

3R-1045

CF&M Yard

Initial C-141

Final C-141

Date 2/24/17

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	CFM Oil Field Service	Contact	Jake Kalmbach
Address	37 Rd 5267 Farmington NM 87401	Telephone No.	505 632 8069
Facility Name	CFM	Facility Type	yard

Surface Owner	private	Mineral Owner		API No.	none
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	1D	29N	11W					San Juan

Latitude 36.441931 Longitude -107.583162

NATURE OF RELEASE

Type of Release	TANK Bottoms	Volume of Release	5 bbl	Volume Recovered	29 gal ³
Source of Release	Tank Bottoms	Date and Hour of Occurrence	6/15/16	Date and Hour of Discovery	6/16/16
Was Immediate Notice Given?	☐ Yes ☒ No ☐ Not Required	If YES, To Whom?			

By Whom?	Date and Hour
Was a Watercourse Reached?	If YES, Volume Impacting the Watercourse.
☐ Yes ☒ No	NA

If a Watercourse was Impacted, Describe Fully.*

NA

Describe Cause of Problem and Remedial Action Taken.* Hydro Carbons inappropriately released from vac truck in CFM yard. Hydro Carbons were removed by dig and haul method and hauled to approved land farm. All removal was witnessed and approved including testing was approved by NMOC. Company procedures were retrained

Describe Area Affected and Cleanup Action Taken.* to prevent similar occurrences in the future

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC 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.

Signature: [Signature]		OIL CONSERVATION DIVISION	
Printed Name: Jake Kalmbach		Approved by Environmental Specialist: [Signature]	
Title: General Manager		Approval Date: 8/1/2016	Expiration Date:
E-mail Address: johnjake@questoffice.net		Conditions of Approval:	Attached ☐
Date: 8-23-16 Phone: 505 632 8069		NVF1624635197	

* Attach Additional Sheets If Necessary

Sample Area For
8015 E, 8001

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

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Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company	CFM Oil Field Service Inc.	Contact	John JAKE KALNBACH
Address	37 Rd 5267 Farmington NM 87401	Telephone No.	505 632 8069
Facility Name	CFM	Facility Type	Yard
Surface Owner	private	Mineral Owner	
		API No.	none

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	10	29N	11N					San Juan

Latitude 36.441931 Longitude -107.583162

NATURE OF RELEASE

Type of Release	TANK BOTTOMS	Volume of Release	5 BBL	Volume Recovered	29 yd ³
Source of Release	TANK BOTTOMS	Date and Hour of Occurrence	6-15-16	Date and Hour of Discovery	6-16-16
Was Immediate Notice Given?	☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	76		
By Whom?	Date and Hour				
Was a Watercourse Reached?	☐ Yes ☐ No	If YES, Volume Impacting the Watercourse.	NA		

