

From: Joel Lowry <jwlowry@basinenv.com>
Sent: Wednesday, October 10, 2012 10:36 AM
To: Leking, Geoffrey R, EMNRD
Cc: Rose Slade
Subject: Trunk "O" #3 Historical Release (RP-1509) - Permission to Backfill
Attachments: Attachments.pdf; AnalyticalsReports(Condensed).pdf

OCT 10 2012**RECEIVED**

Mr. Leking,

This email has been prepared in regard to the Trunk "O" #3 (RP-1509) Historical release site. The release site is located on property owned by the Mathew Casey; the depth to groundwater is approximately 150' bgs.

The release was discovered July 7, 2007 and reported to the NMOCD August 2, 2007. The initial C-141 indicated approximately 50 bbls of fluid was released, impacting approximately 5,100 sq. ft. of pasture land and 3,672 sq. ft. of caliche lease road.

On September 10, 2012, Basin Environmental responded to the release site and excavated the impacted medium. The excavation floor and sidewalls were advanced until field tests indicated concentrations of chloride, BTEX and TPH were below NMOCD regulatory remediation action levels established for the site. Excavated material was stockpiled on-site pending final disposition.

On September 14, 2012, Basin collected fifteen (15) confirmation soil samples from the excavation floor and sidewalls for analysis of BTEX, TPH and chloride concentrations. Laboratory analytical results indicated BTEX constituent concentrations were less than the appropriate laboratory method detection limit (MDL) in each of the submitted soil samples. Analytical results indicated TPH concentrations were below NMOCD regulatory remediation action levels in each of the submitted soil samples. Analytical results indicated chloride concentrations were below NMOCD regulatory remediation action levels in each of the submitted soil samples, with the exception of soil sample "A Floor", which had a chloride concentration of 1,800 mg/Kg.

In addition, two (2) composite soil samples (A Stockpile and B Stockpile) were collected from the on-site stockpiled material for analysis of BTEX, TPH and chloride concentrations. Analytical results indicated BTEX concentrations were less than the laboratory MDL. TPH concentrations ranged from 1,138.2 mg/Kg for soil sample A Stockpile to 292 mg/Kg for soil sample B Stockpile. Chloride concentrations ranged from 229 mg/Kg for soil sample "A Stockpile" to 80.3 mg/Kg for soil sample "B Stockpile".

On October 1, 2012, the floor of "Excavation A" was advanced an additional foot. One (1) soil sample (A Floor @ 4') was collected from the floor of "Excavation A" and submitted to the laboratory for analysis of chloride concentrations. Laboratory analytical results indicated the chloride concentration within the newly advanced floor was 477 mg/Kg. Based on laboratory analytical reports, it was determined that the floor of the excavation had been sufficiently advanced, but further delineation was necessary. Material generated from the advancement of the floor of "Excavation A" was blended with the existing stockpiled material. One five-point composite stockpile soil sample was collected and field screened for concentrations of chloride. Field test indicated the chloride concentration was less than 250 mg/Kg.

On October 3, 2012, the Southeast corner of "Excavation A" was advanced an additional foot. One soil sample (A Floor @ 5') was collected and submitted to the laboratory for analysis of chloride

concentrations. Laboratory analytical results indicated the chloride concentration was 10.0 mg/Kg. Based on laboratory analytical reports, it was determined that vertical delineation had been achieved.

With your permission, Southern Union would like to backfill the excavation with the on-site stockpiled soil. On completion, Southern Union will submit a "Remediation Summary & Site Closure Request" to the NMOCD and the landowner, documenting remediation activities and results from confirmation soil samples.

For your convenience, a site/sample location map, soil chemistry table and laboratory analytical results are attached.

