206078-	10	Prepared: 0	6/15/22 A	nalyzed: 06/16/22
Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.9	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike Dup (2225053-MSD1)				Source:	E206078-	10	Prepared: 0	6/15/22 A	nalyzed: 06/16/22
Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.8	38-132	0.931	20	
Surrogate: n-Nonane	54.8		50.0		110	50-200			



Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Supply Line to I 01058-0007 Tom Bynum	Remuda Ba	nsin SWD	•			ported: 2 5:41:44PM
		Anions	by EPA	300.0/9056A	1				Analys	st: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limi		Notes
Blank (2225018-BLK1)							Prepared: 0	6/14/22	Analyzed:	06/15/22
Chloride	ND	20.0								
LCS (2225018-BS1)							Prepared: 0	6/14/22	Analyzed:	06/15/22
Chloride	259	20.0	250		104	90-110				
Matrix Spike (2225018-MS1)				Source:	E206075-0	1	Prepared: 00	6/14/22	Analyzed:	06/15/22
Chloride	312	20.0	250	50.5	105	80-120				
Matrix Spike Dup (2225018-MSD1)				Source:	E206075-0	1	Prepared: 0	6/14/22	Analyzed:	06/15/22
Chloride	311	20.0	250	50.5	104	80-120	0.298	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:	Supply Line to Remuda Basin SWD	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/20/22 17:41

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.



Client: D	ima Envi	ronmon	tal Sarvi	cos	Bill To				1 -	ah H	se Or	alv				TA	AT.	FDΔ D	rogram
				da Besin SWD		20016	Lah	WO#		ab O.		Num	her	1D	2D	3D	Standard	CWA	SDWA
Project N	lanager:	Tom By	num	GA Cas III ST	Address:	91	F	XX	3	18	nic	58	Fun-	10	20	30	X	CVVI	JOVIA
	5614 N.				City, State, Zip		10	X	<u> </u>	. 0			nd Method		_				RCRA
	e, Zip Ho				Phone:														
	580-748-				Email:		15	12										State	
	tom@pin		m				/ 80	/801		_		0.0		_			NM CO	UT AZ	TX
Report d	ue by:				Pima Project # //9		30 b	(Q D)	8021	8260	5010	e 300		Z	¥		X		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remarks	
0830	6/8/12	5	1	51-3	/	1.								X					
0835	1			51-5	/-	8								1					
0870				52 - 3	/	3													
0845				52-5	/	4													
0850				53 -1	/	5													
0900				53 - 3	(le													
0905				53-6	/														
09/0				54-2	/	8													
09/5				54-4	/	9													
0920				55-1	,	10								1					
	al Instruc	tions:						•									**		
		6	11/0	Devon Ene	Cay - 2103090														
					naware that tampering with or intentionally misl	abelling the sample	e locati	on,				200					eived on ice the day o'C on subsequent da	THE RESIDENCE	ed or received
				may be grounds for lega		Hense	20	T-2			раске	u in ice a	t an avg temp a					γs.	
MAG	Kold	15	Date 6	-10-77 3:40	Received by: (Signature)	Myn 6	100	Rime	11		Rec	eived	on ice:		ab U	se On	ly		
Relinquish	ed by: (Signa	GM	M Date	10-22 Jime 1	Received by: (Signature)	1 W/14	2	Time	: (14	T1			T2			<u></u>		
Relinquish	ed by: (Signa	ture)	Date	Time	Received by: (Signature)	Date		Time			AVG	Tem	o°c (+					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other					Container Type (g - glass) p - poly/plastic, ag - amber glass, v - VOA														
			-		less other arrangements are made. Hazard			_	Table 1					_	_		eport for the ana	lysis of the	above
samples is	applicable o	nly to thos	se samples r	eceived by the labora	atory with this COC. The liability of the labor	atory is limited t	o the a	amour	nt paid	d for o	n the	report	4						