If a Watercourse was Impacted, Describe Fully.*

NA

Describe Cause of Problem and Remedial Action Taken.*

NA

Describe Area Affected and Cleanup Action Taken.*

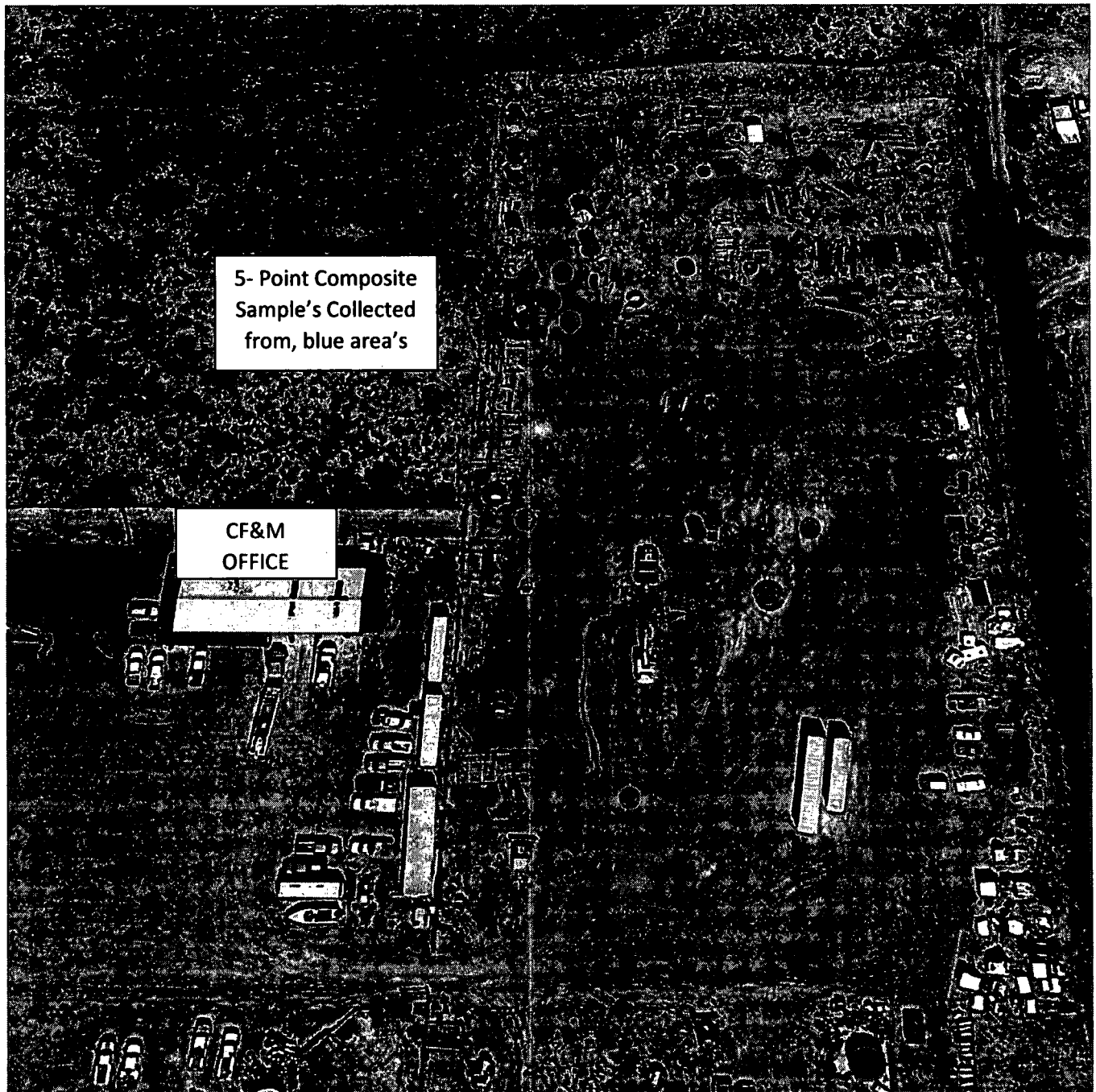
NMOC. Analytical results Final sampling event witnessed by below regulatory standards. No further work required.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC 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.

Signature:	OIL CONSERVATION DIVISION		
Printed Name:	John "Jake" Kalnbach	Approved by Environmental Specialist:	
Title:	General Manager	Approval Date:	9/2/2016
E-mail Address:	john-jake@questfire.net	Expiration Date:	
Date:	9-2-16	Conditions of Approval:	Attached ☐
Phone:	505 632 8069	NVE 1624638197	

* Attach Additional Sheets If Necessary

CF&M Facility





Analytical Report

Report Summary

Client: CF & M Trucking
Chain Of Custody Number:
Samples Received: 7/5/2016 10:53:00AM
Job Number: 16048-C-0001
Work Order: P607016
Project Name/Location: Yard

Report Reviewed By:

A handwritten signature in dark ink, appearing to read 'Walter Hinchman', written over a horizontal line.

Date: 7/13/16

Walter Hinchman, Laboratory Director

A handwritten signature in dark ink, appearing to read 'Tim Cain', written over a horizontal line.

Date: 7/13/16

Tim Cain, Quality Assurance Officer

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
R01 NW Base 5 point	P607016-01A	Solid	07/05/16	07/05/16	Glass Jar, 4 oz.
R02 NE Base 5 point	P607016-02A	Solid	07/05/16	07/05/16	Glass Jar, 4 oz.
R03 Middle Base 5 point	P607016-03A	Solid	07/05/16	07/05/16	Glass Jar, 4 oz.
R04 SE Base 5 point	P607016-04A	Solid	07/05/16	07/05/16	Glass Jar, 4 oz.
R05 SW Base 5 point	P607016-05A	Solid	07/05/16	07/05/16	Glass Jar, 4 oz.

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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

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laboratory@envirotech-inc.com



CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	13-Jul-16 14:14
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**R01 NW Base 5 point
P607016-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatle Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %		50-150	1628009	07/06/16	07/06/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8015D	
Diesel Range Organics (C10-C28)	72.8	25.0	mg/kg	1	1628016	07/07/16	07/07/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %		50-150	1628009	07/06/16	07/06/16	EPA 8015D	
Surrogate: n-Nonane		93.9 %		50-200	1628016	07/07/16	07/07/16	EPA 8015D	