Respectfully,

Joel Lowry

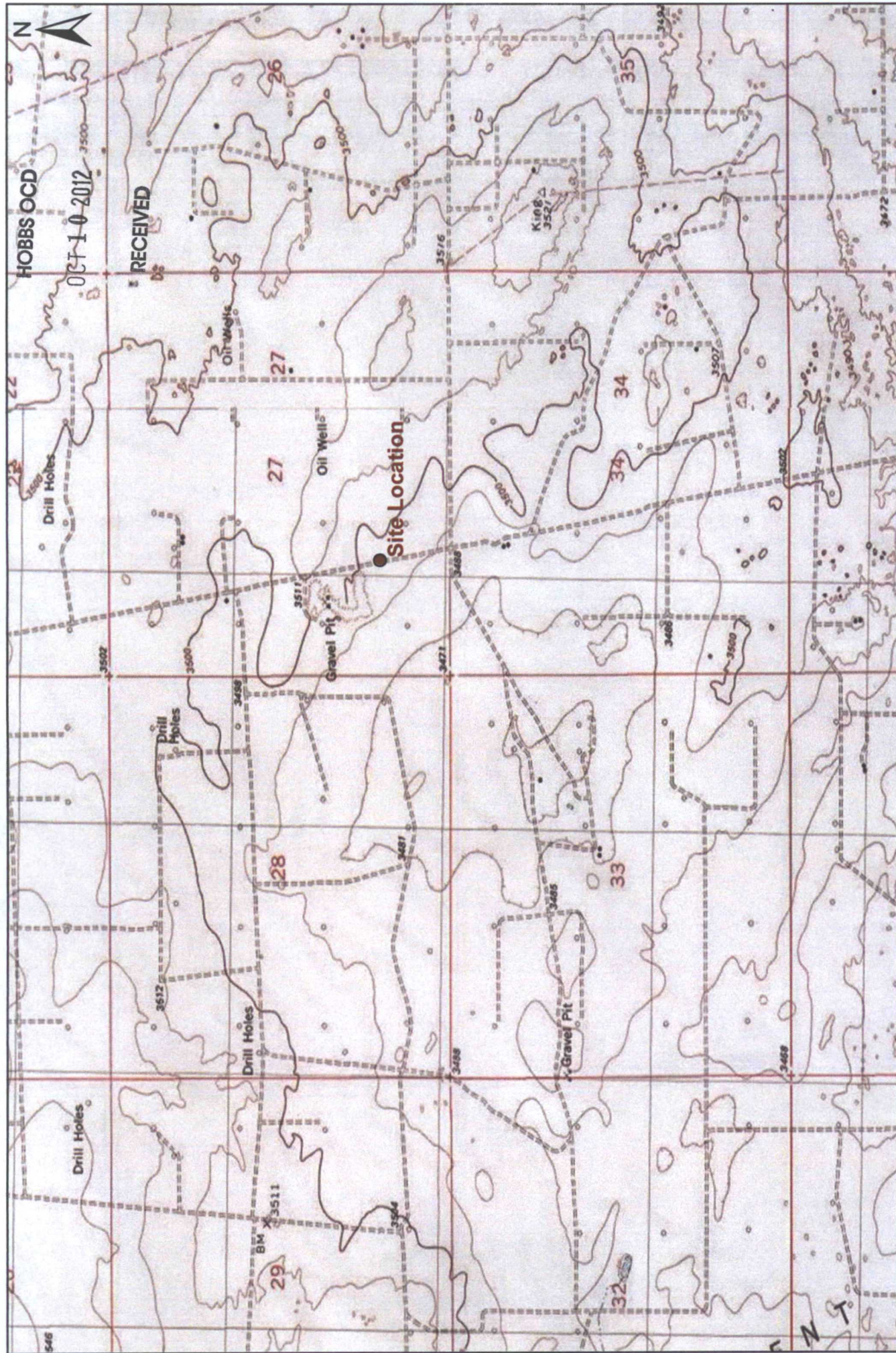


Figure 1
Site Location Map
Southern Union Gas Services
Trunk "O" #3
Lea County, New Mexico
NMOCD Reference #: 1RP-1509

Basin Environmental Service Technologies, LLC
 3100 Plains Hwy.
 Lovington, NM 88260

Drawn By: BJA Checked By: JWL
 August 6, 2012 Scale: 1" = 2000'