Project	Information
a to the second	

Chain of Custody

	7	7
Page	10	f_/

Received by OCD: 6/24/2024 1:25:53 PM

Project. 5		onmen	tal Servi	ces	A Bill To				La	b Us	e Onl	У				TA	T	EPA P	rogram
Project: Supply Line to Remuda Basin SWO Attention: Devon I					/	Lab	WO#	~	10	Job Number			2D	3D	Standard	CWA	SDWA		
Address:					Address: City, State, Zip		to	C	<u>U-</u>				d Meth		_		×		RCRA
City, State					Phone:						- tildiy.	13 (1)	- IVICEN	T	T	T			Henry
Phone: 5	80-748-	1613	- Arrest and a second		Email:		015	8015										State	
Email: to		naoil.cor	n		Pima Project # // 9		by 8(021	09	10	0.00		ΣN	×	1 . 1	NM CO	UT AZ	TX
Report du	e by:		No. of		1 1	Lab	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	by 82	Metals 6010	Chloride 300.0			1		\propto		
	Sampled	Matrix	Containers	Sample ID		Number	DRO,	GRO,	BTEX	VOC by 8260	Meta	Chlor		BGDOC	BGDOC			Remarks	
0925	6/8/22	S	1	55-3		11								X					
0930)	55-6	/	12													
														1					
														t	1				
														+	-				
								-							-				
																	_/		
													+	+	1				
			-							_		-	-	+	+				
														Щ.					
Additiona	l Instruct	tions:													-	-			
l. (field sampl	er), attest to	the validity	and authent	icity of this sample. I ar	n aware that tampering with or intentionally mislabe	lling the sample	locatio	on,			Samples	s requiri	ing therma	preserva	ation m	ust be rec	eived on ice the day	they are sample	ed or received
			d fraud and r	may be grounds for lega	action. Sampled by: Scott	Honson					packed	in ice at	an avg ter	np above	0 but l	ess than 6	°C on subsequent d	ays.	
Relinquished	d by: (Signa	ture)	Date	-10-27 3:n	5 P M (Signatura)	#-10	7	Time	3:	1	Rece	ived	on ice:		ab U	lse Oni	ly		
Relinquished	d by: Kicha	11/1	Date	1 8 Time	Received by: (Signature)	Date 10/14	77	Time	:11	1	Т1			T	,		Т3		
Relinquished	by: (Signa	ture)	Date	Time	Received by: (Signature)	Date	<u></u>	Time	7		11			11			13		
											AVG			4					
Sample Matri	× S- Sou Sd	- Solid, Sg -	Sludge, A - A	Aqueous, O - Other	less other arrangements are made. Hazardou	Container													



Printed: 6/15/2022 2:42:24PM

Envirotech Analytical Laboratory

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.

	<u> </u>				· ·		
Client:	Pima Environmental Services-Carlsbad	Date Received:	06/14/22	11:44		Work Order ID:	E206078
Phone:	(575) 631-6977	Date Logged In:	06/14/22	11:43		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	06/17/22	17:00 (3 day TAT)			
Chain of	Custody (COC)						
1. Does t	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: U	PS .		
4. Was th	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	all samples received within holding time?	-	Yes				
	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi			г		Comment	s/Resolution
Sample 7	<u>Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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 th	ne sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample	e temperature: 4°	<u>C</u>				
Sample (<u>Container</u>						
14. Are a	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	a trip blank (TB) included for VOC analyses?		NA				
18. Are r	on-VOC samples collected in the correct containers	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field La	<u>bel</u>						
20. Were	field sample labels filled out with the minimum infe	ormation:					
	ample ID?		Yes				
	Pate/Time Collected?		Yes	_			
	Collectors name?		Yes				
	Preservation the COC or field labels indicate the samples were p	magamyad0	NI-				
		reserveu?	No				
	ample(s) correctly preserved? filteration required and/or requested for dissolved a	matale?	NA No				
	•	iletais!	No				
	ase Sample Matrix	2					
	the sample have more than one phase, i.e., multipha		No				
27. If yes	s, does the COC specify which phase(s) is to be anal	yzed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client I	<u>nstruction</u>						
							