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

**R02 NE Base 5 point
P607016-02 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.6 %		50-150	1628009	07/06/16	07/06/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8015D	
Diesel Range Organics (C10-C28)	78.7	25.0	mg/kg	1	1628016	07/07/16	07/07/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-PID		99.2 %		50-150	1628009	07/06/16	07/06/16	EPA 8015D	
Surrogate: n-Nonane		97.2 %		50-200	1628016	07/07/16	07/07/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	13-Jul-16 14:14
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**R03 Middle Base 5 point
P607016-03 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %		50-150	1628009	07/06/16	07/06/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8015D	
Diesel Range Organics (C10-C28)	220	25.0	mg/kg	1	1628016	07/07/16	07/07/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %		50-150	1628009	07/06/16	07/06/16	EPA 8015D	
Surrogate: n-Nonane		94.7 %		50-200	1628016	07/07/16	07/07/16	EPA 8015D	

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

R04 SE Base 5 point
P607016-04 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %		50-150	1628009	07/06/16	07/06/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8015D	
Diesel Range Organics (C10-C28)	503	25.0	mg/kg	1	1628016	07/07/16	07/07/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %		50-150	1628009	07/06/16	07/06/16	EPA 8015D	
Surrogate: n-Nonane		96.3 %		50-200	1628016	07/07/16	07/07/16	EPA 8015D	

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

**R05 SW Base 5 point
P607016-05 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.5 %		50-150	1628009	07/06/16	07/06/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1628009	07/06/16	07/06/16	EPA 8015D	
Diesel Range Organics (C10-C28)	292	25.0	mg/kg	1	1628016	07/07/16	07/07/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		103 %		50-150	1628009	07/06/16	07/06/16	EPA 8015D	
Surrogate: n-Nonane		96.5 %		50-200	1628016	07/07/16	07/07/16	EPA 8015D	

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37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1628009 - Purge and Trap EPA 5030A

Blank (1628009-BLK1)

Prepared & Analyzed: 06-Jul-16

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							

Surrogate: 4-Bromochlorobenzene-PID 0.158 " 0.160 99.0 50-150

LCS (1628009-BS1)

Prepared & Analyzed: 06-Jul-16

Benzene	11.6	0.10	mg/kg	10.0		116	70-130			
Toluene	11.4	0.10	"	10.0		114	70-130			
Ethylbenzene	11.5	0.10	"	10.0		115	70-130			
p,m-Xylene	22.9	0.20	"	20.0		114	70-130			
o-Xylene	11.2	0.10	"	10.0		112	70-130			

Surrogate: 4-Bromochlorobenzene-PID 0.160 " 0.160 99.8 50-150

Matrix Spike (1628009-MS1)

Source: P607016-01

Prepared & Analyzed: 06-Jul-16

Benzene	12.1	0.10	mg/kg	10.0	ND	121	54.3-133			
Toluene	11.9	0.10	"	10.0	ND	120	61.4-130			
Ethylbenzene	12.0	0.10	"	10.0	ND	120	61.4-133			
p,m-Xylene	23.9	0.20	"	20.0	ND	120	63.3-131			
o-Xylene	11.7	0.10	"	10.0	ND	117	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 0.159 " 0.160 99.1 50-150

Matrix Spike Dup (1628009-MSD1)

Source: P607016-01

Prepared & Analyzed: 06-Jul-16

Benzene	11.3	0.10	mg/kg	10.0	ND	113	54.3-133	6.66	20	
Toluene	11.2	0.10	"	10.0	ND	112	61.4-130	6.52	20	
Ethylbenzene	11.3	0.10	"	10.0	ND	113	61.4-133	6.41	20	
p,m-Xylene	22.4	0.20	"	20.0	ND	112	63.3-131	6.44	20	
o-Xylene	11.0	0.10	"	10.0	ND	110	63.3-131	6.19	20	

Surrogate: 4-Bromochlorobenzene-PID 0.159 " 0.160 99.2 50-150

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laboratory@envirotech-inc.com



CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1628009 - Purge and Trap EPA 5030A										
Blank (1628009-BLK1)				Prepared & Analyzed: 06-Jul-16						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.161		"	0.160		101	50-150			
LCS (1628009-BS1)				Prepared & Analyzed: 06-Jul-16						
Gasoline Range Organics (C6-C10)	129	20.0	mg/kg	122		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.160		"	0.160		100	50-150			
Matrix Spike (1628009-MS1)				Source: P607016-01	Prepared & Analyzed: 06-Jul-16					
Gasoline Range Organics (C6-C10)	133	20.0	mg/kg	122	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.157		"	0.160		98.2	50-150			
Matrix Spike Dup (1628009-MSD1)				Source: P607016-01	Prepared & Analyzed: 06-Jul-16					
Gasoline Range Organics (C6-C10)	131	20.0	mg/kg	122	ND	108	70-130	1.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.165		"	0.160		103	50-150			