1,000 500 0 1,000 2,000

Distance in Feet

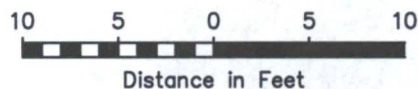
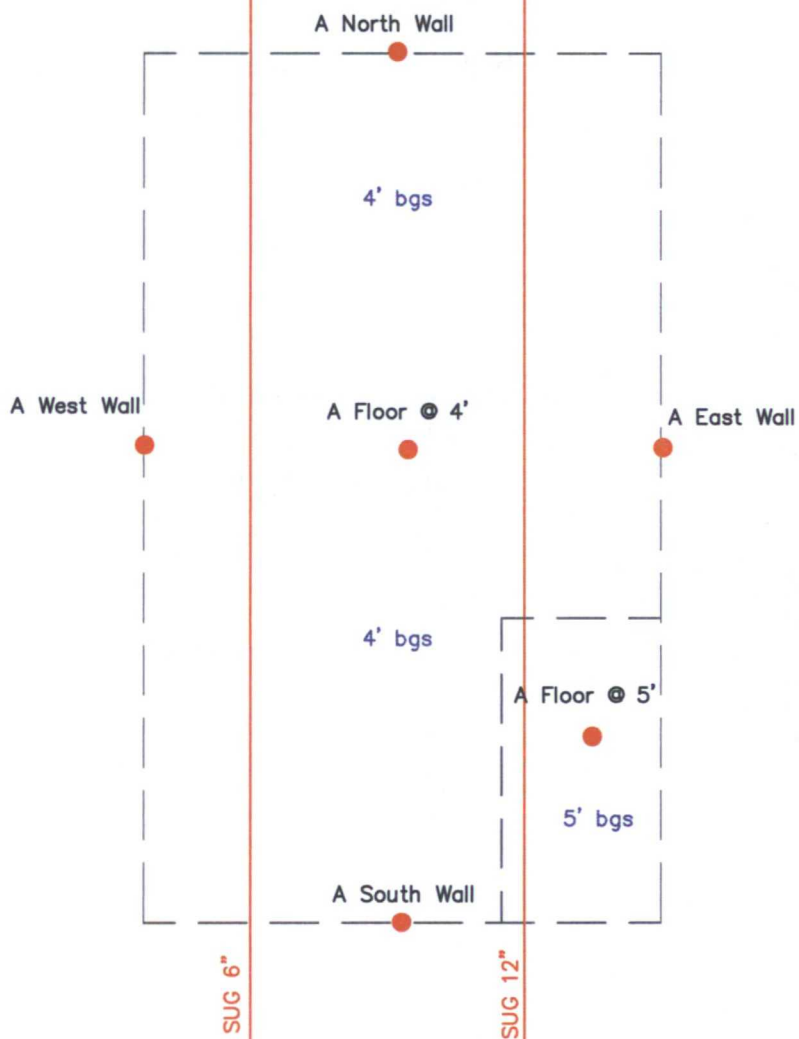


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ROAD



LEGEND:

- Excavation Extent
- Sample Location
- Pipeline
- Road

Figure 2a

Site & Sample Location Map
Southern Union Gas Services
Trunk "O" #3 (RP-1509)
Lea County, NM

Basin Environmental Services

Scale: 1" = 10'

Drawn By: JWL

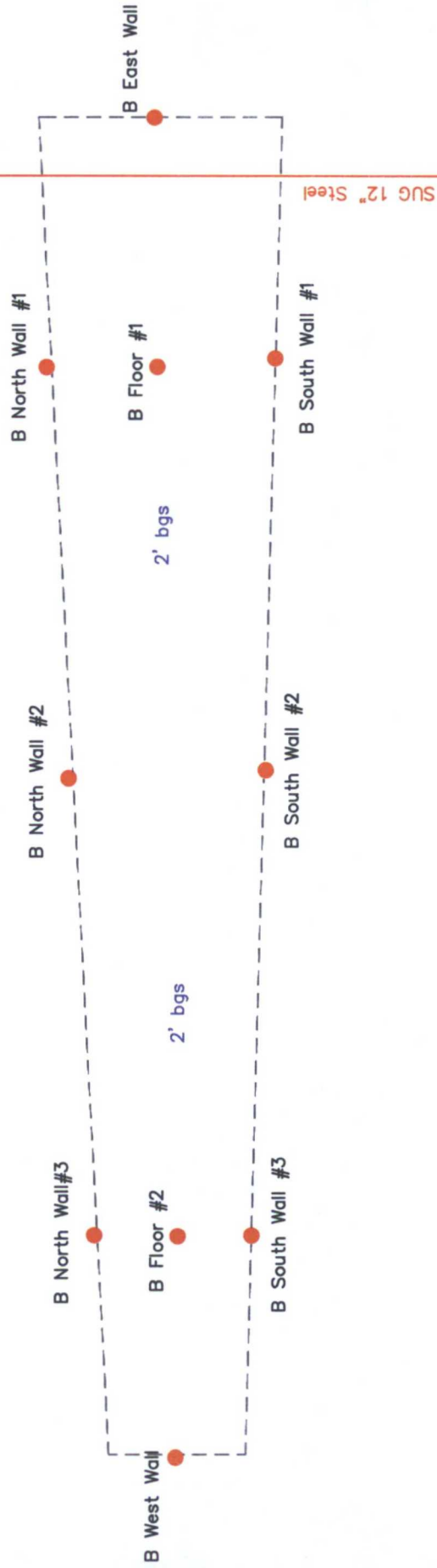
Prepared By: BRB

October 9, 2012

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Legend

- Sample Location
- - - Excavation Extent
- - - Road
- Pipeline

Figure 2b
Site & Sample Location Map
Southern Union Gas Services
Trunk "O" #3 (West)
NMOCD Ref RP-1509
Lea County, New Mexico