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

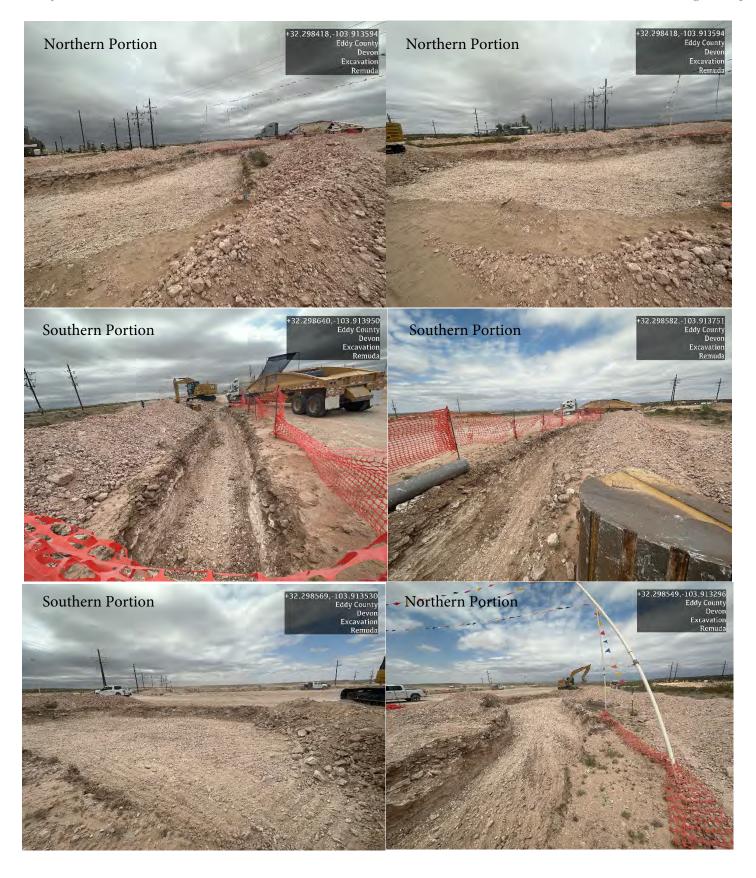
	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (High Karst)								
	DEVC	N ENERGY	- FLOWLIN	IE TO REMU	DA BASIN	SWD - nAPF	22136475	97	
Date: 6/1/22	& 6/8/22				NM Appr	oved Labora	atory Resu	lts	
Sample ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	Date	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	6/1/2022	Surface	ND	ND	ND	ND	ND	0	17300
S-1	0/1/2022	1'	ND	ND	ND	ND	ND	0	4970
3-1	6/8/2022	3'	ND	ND	ND	ND	ND	0	250
	0/0/2022	5'	ND	ND	ND	ND	ND	0	ND
	6/1/2022	Surface	ND	ND	ND	ND	ND	0	17300
S-2	0/1/2022	1'	ND	ND	ND	ND	ND	0	10200
3-2	6/8/2022	3'	ND	ND	ND	ND	ND	0	2060
	0/0/2022	5'	ND	ND	ND	ND	ND	0	ND
	6/1/2022	6"	ND	ND	ND	ND	ND	0	14000
S-3	6/8/2022	1'	ND	ND	ND	ND	ND	0	1060
3-3		3'	ND	ND	ND	ND	ND	0	633
		6'	ND	ND	ND	ND	ND	0	ND
	6/1/2022	6"	ND	ND	ND	ND	ND	0	12900
S-4	6/8/2022	2'	ND	ND	ND	ND	ND	0	1770
	6/8/2022	4'	ND	ND	ND	ND	ND	0	ND
	6/1/2022	6"	ND	ND	ND	ND	ND	0	258
S-5	6/8/2022	1'	ND	ND	ND	ND	ND	0	3710
3-3		3'	ND	ND	ND	ND	ND	0	1430
		6'	ND	ND	ND	ND	ND	0	20.9
BG-1		Surface	ND	ND	ND	ND	ND	0	57.1
BG-2		Surface	ND	ND	ND	ND	ND	0	ND
SW-1		1'	ND	ND	ND	ND	ND	0	113
SW-2		1'	ND	ND	ND	ND	ND	0	53.1
SW-3	6/1/2022	1'	ND	ND	ND	ND	ND	0	74.9
SW-4	0/1/2022	1'	ND	ND	ND	ND	ND	0	185
SW-5		1'	ND	ND	ND	ND	ND	0	42.4
SW-6		1'	ND	ND	ND	ND	ND	0	21.9
SW-7		1'	ND	ND	ND	ND	ND	0	42.6
SW-8		1'	ND	ND	ND	ND	ND	0	641