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1628016 - DRO Extraction EPA 3550M										
Blank (1628016-BLK1)				Prepared & Analyzed: 07-Jul-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	46.7		"	50.0		93.3	50-200			
LCS (1628016-BS1)				Prepared & Analyzed: 07-Jul-16						
Diesel Range Organics (C10-C28)	451	25.0	mg/kg	500		90.2	38-132			
Surrogate: n-Nonane	48.1		"	50.0		96.2	50-200			
Matrix Spike (1628016-MS1)				Source: P607016-01	Prepared & Analyzed: 07-Jul-16					
Diesel Range Organics (C10-C28)	507	25.0	mg/kg	500	72.8	86.9	38-132			
Surrogate: n-Nonane	45.3		"	50.0		90.5	50-200			
Matrix Spike Dup (1628016-MSD1)				Source: P607016-01	Prepared & Analyzed: 07-Jul-16					
Diesel Range Organics (C10-C28)	505	25.0	mg/kg	500	72.8	86.5	38-132	0.385	20	
Surrogate: n-Nonane	43.8		"	50.0		87.6	50-200			

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
13-Jul-16 14:14

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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Client: CFM Trucking
 Project: Yard
 Sampler: Jackie Crowder
 Phone: 632-3077
 Email(s): cfm@cfmwestoffice.net
 Project Manager: Gerry Foxworth

RUSH?

☐ 1d
☐ 3d

Lab Use Only		Analysis and Method								Lab Only		
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS			Lab Number	Correct cont/Presv (s)/N
P607016												
Job Number												
16048-G-0001												

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPER/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS			Lab Number	Correct cont/Presv (s)/N
R01 NW ^{Base} Spot	7/5/16	10:16		1 4oz	X	X								1	4
R02 NE Base Spot	7/5/16	10:15		1 4oz	X	X								2	1
R03 Middle Base Spot	7/5/16	10:13		1 4oz	X	X								3	1
R04 SE Base Spot	7/5/16	10:10		1 4oz	X	X								4	1
R05 SW Base Spot	7/5/16	10:09		1 4oz	X	X								5	1

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
	7/5/16	1058		7/5/16	1053	**Received on Ice Y/N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3	
						AVG Temp °C 4.0	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass

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

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing Info:



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Analytical Report

Report Summary

Client: CF & M Trucking

Chain Of Custody Number:

Samples Received: 6/20/2016 9:50:00AM

Job Number: 16048-C-0001

Work Order: P606066

Project Name/Location: Yard

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', written over a horizontal line.

Walter Hinchman, Laboratory Director

Date: 6/28/16

A handwritten signature in black ink, appearing to read 'Tim Cain', written over a horizontal line. To the right of the signature are the initials 'TC'.

Tim Cain, Quality Assurance Officer

Date: 6/28/16

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
28-Jun-16 16:16

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW Wall Excavation Area Yard	P606066-01A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
NE Wall Excavation Area Yard	P606066-02A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
Excavation Base Yard	P606066-03A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
Yard NE Scrape 5-point	P606066-04A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
NW Scrape Yard 5-point	P606066-05A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
SE Scrape Yard 5-point	P606066-06A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
Central Center Yard 5-point	P606066-07A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
SW Scrape Yard 5-point	P606066-08A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.
Spoile Pile Yard Scrape	P606066-09A	Soil	06/20/16	06/20/16	Glass Jar, 4 oz.

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CF & M Trucking 37 CR 5267 Farmington NM, 87401	Project Name: Yard Project Number: 16048-C-0001 Project Manager: Gerry Foxwell	Reported: 28-Jun-16 16:16
---	--	------------------------------

**SW Wall Excavation Area Yard
P606066-01 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		77.2 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**NE Wall Excavation Area Yard
P606066-02 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	0.31	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	0.31	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	0.31	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.2 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	60.3	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		81.4 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

Excavation Base Yard
P606066-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.1 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-PID		91.3 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		80.9 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**Yard NE Scrape 5-point
P606066-04 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		98.0 %		50-150		1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	1860	25.0	mg/kg	1		1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.7 %		50-150		1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		81.4 %		50-200		1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**NW Scrape Yard 5-point
P606066-05 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatle Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.9 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	428	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		80.4 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**SE Scrape Yard 5-point
P606066-06 (Solid)**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Volatile Organics by EPA 8021										
Benzene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %		50-150		1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015										
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1		1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	2640	25.0	mg/kg	1		1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %		50-150		1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		81.8 %		50-200		1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M. Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

**Central Center Yard 5-point
P606066-07 (Solid)**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	1090	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		86.3 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
28-Jun-16 16:16

SW Scape Yard 5-point
P606066-08 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8015D	
Diesel Range Organics (C10-C28)	1430	25.0	mg/kg	1	1626017	06/22/16	06/24/16	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %		50-150	1626013	06/23/16	06/23/16	EPA 8015D	
Surrogate: n-Nonane		83.6 %		50-200	1626017	06/22/16	06/24/16	EPA 8015D	