Basin Environmental Services

Prep By: JWL
October 9, 2012
Checked By: BJA
Scale 1"=10'

TABLE 1

CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

HOBBS OCD

SOUTHERN UNION GAS SERVICES

OCT 10 2012

TRUNK "O" #3

HISTORICAL RELEASE SITE

LEA COUNTY, NEW MEXICO

NMOCD REF# 1RP-1509

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SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030					METHOD: 8015M				TOTAL TPH C ₉ -C ₃₅ (mg/Kg)	SM 4500-Cl B CHLORIDE (mg/Kg)
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	ORO C ₂₈ -C ₃₅ (mg/Kg)			
TT-1 @ Surface	Surface	8/10/2012	In-Situ	<0.100	<0.100	<0.100	<0.100	<0.100	<20.0	600	<250	600	<5.00	
TT-1 North End @ 3.5'	3.5'	8/10/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	213	
TT-2 @ Surface	Surface	8/10/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	<5.00	
TT-2 @ 4'	4'	8/10/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	39.8	
A Stockpile	N/A	9/14/2012	Stockpiled	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	18.2	1,120	<85.5	1,138.2	229	
A North Wall	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	0.0297	0.0297	<4.00	276	193	469	112	
A East Wall	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	156	
A South Wall	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	738	591	1,329	63	
A West Wall	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	652	268	920	100	
A Floor	3'	9/14/2012	Excavated	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	70.5	<50.0	70.5	1800	
B North Wall #1	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	129	
B North Wall #2	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	<20.0	
B North Wall #3	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	28.7	
B South Wall #1	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	28.7	
B South Wall #2	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	57.4	
B South Wall #3	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	<20.0	
B East Wall	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	90.9	
B West Wall	1'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	76.6	
B Floor #1	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	50.4	50.4	56.7	
B Floor #2	2'	9/14/2012	In-Situ	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	<50.0	<50.0	<50.0	142	
B Stockpile	N/A	9/14/2012	Stockpiled	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<4.00	119	173	292	80.3	
A Floor @ 4'	4'	10/1/2012	In-Situ	-	-	-	-	-	-	-	-	-	477	
A Floor @ 5'	5'	10/3/2012	In-Situ	-	-	-	-	-	-	-	-	-	10.0	
NMOCD Standard				10				50				5,000	1,000	

- = Not analyzed.

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Analytical Report

Sample: 309505 - A Stockpile

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.34	mg/Kg	1	2.00	117	70 - 130

Sample: 309505 - A Stockpile

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95156
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			229	mg/Kg	5	4.00

Sample: 309505 - A Stockpile

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	1120	mg/Kg	5	50.0

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Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{sr}	Q _{sr}	254	mg/Kg	5	100	254	70 - 130

Sample: 309505 - A Stockpile

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95142
Prep Batch: 80622

Analytical Method: S 8015 D
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO		1	18.2	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.83	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			2.19	mg/Kg	1	2.00	110	70 - 130

Sample: 309505 - A Stockpile

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Q _{sr} , U		<85.5	<250	<250	<250	mg/Kg	5	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{sr}	Q _{sr}	166	mg/Kg	5	100	166	61.5 - 159
n-Triacontane			162	mg/Kg	5	100	162	70 - 166

Sample: 309506 - A North Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Report Date: September 26, 2012
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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Qr	1	0.0297	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.01	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.22	mg/Kg	1	2.00	111	70 - 130

Sample: 309506 - A North Wall

Laboratory: Midland

Analysis: Chloride (Titration)

QC Batch: 95156

Prep Batch: 80620

Analytical Method: SM 4500-Cl B

Date Analyzed: 2012-09-25

Sample Preparation: 2012-09-25

Prep Method: N/A

Analyzed By: AR

Prepared By: AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			112	mg/Kg	5	4.00

Sample: 309506 - A North Wall

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	276	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			188	mg/Kg	1	100	188	70 - 130

Sample: 309506 - A North Wall

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95131

Prep Batch: 80613

Analytical Method: S 8015 D

Date Analyzed: 2012-09-22

Sample Preparation: 2012-09-22

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.90	mg/Kg	1	2.00	95	70 - 130
4-Bromofluorobenzene (4-BFB)			2.23	mg/Kg	1	2.00	112	70 - 130

Sample: 309506 - A North Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MDL Result	PQL Result	RL Result	Units	Dilution	MDL	MDL	PQL	RL
ORO			193	193	193	193	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			146	mg/Kg	1	100	146	61.5 - 159
n-Triacontane			152	mg/Kg	1	100	152	70 - 166