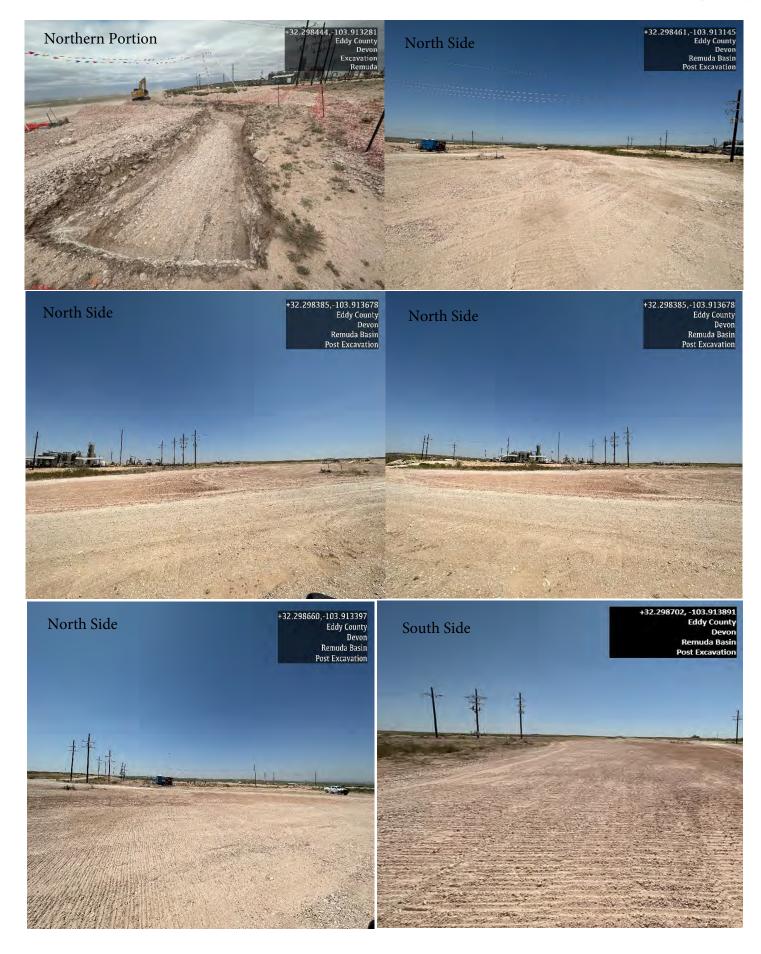


Appendix B

Photographic Documentation with Correct Labeling









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

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

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

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

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

QUESTIONS

Action 356998

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites					
Incident ID (n#)	nAPP2213647597				
Incident Name	NAPP2213647597 FLOW LINE SUPPLYING REMUDA BASIN SWD @ 0				
Incident Type	Produced Water Release				
Incident Status	Remediation Plan Received				

ocation of Release Source						
Please answer all the questions in this group.						
Site Name	FLOW LINE SUPPLYING REMUDA BASIN SWD					
Date Release Discovered	05/13/2022					
Surface Owner	Federal					

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

Nature and Volume of Release						
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.						
Crude Oil Released (bbls) Details	Not answered.					
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 5 BBL Recovered: 0 BBL Lost: 5 BBL.					
Is the concentration of chloride in the produced water >10,000 mg/l	No					
Condensate Released (bbls) Details	Not answered.					
Natural Gas Vented (Mcf) Details	Not answered.					
Natural Gas Flared (Mcf) Details	Not answered.					
Other Released Details	Not answered.					
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	The 4" ploy inlet line to the Remuda Basin SWD was struck by an unknown object cutting a gash into the line. Fluids were not in a lined/unlined containment. Fluids were not on pad. Fluids were offsite. Valves on both side of the breach were turned off thus isolating the line and stopping the leak.					

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 356998

Phone:(505) 476-3470 Fax:(505) 476-3462	
QUEST	TONS (continued)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 356998 Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i	.e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	niation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o eted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required tasses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Dale Woodall

Title: EHS Professional

Date: 06/24/2024

Email: Dale.Woodall@dvn.com

I hereby agree and sign off to the above statement

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

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

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

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

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

QUESTIONS, Page 3

Action 356998

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)	
What method was used to determine the depth to ground water	NM OSE iWaters Database Search	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between 1 and 5 (mi.)	
A subsurface mine	Between 1 and 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	High	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be prov	vided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil conta	mination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	17300	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	643	
GRO+DRO (EPA SW-846 Method 8015M)	481	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes co which includes the anticipated timelines for beginning and completing the remediation.	ompleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	07/08/2024	
On what date will (or did) the final sampling or liner inspection occur	10/08/2024	
On what date will (or was) the remediation complete(d)	10/08/2024	
What is the estimated surface area (in square feet) that will be reclaimed	0	
What is the estimated volume (in cubic yards) that will be reclaimed	0	
What is the estimated surface area (in square feet) that will be remediated	10500	
What is the estimated volume (in cubic yards) that will be remediated	1166	
These estimated dates and measurements are recognized to be the best guess or calculati	tion at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted	isted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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

QUESTIONS, Page 4

Action 356998

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 Artesia LLC LANDFARM [fEEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement

Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 06/24/2024

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

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

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

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

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

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

QUESTIONS, Page 5

Action 356998

QUESTIONS	(continued)
QUESTIONS!	COH I III I I I I C C I I

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 356998

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	302152
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/12/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	2114

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	No	

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CONDITIONS

Action 356998

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	356998
	Action Type:
	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created	By Condition	Condition Date
scwel	Remediation plan approved. Note that sampling notifications should be submitted two business days prior to confirmation sample collection, not 48 hours, pursuant to 19.15.29.12D(1)a NMAC. Resubmit report by 7/25/24.	6/25/2024