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CF & M. Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

Spoile Pile Yard Scrape
P606066-09 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
p,m-Xylene	0.27	0.20	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total Xylenes	0.27	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Total BTEX	0.27	0.10	mg/kg	1	1626013	06/23/16	06/23/16	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		100 %		50-150	1626013	06/23/16	06/23/16	EPA 8021B	
TCLP Metals									
Arsenic	ND	0.05	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Barium	2.22	0.50	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Cadmium	ND	0.01	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Chromium	ND	0.05	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Lead	ND	0.02	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Selenium	ND	0.05	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
Silver	ND	0.03	mg/L	1	1626027	06/24/16	06/27/16	EPA 6010C	
TCLP Mercury by EPA 7470A									
Mercury	ND	0.0002	mg/L	1	1626026	06/24/16	06/27/16	EPA 7470A	

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CF & M Trucking 37 CR 5267 Farmington NM, 87401	Project Name: Yard Project Number: 16048-C-0001 Project Manager: Gerry Foxwell	Reported: 28-Jun-16 16:16
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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1626013 - Purge and Trap EPA 5030A										
Blank (1626013-BLK1)				Prepared & Analyzed: 23-Jun-16						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.159		"	0.160		99.2	50-150			
LCS (1626013-BS1)				Prepared & Analyzed: 23-Jun-16						
Benzene	11.6	0.10	mg/kg	10.0		116	70-130			
Toluene	11.7	0.10	"	10.0		117	70-130			
Ethylbenzene	11.8	0.10	"	10.0		118	70-130			
p,m-Xylene	23.5	0.20	"	20.0		118	70-130			
o-Xylene	11.5	0.10	"	10.0		115	70-130			
Surrogate: 4-Bromochlorobenzene-PID	0.160		"	0.160		100	50-150			
Matrix Spike (1626013-MS1)				Source: P606066-01	Prepared & Analyzed: 23-Jun-16					
Benzene	11.1	0.10	mg/kg	10.0	ND	111	54.3-133			
Toluene	11.1	0.10	"	10.0	ND	111	61.4-130			
Ethylbenzene	11.2	0.10	"	10.0	ND	112	61.4-133			
p,m-Xylene	22.2	0.20	"	20.0	ND	111	63.3-131			
o-Xylene	10.9	0.10	"	10.0	ND	109	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	0.160		"	0.160		100	50-150			
Matrix Spike Dup (1626013-MSD1)				Source: P606066-01	Prepared & Analyzed: 23-Jun-16					
Benzene	11.4	0.10	mg/kg	10.0	ND	114	54.3-133	2.84	20	
Toluene	11.4	0.10	"	10.0	ND	114	61.4-130	2.93	20	
Ethylbenzene	11.5	0.10	"	10.0	ND	115	61.4-133	3.06	20	
p,m-Xylene	22.9	0.20	"	20.0	ND	114	63.3-131	3.02	20	
o-Xylene	11.2	0.10	"	10.0	ND	112	63.3-131	2.93	20	
Surrogate: 4-Bromochlorobenzene-PID	0.158		"	0.160		98.5	50-150			

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
28-Jun-16 16:16

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1626013 - Purge and Trap EPA 5030A										
Blank (1626013-BLK1)				Prepared & Analyzed: 23-Jun-16						
Gasoline Range Organics (C6-C10)	ND	10.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.142		"	0.160		88.4	50-150			
LCS (1626013-BS1)				Prepared & Analyzed: 23-Jun-16						
Gasoline Range Organics (C6-C10)	118	10.0	mg/kg	122		96.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.139		"	0.160		87.2	50-150			
Matrix Spike (1626013-MS1)				Source: P606066-01	Prepared & Analyzed: 23-Jun-16					
Gasoline Range Organics (C6-C10)	118	10.0	mg/kg	122	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.149		"	0.160		92.9	50-150			
Matrix Spike Dup (1626013-MSD1)				Source: P606066-01	Prepared & Analyzed: 23-Jun-16					
Gasoline Range Organics (C6-C10)	117	10.0	mg/kg	122	ND	95.9	70-130	1.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	0.143		"	0.160		89.1	50-150			

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1626017 - DRO Extraction EPA 3550M										
Blank (1626017-BLK1)				Prepared: 22-Jun-16 Analyzed: 24-Jun-16						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: n-Nonane	44.9		"	50.0		89.8	50-200			
LCS (1626017-BS1)				Prepared: 22-Jun-16 Analyzed: 24-Jun-16						
Diesel Range Organics (C10-C28)	371	25.0	mg/kg	500		74.3	38-132			
Surrogate: n-Nonane	37.7		"	50.0		75.3	50-200			
Matrix Spike (1626017-MS1)				Source: P606066-01		Prepared: 22-Jun-16 Analyzed: 24-Jun-16				
Diesel Range Organics (C10-C28)	383	25.0	mg/kg	500	ND	76.7	38-132			
Surrogate: n-Nonane	39.9		"	50.0		79.9	50-200			
Matrix Spike Dup (1626017-MSD1)				Source: P606066-01		Prepared: 22-Jun-16 Analyzed: 24-Jun-16				
Diesel Range Organics (C10-C28)	369	25.0	mg/kg	500	ND	73.7	38-132	3.90	20	
Surrogate: n-Nonane	37.1		"	50.0		74.2	50-200			