Sample: 309507 - A East Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Qr,U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			2.16	mg/Kg	1	2.00	108	70 - 130

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Sample: 309507 - A East Wall

Laboratory:	Midland	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
Analysis:	Chloride (Titration)	Date Analyzed:	2012-09-25	Analyzed By:	AR
QC Batch:	95156	Sample Preparation:	2012-09-25	Prepared By:	AR
Prep Batch:	80620				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			156	mg/Kg	5	4.00

Sample: 309507 - A East Wall

Laboratory:	Midland	Analytical Method:	S 8015 D	Prep Method:	N/A
Analysis:	TPH DRO - NEW	Date Analyzed:	2012-09-18	Analyzed By:	CW
QC Batch:	94899	Sample Preparation:	2012-09-17	Prepared By:	CW
Prep Batch:	80416				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			112	mg/Kg	1	100	112	70 - 130

Sample: 309507 - A East Wall

Laboratory:	Midland	Analytical Method:	S 8015 D	Prep Method:	S 5035
Analysis:	TPH GRO	Date Analyzed:	2012-09-22	Analyzed By:	YG
QC Batch:	95131	Sample Preparation:	2012-09-22	Prepared By:	YG
Prep Batch:	80613				

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs,U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			2.12	mg/Kg	1	2.00	106	70 - 130

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Sample: 309507 - A East Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Q ^a ,U		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			142	mg/Kg	1	100	142	61.5 - 159
n-Triacontane			143	mg/Kg	1	100	143	70 - 166

Sample: 309508 - A South Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.0200	mg/Kg	1	0.0200
Toluene	U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1	<0.0200	mg/Kg	1	0.0200
Xylene	U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.11	mg/Kg	1	2.00	106	70 - 130

Sample: 309508 - A South Wall

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95156
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

continued ...

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sample 309508 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			63.4	mg/Kg	5	4.00

Sample: 309508 - A South Wall

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	738	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Qsr	Qsr	290	mg/Kg	1	100	290	70 - 130

Sample: 309508 - A South Wall

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95142
Prep Batch: 80622

Analytical Method: S 8015 D
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.82	mg/Kg	1	2.00	91	70 - 130
4-Bromofluorobenzene (4-BFB)			2.03	mg/Kg	1	2.00	102	70 - 130

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Sample: 309508 - A South Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	ML Result	PQL Result	RL Result	Units	Dilution	MDL	ML	PQL	RL
ORO	Q _{sr}		591	591	591	591	mg/Kg	5	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{sr}	Q _{sr}	225	mg/Kg	5	100	225	61.5 - 159
n-Triacontane	Q _{sr}	Q _{sr}	218	mg/Kg	5	100	218	70 - 166

Sample: 309509 - A West Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	U	1	<0.0200	mg/Kg	1	0.0200
Toluene	U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	U	1	<0.0200	mg/Kg	1	0.0200
Xylene	U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	70 - 130

Sample: 309509 - A West Wall

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			100	mg/Kg	5	4.00

Sample: 309509 - A West Wall

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	652	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{sr}	Q _{sr}	279	mg/Kg	1	100	279	70 - 130

Sample: 309509 - A West Wall

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.83	mg/Kg	1	2.00	92	70 - 130
4-Bromofluorobenzene (4-BFB)			2.02	mg/Kg	1	2.00	101	70 - 130

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Sample: 309509 - A West Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Q _{tr}		268	268	268	268	mg/Kg	5	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{tr}	Q _{tr}	166	mg/Kg	5	100	166	61.5 - 159
n-Triacontane			152	mg/Kg	5	100	152	70 - 166

Sample: 309510 - A Floor

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Q _{r,U}	1	<0.0200	mg/Kg	1	0.0200
Toluene	Q _{r,U}	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Q _{r,U}	1	<0.0200	mg/Kg	1	0.0200
Xylene	Q _{r,U}	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.19	mg/Kg	1	2.00	110	70 - 130

Sample: 309510 - A Floor

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309510 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			1800	mg/Kg	10	4.00

Sample: 309510 - A Floor

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	70.5	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane	Q _{sr}	Q _{sr}	131	mg/Kg	1	100	131	70 - 130

Sample: 309510 - A Floor

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95131
Prep Batch: 80613

Analytical Method: S 8015 D
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Q _{s,U}	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			2.11	mg/Kg	1	2.00	106	70 - 130

