

February 14, 2007

VIA: CERTIFIED MAIL



Mr. Larry Johnson **Environmental Engineer** New Mexico Oil Conservation Division - District I 1625 North French Drive Hobbs, New Mexico 88240 1188 K

Re:

RP-1046, Targa Midstream Services. L.P., Teague 10" High Pressure (Site #73), Unit A (NE/4, NÉ/4), Section 18, Township 23 South, Range 36 East, Lea County, New Mexico

Dear Mr. Johnson:

This report is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of Targa Midstream Services, L.P. (TMS), successor company to Dynegy Midstream Services, L.P. (DMS) by Larson and Associates Inc. (LA), its agent, and presents the delineation of a natural gas and liquids release from a high-pressure pipeline (Teague 10") located in unit A (NE/4, NE/4), Section 18, Township 23 South, Range 37 East, in Lea County, New Mexico. The Site is located at latitude 32.31096167 north and longitude 103.19363500 west. Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing. Contact information for TMS is as follows:

Name:	Cal Wrangham
Title:	Sr. Advisor
	Targa Midstream Services, L.P.
Address:	6 Desta Drive, Suite 3300
	Midland, Texas 79705
Telephone:	(432) 688-0542
Cell:	(432) 435-7072
Email:	cwrangham@targaresources.com

Setting

The release occurred about 8.4 miles southwest of Eunice, New Mexico, at an elevation of approximately 3,330 feet above mean sea level ("MSL"). No surface water, including lakes, streams, rivers, ponds or arroyos, is located within 1,000 horizontal feet of the Site. Wind-blown sand underlies the Site and overlies the Tertiary-age Ogallala formation. The Ogallala formation is composed of yellowish red and reddish yellow sand and silty-sand. The Ogallala formation overlies Triassic-age Chinle formation which consists predominantly of mudstone and shale, and is a member of the Dockum group.

Records from the New Mexico State Engineer ("NMSE") did not reveal any domestic or stock wells within 1,000 horizontal feet of the Site. Ground water was reported at 100.67 feet below ground surface (bgs) in a stock well that is located about 1 mile southeast of the Site in unit M (SW/4, SW/4), section 20, Township 23 South, Range 37 East. The U.S.G.S 7.5-minute topographic quadrangle map for Rattlesnake Canyon, New Mexico (1969) shows a stock well (windmill) in unit M (SW/4, SW/4), Section 7, Township 23 South, Range 507 North Marienfeld, Suite 202 ◆ Midland, Texas 79701 ◆ Ph. (432) 687-0901 ◆ Fax (432) 687-0456 Mr. Larry Johnson February 14, 2007 Page 2

37 East, but no depth-to-ground water information was available. This well is located about 2,250 feet northwest of the Site.

Chronology

The release occurred on January 18, 2007, and involved an estimated 350 million cubic feet of natural gas and less than 5 barrels (bbl) of natural gas liquids. The pipeline was shut-in to secure the area and allow workers to make necessary repairs. TMS personnel immediately notified the NMOCD and submitted form C-141 on January 22, 2007.

Delineation

On January 29, 2007, LA personnel used a 3-inch stainless steel hand auger to collect soil samples from the bottom and sides of the excavation at fourteen (14) locations. Soil samples were collected for headspace and laboratory analysis. Soil samples were collected to approximately five (5) feet below the bottom of the excavation near the release (GS-1) or about seventeen (17) feet bgs. The hand auger was thoroughly washed between samples using a solution of laboratory-grade detergent and potable water and rinsed with distilled water. The laboratory samples were collected in clean glass 4-ounce sample jars, labeled, chilled in an ice chest, and hand delivered under chainof-custody control to Trace Analysis, Inc. (Trace) located in Midland, Texas. The headspace samples were collected according to NMOCD guidelines in 8-ounce glass jars that were filled approximately 2/3rds full and sealed with a layer of aluminum foil before securing the cap. A RAE Instruments, Model 2000 photoionization detector (PID) was used to measure the concentration of organic vapors in the sample headspace after the samples warmed to the ambient temperature. The PID recorded readings above 100 parts per million (ppm) in samples GS-1 (839 ppm) and GS-1A (901 ppm), which the laboratory analyzed ample benzene, toluene, ethyl benzene and xylene (collectively referred to as BTEX) using method SW-846-8021B. Sample GS-1B, which recorded a PID reading of 70 ppm, was also analyzed for BTEX. The laboratory analyzed all samples for total petroleum hydrocarbons (TPH) and chloride using methods SW-846-8015B and 300, respectively. Table 1 presents a summary of the headspace and laboratory analysis. Appendix A presents the laboratory report. Appendix B presents photographs.