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
28-Jun-16 16:16

TCLP Metals - Quality Control
Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1626027 - Metal Water Digestion EPA 3015A										
LCS (1626027-BS1)				Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Arsenic	0.94	0.05	mg/L	1.00		94.3	80-120			
Barium	1.02	0.50	"	1.00		102	80-120			
Cadmium	0.98	0.01	"	1.00		97.9	80-120			
Chromium	1.00	0.05	"	1.00		99.7	80-120			
Lead	0.95	0.02	"	1.00		94.6	80-120			
Selenium	0.95	0.05	"	1.00		94.7	80-120			
Silver	0.84	0.03	"	1.00		84.1	80-120			
Matrix Spike (1626027-MS1)		Source: P606066-09		Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Arsenic	8.71	0.45	mg/L	9.00	ND	96.8	75-125			SPK1
Barium	11.5	0.90	"	9.00	2.22	103	75-125			
Cadmium	8.87	0.09	"	9.00	ND	98.5	75-125			
Chromium	9.12	0.45	"	9.00	ND	101	75-125			
Lead	8.52	0.18	"	9.00	ND	94.7	75-125			
Selenium	8.81	0.45	"	9.00	ND	97.9	75-125			
Silver	8.31	0.27	"	9.00	ND	92.3	75-125			
Matrix Spike Dup (1626027-MSD1)		Source: P606066-09		Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Arsenic	8.98	0.45	mg/L	9.00	ND	99.7	75-125	2.97	20	SPK1
Barium	11.6	0.90	"	9.00	2.22	104	75-125	0.953	20	
Cadmium	9.11	0.09	"	9.00	ND	101	75-125	2.70	20	
Chromium	8.95	0.45	"	9.00	ND	99.5	75-125	1.83	20	
Lead	8.74	0.18	"	9.00	ND	97.1	75-125	2.54	20	
Selenium	9.02	0.45	"	9.00	ND	100	75-125	2.38	20	
Silver	8.22	0.27	"	9.00	ND	91.3	75-125	1.11	20	
Blank (1626027-BLK2)				Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Arsenic	ND	0.05	mg/L							
Barium	ND	0.50	"							
Cadmium	ND	0.01	"							
Chromium	ND	0.05	"							
Lead	ND	0.02	"							
Selenium	ND	0.05	"							
Silver	ND	0.03	"							

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CF & M Trucking	Project Name:	Yard	Reported:
37 CR 5267	Project Number:	16048-C-0001	28-Jun-16 16:16
Farmington NM, 87401	Project Manager:	Gerry Foxwell	

TCLP Mercury by EPA 7470A - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1626026 - Mercury Water Digestion KMNO4										
LCS (1626026-BS1)				Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Mercury	0.002	0.0002	mg/L	0.00229		98.6	80-120			
Matrix Spike (1626026-MS1)				Source: P606066-09 Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Mercury	0.002	0.0002	mg/L	0.00229	ND	102	75-125			
Matrix Spike Dup (1626026-MSD1)				Source: P606066-09 Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Mercury	0.002	0.0002	mg/L	0.00229	ND	101	75-125	0.286	15	
Blank (1626026-BLK2)				Prepared: 24-Jun-16 Analyzed: 27-Jun-16						
Mercury	ND	0.0002	mg/L							

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CF & M Trucking
37 CR 5267
Farmington NM, 87401

Project Name: Yard
Project Number: 16048-C-0001
Project Manager: Gerry Foxwell

Reported:
28-Jun-16 16:16

Notes and Definitions

SPK1 The spike recovery is outside of quality control limits.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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Client: CFSM TRUCKING
 Project: YARD
 Sampler:
 Phone: 632 806 9
 Email(s):
 Project Manager: GERRY FOXWELL

RUSH?