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Sample: 309510 - A Floor

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MDL Result	PQL Result	RL Result	Units	Dilution	MDL	MDL	PQL	RL
ORO	Q _s ,U		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			153	mg/Kg	1	100	153	61.5 - 159
n-Triacontane			156	mg/Kg	1	100	156	70 - 166

Sample: 309511 - B North Wall #1

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.19	mg/Kg	1	2.00	110	70 - 130

Sample: 309511 - B North Wall #1

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309511 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			129	mg/Kg	5	4.00

Sample: 309511 - B North Wall #1

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	u	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			123	mg/Kg	1	100	123	70 - 130

Sample: 309511 - B North Wall #1

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95131

Prep Batch: 80613

Analytical Method: S 8015 D

Date Analyzed: 2012-09-22

Sample Preparation: 2012-09-22

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qo,U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	70 - 130

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Sample: 309511 - B North Wall #1

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Q _o ,U		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			120	mg/Kg	1	100	120	61.5 - 159
n-Triacontane			125	mg/Kg	1	100	125	70 - 166

Sample: 309512 - B North Wall #2

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Q _r ,U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.18	mg/Kg	1	2.00	109	70 - 130

Sample: 309512 - B North Wall #2

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309512 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	u		<20.0	mg/Kg	5	4.00

Sample: 309512 - B North Wall #2

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL		
DRO	u	1	<50.0	mg/Kg	1	50.0		
Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			125	mg/Kg	1	100	125	70 - 130

Sample: 309512 - B North Wall #2

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95131

Prep Batch: 80613

Analytical Method: S 8015 D

Date Analyzed: 2012-09-22

Sample Preparation: 2012-09-22

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs,U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.99	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.09	mg/Kg	1	2.00	104	70 - 130

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Sample: 309512 - B North Wall #2

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO	Q ^s , U		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			112	mg/Kg	1	100	112	61.5 - 159
n-Triacontane			116	mg/Kg	1	100	116	70 - 166

Sample: 309513 - B North Wall #3

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Q _r , U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Q _r , U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Q _r , U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Q _r , U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.19	mg/Kg	1	2.00	110	70 - 130

Sample: 309513 - B North Wall #3

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309513 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			28.7	mg/Kg	5	4.00

Sample: 309513 - B North Wall #3

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			124	mg/Kg	1	100	124	70 - 130

Sample: 309513 - B North Wall #3

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95131
Prep Batch: 80613

Analytical Method: S 8015 D
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs, U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.92	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	70 - 130

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Sample: 309513 - B North Wall #3

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94948
Prep Batch: 80461

Analytical Method: S 8015 D
Date Analyzed: 2012-09-19
Sample Preparation: 2012-09-18

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	ML Result	PQL Result	RL Result	Units	Dilution	MDL	ML	PQL	RL
ORO	Qs,U		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			117	mg/Kg	1	100	117	61.5 - 159
n-Triacontane			118	mg/Kg	1	100	118	70 - 166

Sample: 309514 - B South Wall #1

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Qr,U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.01	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.17	mg/Kg	1	2.00	108	70 - 130

Sample: 309514 - B South Wall #1

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309514 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			28.7	mg/Kg	5	4.00

Sample: 309514 - B South Wall #1

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			119	mg/Kg	1	100	119	70 - 130

Sample: 309514 - B South Wall #1

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95131
Prep Batch: 80613

Analytical Method: S 8015 D
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs, U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.08	mg/Kg	1	2.00	104	70 - 130

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Sample: 309514 - B South Wall #1

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MLQ Result	PQL Result	RL Result	Units	Dilution	MDL	MLQ	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			121	mg/Kg	1	100	121	61.5 - 159
n-Triacontane			118	mg/Kg	1	100	118	70 - 166

Sample: 309515 - B South Wall #2

Laboratory: Midland
Analysis: BTEX
QC Batch: 95120
Prep Batch: 80607

Analytical Method: S 8021B
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Toluene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	Qr,U	1	<0.0200	mg/Kg	1	0.0200
Xylene	Qr,U	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			2.21	mg/Kg	1	2.00	110	70 - 130

Sample: 309515 - B South Wall #2

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309515 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			57.4	mg/Kg	5	4.00

Sample: 309515 - B South Wall #2

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	U	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			119	mg/Kg	1	100	119	70 - 130

Sample: 309515 - B South Wall #2

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95131
Prep Batch: 80613

Analytical Method: S 8015 D
Date Analyzed: 2012-09-22
Sample Preparation: 2012-09-22

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	Qs, U	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.91	mg/Kg	1	2.00	96	70 - 130
4-Bromofluorobenzene (4-BFB)			2.10	mg/Kg	1	2.00	105	70 - 130

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Sample: 309515 - B South Wall #2

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MLQ Result	PQL Result	RL Result	Units	Dilution	MDL	MLQ	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			108	mg/Kg	1	100	108	61.5 - 159
n-Triacontane			109	mg/Kg	1	100	109	70 - 166

Sample: 309516 - B South Wall #3

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.21	mg/Kg	1	2.00	110	70 - 130

Sample: 309516 - B South Wall #3

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride	u		<20.0	mg/Kg	5	4.00

Sample: 309516 - B South Wall #3

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	u	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			124	mg/Kg	1	100	124	70 - 130

Sample: 309516 - B South Wall #3

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.87	mg/Kg	1	2.00	94	70 - 130
4-Bromofluorobenzene (4-BFB)			2.12	mg/Kg	1	2.00	106	70 - 130

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Sample: 309516 - B South Wall #3

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MLQ Result	PQL Result	RL Result	Units	Dilution	MDL	MLQ	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			108	mg/Kg	1	100	108	61.5 - 159
n-Triacontane			108	mg/Kg	1	100	108	70 - 166

Sample: 309517 - B East Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.02	mg/Kg	1	2.00	101	70 - 130
4-Bromofluorobenzene (4-BFB)			2.24	mg/Kg	1	2.00	112	70 - 130

Sample: 309517 - B East Wall

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			90.9	mg/Kg	5	4.00

Sample: 309517 - B East Wall

Laboratory: Midland
Analysis: TPH DRO - NEW
QC Batch: 94899
Prep Batch: 80416

Analytical Method: S 8015 D
Date Analyzed: 2012-09-18
Sample Preparation: 2012-09-17

Prep Method: N/A
Analyzed By: CW
Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			110	mg/Kg	1	100	110	70 - 130

Sample: 309517 - B East Wall

Laboratory: Midland
Analysis: TPH GRO
QC Batch: 95142
Prep Batch: 80622

Analytical Method: S 8015 D
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.99	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.14	mg/Kg	1	2.00	107	70 - 130

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Sample: 309517 - B East Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MDL Result	PQL Result	RL Result	Units	Dilution	MDL	MDL	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			113	mg/Kg	1	100	113	61.5 - 159
n-Triacontane			114	mg/Kg	1	100	114	70 - 166

Sample: 309518 - B West Wall

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.24	mg/Kg	1	2.00	112	70 - 130

Sample: 309518 - B West Wall

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95157
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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sample 309518 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			76.6	mg/Kg	5	4.00

Sample: 309518 - B West Wall

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO	u	1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			122	mg/Kg	1	100	122	70 - 130

Sample: 309518 - B West Wall

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.14	mg/Kg	1	2.00	107	70 - 130

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Sample: 309518 - B West Wall

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	ML Result	PQL Result	RL Result	Units	Dilution	MDL	ML	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			105	mg/Kg	1	100	105	61.5 - 159
n-Triacontane			106	mg/Kg	1	100	106	70 - 166

Sample: 309519 - B Floor #1

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			2.00	mg/Kg	1	2.00	100	70 - 130
4-Bromofluorobenzene (4-BFB)			2.24	mg/Kg	1	2.00	112	70 - 130

Sample: 309519 - B Floor #1

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95158
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			56.7	mg/Kg	5	4.00

Sample: 309519 - B Floor #1

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			136	mg/Kg	1	100	136	70 - 130

Sample: 309519 - B Floor #1

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)			2.14	mg/Kg	1	2.00	107	70 - 130

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Sample: 309519 - B Floor #1

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MDL Result	PQL Result	RL Result	Units	Dilution	MDL	MDL	PQL	RL
ORO			50.4	50.4	50.4	50.4	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			120	mg/Kg	1	100	120	61.5 - 159
n-Triacontane			142	mg/Kg	1	100	142	70 - 166

Sample: 309520 - B Floor #2

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.98	mg/Kg	1	2.00	99	70 - 130
4-Bromofluorobenzene (4-BFB)			2.27	mg/Kg	1	2.00	114	70 - 130

Sample: 309520 - B Floor #2

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95158
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

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Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			142	mg/Kg	5	4.00

Sample: 309520 - B Floor #2

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	<50.0	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			112	mg/Kg	1	100	112	70 - 130

Sample: 309520 - B Floor #2

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.96	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.15	mg/Kg	1	2.00	108	70 - 130

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Sample: 309520 - B Floor #2

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MDL Result	PQL Result	RL Result	Units	Dilution	MDL	MDL	PQL	RL
ORO	u		<17.1	<50.0	<50.0	<50.0	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			114	mg/Kg	1	100	114	61.5 - 159
n-Triacontane			117	mg/Kg	1	100	117	70 - 166