1d

3d

Lab Use Only		Analysis and Method						Lab Only		
Lab WO#		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/PSV (Y/N)
Job Number										
16048-C-0001										
P606066										

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/PSV (Y/N)
SW Wall Excavation area Yard	6/20/16	8:30		1 4oz	X							1	Y
NE Wall Excavation area Yard	6/20/16	8:34		1 4oz	X							2	Y
Excavation Base Yard	6/20/16	8:35		1 4oz	X							3	Y
Yard NE Scrape 5-point	6/20/16	8:41		1 4oz	X							4	Y
NW Scrape Yard 5-point	6/20/16	8:45		1 4oz	X							5	Y
SE Scrape Yard 5-point	6/20/16	8:51		1 4oz	X							6	Y
Central Center Yard 5-point	6/20/16	8:55		1 4oz	X							7	Y
SW Scrape Yard 5-point	6/20/16	8:47am		1 4oz	X							8	Y
Sp. 6 Pile Yard Scrape	6/20/16	8:55am		1 4oz	X							9	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
	6/20/16	9:50		6/24/16	9:50	**Received on Ice (Y/N)
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
						AVG Temp °C 40.0

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

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

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

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing Info:

visible ice in cooler -AY



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Sample Receipt Checklist (SRC)

Instructions:

The sample receipt checklist (SRC) is a document summarizing the COC upon sample login and documents any non-conformance items that are identified during the sample login process. The SRC is sent to the client after sample login to review any sample nonconformance items. If the COC and/or SRC does not initiate changes to the COC within one day, that is confirmation the COC is correct without error and confirmation that any non-conformance samples documented on the SRC are acceptable to run.

Note: Samples dropped off by the client which does not initiate changes is also confirmation the COC is correct without error and any non-conformance samples documented on the SRC are acceptable to run.

Work Order ID:

P607016
632-3077

Date Received:

7/5/16
C. Matis Request
office.net

Client POC:

G. Foxwell
TKT

Client Phone No:

Email address:

SCO initials:

1) COC

- Does the sample ID match the COC?
- Does the number of samples per sampling site location match the COC?
- Were samples dropped off by the client
or were samples received by carrier and which carrier?
- Was the COC complete, i.e., signatures, dates/times, requested analyses?
- Were samples received within the method specified holding time
or is there sufficient holding time left to conduct analysis as standard TAT?

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

Y N
Y N
Y N
Y N
Y N
Y N

Carrier name:

n/a

2) Sample TAT

- Did the COC indicate standard TAT, or expedited TAT?
Standard 6-day TAT: 24-hr rush □; 48-hr rush □; 72-hr rush □

Y N

3) Sample Cooler

- Was the sample cooler received in good condition?
- Was the sample(s) received in tact, i.e., not broken?
- Was the sample cooler received with custody/security seals intact?
- Were samples received with custody/security seals intact?
- Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6±2°C
Note: Thermal preservation is not required, if samples are received w/ 15 minutes of sampling
- If no visible ice, record the temperature. Actual sample temperature.

Y N
Y N
Y N
Y N
Y N

Temperature:

4) Sample Container

- Are VOC samples collected in VOA Vials?
- Is the head space less than 6-8 mm (pea sized or less)?
- Was a trip blank (TB) included for VOC analyses?
- Are non-VOC samples collected in the correct containers?
- Is the appropriate volume/weight or number of sample containers collected?

Y N
Y N
Y N
Y N
Y N

5) Field Labels

- Were field sample labels filled out with minimum information:
Sample ID □ Date/time collected □ Collectors name □

Y N

6) Preservation

- Does the COC or field labels indicate the samples were preserved?
- Were VOCs preserved with 1:1 HCl?
- Are IOC/WET correctly preserved with H₂SO₄ or method prescribed preservative?
- Is lab filtration required and/or requested for dissolved metals?
- Are metals preserved with 5N (1:1) HNO₃?

Y N
Y N
Y N
Y N
Y N

7) Multiphase Matrix

- Does the sample have more than one phase, i.e., multiphase?
- If so, does the COC specify which phase(s) is to be analyzed?

Y N
Y N

8) Subcontract Lab

- Was a subcontract laboratory specified by the client and if so who?
- No specified laboratory by client. Subcontract laboratory is:

Y N

Client Instructions:

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

Date:

Client: CFSM TRUCKING
 Project: YARD
 Sampler:
 Phone: 632 806 9
 Email(s):
 Project Manager: GERRY FOXWELL

RUSH?

☐ 1d
☐ 3d

Lab Use Only		Analysis and Method						Lab Only		
Lab WOH		GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/Prsv (S)/N
Job Number										
16048 C-0001										
P606066										

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Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTX by 8021	TPH by 418.1	Chloride by 300.0	TCLP Metals	CO Table 910-1	TDS	Lab Number	Correct Cont/Prsv (S)/N
SW Wall Excavation area Yard	6/20/16	8:30		1 4oz	X							1	Y
NE Wall Excavation area Yard	6/20/16	8:34		1 4oz	X							2	Y
Excavation Base Yard	6/20/16	8:35		1 4oz	X							3	Y
Yard NE Scrape 5-point	6/20/16	8:41		1 4oz	X							4	Y
NW Scrape Yard 5-point	6/20/16	8:45		1 4oz	X							5	Y
SE Scrape Yard 5-point	6/20/16	8:51		1 4oz	X							6	Y
Central Center Yard 5-point	6/20/16	8:55		1 4oz	X							7	Y
SW Scrape Yard 5-point	6/20/16	8:47am		1 4oz	X							8	Y
Sp. 6 Pile Yard Scrape	6/20/16	8:55am		1 4oz	X							9	Y