Sample: 309521 - B Stockpile

Laboratory: Midland
Analysis: BTEX
QC Batch: 95136
Prep Batch: 80622

Analytical Method: S 8021B
Date Analyzed: 2012-09-23
Sample Preparation: 2012-09-23

Prep Method: S 5035
Analyzed By: YG
Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Benzene	u	1	<0.0200	mg/Kg	1	0.0200
Toluene	u	1	<0.0200	mg/Kg	1	0.0200
Ethylbenzene	u	1	<0.0200	mg/Kg	1	0.0200
Xylene	u	1	<0.0200	mg/Kg	1	0.0200

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.95	mg/Kg	1	2.00	98	70 - 130
4-Bromofluorobenzene (4-BFB)			2.24	mg/Kg	1	2.00	112	70 - 130

Sample: 309521 - B Stockpile

Laboratory: Midland
Analysis: Chloride (Titration)
QC Batch: 95158
Prep Batch: 80620

Analytical Method: SM 4500-Cl B
Date Analyzed: 2012-09-25
Sample Preparation: 2012-09-25

Prep Method: N/A
Analyzed By: AR
Prepared By: AR

continued ...

Report Date: September 26, 2012
SUG Historical Releases

Work Order: 12091440
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sample 309521 continued ...

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			80.3	mg/Kg	5	4.00

Sample: 309521 - B Stockpile

Laboratory: Midland

Analysis: TPH DRO - NEW

QC Batch: 94899

Prep Batch: 80416

Analytical Method: S 8015 D

Date Analyzed: 2012-09-18

Sample Preparation: 2012-09-17

Prep Method: N/A

Analyzed By: CW

Prepared By: CW

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
DRO		1	119	mg/Kg	1	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			158	mg/Kg	1	100	158	70 - 130

Sample: 309521 - B Stockpile

Laboratory: Midland

Analysis: TPH GRO

QC Batch: 95142

Prep Batch: 80622

Analytical Method: S 8015 D

Date Analyzed: 2012-09-23

Sample Preparation: 2012-09-23

Prep Method: S 5035

Analyzed By: YG

Prepared By: YG

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
GRO	u	1	<4.00	mg/Kg	1	4.00

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)			1.94	mg/Kg	1	2.00	97	70 - 130
4-Bromofluorobenzene (4-BFB)			2.14	mg/Kg	1	2.00	107	70 - 130

Report Date: September 26, 2012
SUG Historical Releases

Work Order: 12091440
Trunk O #3 (1RP-1509)

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Sample: 309521 - B Stockpile

Laboratory: Lubbock
Analysis: TPH ORO
QC Batch: 94993
Prep Batch: 80494

Analytical Method: S 8015 D
Date Analyzed: 2012-09-20
Sample Preparation: 2012-09-19

Prep Method: N/A
Analyzed By: CM
Prepared By: CM

Parameter	Flag	Cert	MDL Result	MQL Result	PQL Result	RL Result	Units	Dilution	MDL	MQL	PQL	RL
ORO			173	173	173	173	mg/Kg	1	17.1	50.0	50.0	50.0

Surrogate	Flag	Cert	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Tricosane			128	mg/Kg	1	100	128	61.5 - 159
n-Triacontane			134	mg/Kg	1	100	134	70 - 166

Report Date: October 2, 2012
SUG Historical Releases

Work Order: 12100211
Trunk O #3 (1RP-1509)

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Analytical Report

Sample: 310612 - A Floor @ 4'

Laboratory: Midland

Analysis: Chloride (Titration)

QC Batch: 95393

Prep Batch: 80831

Analytical Method: SM 4500-Cl B

Date Analyzed: 2012-10-02

Sample Preparation: 2012-10-02

Prep Method: N/A

Analyzed By: AR

Prepared By: AR

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			477	mg/Kg	5	4.00

Report Date: October 9, 2012
SUG Historical Releases

Work Order: 12100535
Trunk O #3 (1RP-1509)

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Analytical Report

Sample: 311176 - A Floor @ 5'

Laboratory: Lubbock

Analysis: Chloride (Titration)

QC Batch: 95557

Prep Batch: 80979

Analytical Method: SM 4500-Cl B

Date Analyzed: 2012-10-09

Sample Preparation: 2012-10-09

Prep Method: N/A

Analyzed By: LM

Prepared By: LM

Parameter	Flag	Cert	RL Result	Units	Dilution	RL
Chloride			10.0	mg/Kg	1	5.00