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only	
	6/20/16	9:50		6/20/16	9:50	**Received on Ice (Y)/N	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3	
						AVG Temp: C 40.0	

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

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

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

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

visible ice in cooler -AY



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Lab Use Only	Analysis and Method							Lab Only
Lab WO#	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	TCIP Metals	CO Table 910-1	TDS	Lab Number
P607016								
Job Number								
16048-C-0001								
of								Correct Cont/Prsm(s) Y/N
Containers								
QTY - Vol/TYPE/Preservative								

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____		Container Type: g - glass, p - poly/plastic, ag - amber glass	
**Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
<input style="width: 100%;" type="checkbox"/>	Sample(s) dropped off after hours to a secure drop off area.	Chain of Custody	Notes/Billing info:

Sample Receipt Checklist (SRC)

Instructions:

The sample receipt checklist (SRC) is a document summarizing the COC upon sample login and documents any non-conformance items that are identified during the sample login process. The SRC is sent to the client after sample login to review any sample nonconformance items. If the COC and/or SRC does not initiate changes to the COC within one day, that is confirmation the COC is correct without error and confirmation that any non-conformance samples documented on the SRC are acceptable to run.
Note: Samples dropped off by the client which does not initiate changes is also confirmation the COC is correct without error and any non-conformance samples documented on the SRC are acceptable to run.

Work Order ID:

P606066

Date Received

06/20/16

Client POC:

John Kalmbach

Client Phone No:

(505) 632 8069

Email address:

john.jake@guestoffice.net
cf.mofs@guestoffice.net

SCO Initials:

any

Lab/Client

Comments/Resolution

1) COC

- a) Does the sample ID match the COC?
- b) Does the number of samples per sampling site location match the COC?
- c) Were samples dropped off by the client
or were samples received by carrier and which carrier?
- d) Was the COC complete, i.e., signatures, dates/times, requested analyses?
- e) Were samples received within the method specified holding time
or is there sufficient holding time left to conduct analysis as standard TAT?

Y N
Y N
Y N
Y N
Y N
Y N

Carrier name:

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

2) Sample TAT

- a) Did the COC indicate standard TAT, or expedited TAT?
Standard 6-day TAT ☒ 24-hr rush ☐ 48-hr rush ☐ 72-hr rush ☐

Y N

3) Sample Cooler

- a) Was the sample cooler received in good condition?
- b) Was the sample(s) received in tact, i.e., not broken?
- c) Was the sample cooler received with custody/security seals intact?
- d) Were samples received with custody/security seals intact?
- e) Was the sample received on ice? If yes, the recorded temp is 4°C i.e., 6±2°C
Note: Thermal preservation is not required, if samples are received w/ 15 minutes of sampling
- f) If no visible ice, record the temperature. Actual sample temperature.

Y N
Y N
Y N
Y N
Y N

NA
NA

4.0°C

Temperature:

4) Sample Container

- a) Are VOC samples collected in VOA Vials?
- b) Is the head space less than 6-8 mm (pea sized or less)?
- c) Was a trip blank (TB) included for VOC analyses?
- d) Are non-VOC samples collected in the correct containers?
- e) Is the appropriate volume/weight or number of sample containers collected?

Y N
Y N
Y N
Y N
Y N

NA
NA
NA
NA

5) Field Labels

- a) Were field sample labels filled out with minimum information:
Sample ID ☒ Date/time collected ☒ Collectors name ☒

Y N

6) Preservation

- a) Does the COC or field labels indicate the samples were preserved?
- b) Were VOCs preserved with 1:1 HCl?
- c) Are IOC/WET correctly preserved with H₂SO₄ or method prescribed preservative?
- d) Is lab filtration required and/or requested for dissolved metals?
- e) Are metals preserved with 5N (1:1) HNO₃?

Y N
Y N
Y N
Y N
Y N

NA
NA
NA
NA
NA

7) Multiphase Matrix

- a) Does the sample have more than one phase, i.e., multiphase?
- b) If so, does the COC specify which phase(s) is to be analyzed?

Y N
Y N

8) Subcontract Lab

- a) Was a subcontract laboratory specified by the client and if so who?
- b) No specified laboratory by client. Subcontract laboratory is:

Y N

NA

Client Instructions:

Signature of client authorizing changes to the COC or sample disposition