The following OCD recommended remediation action levels (RRRA) were calculated for the release based on depth-to-groundwater exceeding 100 feet, location of wells and surface water greater than 1,000 horizontal feet:

Benzene	10 mg/Kg
BTEX	50 mg/Kg
TPH	5,000 mg/Kg

Referring to Table 1, benzene was not reported in samples GS-1, GS-1A or GS-1B above the test method diction limit of 0.01 milligram per kilogram (mg/Kg). The laboratory reported the highest BTEX concentration (sum of benzene, toluene, ethyl benzene and xylene) in sample GS-1A (0.0608 mg/Kg). The BTEX concentration was well below the RRAL of 50 mg/Kg. The laboratory reported no TPH in the samples above the method detection limit of 51 mg/Kg. Chloride ranged 507 North Marienfeld, Suite 202 ♦ Midland, Texas 79701 ♦ Ph. (432) 687-0901 ♦ Fax (432) 687-0456

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from less than 5 mg/Kg in samples GS-7 and GS-9 to 10.7 mg/Kg in sample GS-1A. No benzene, BTEX or TPH was reported in the stock pile soil samples above the test method detection limits. The chloride concentrations were 8.66 mg/Kg.

Conclusion

Based on these findings, TMS requests permission from the NMOCD to fill the excavation with the stockpiled soil and contour the location to the surrounding topography. Appendix C presents the final C-141. Please contact Mr. Cal Wrangham at (432) 688-0542 or myself at (432) 687-0901 if you have any questions. We may be reached by email at cwrangham@targaresources.com or mark@laenvironmental.com. Sincerely,

Larson & Associates, Inc.

Mark J. Larson, P.G., C.P.G., C.G.W.P. Sr. Project Manager / President

Encl.

cc: Mr. Cal Wrangham –TMS Mr. Don Embrey - TMS Mr. James Lingnau – TMS Mr. Larry Johnson – NMOCD District 1 TABLE

Targa Midstream Services, L.P., Site #73 (Teague 10" High Pressure) Unit A (NE/4, NE/4), Section 18, Township 23 South, Range 37 East Summary of Laboratory Analysis of Soil Samples Lea County, New Mexico 1RP-1188

Table I

Page 1 of] Chloride (mg/Kg) 8.66 7.46 8.66 9.36 8.05 8.09 7.49 10.7 7.42 8.62 9.04 8.09 7.72 7.85 9.97 10.1 ŝ ŝ (mg/Kg) TPH 5.000 51 51 <51 <51 <51 <51 51 <51 <51 <51 <51 <51 <51 **S1** 51 <51 51 51 (mg/Kg) GRO ∇ ∇ ∇ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ ∇ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ ∇ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\nabla}$ $\overline{\mathbf{v}}$ (mg/Kg) DRO <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 <50 mg/Kg) 0.0608 BTEX <0.04 <0.04 50 ł ł ł ł 1 ł ł ł ł 1 Benzene (mg/Kg) <0.01 <0.01 <0.01 10 ł ł ł ł ł ł ł ł ł ł ł ł 1 ł (mqq) 24.5 13.6 PID 0.5 0.6 3.3 6.0 0.9 3.8 839 0.2 1.2 2.3 3.2 1.5 4.3 901 73 8.1 (Feet BGS) Depth Pile Pile 4 16 15 5 14 4 10 10 2 10 12 17 4 11 ∞ 6 West Pile Number East Pile Sample GS-1A GS-1B GS-10 GS-12 **GS-13** GS-14 GS-8 GS-9 GS-11 GS-5 GS-6 GS-1 GS-2 GS-3 GS-4 GS-7 RRAL (mg/Kg): 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 01/29/2007 Date

Notes: Analysis performed by Trace Analysis, Inc., Midland, Texas, using method SW-846-8021B (BTEX) and 8015B (TPH)

Results are reported in milligram per Kilogram (mg/Kg)

Depth in feet below ground surface 1. BGS:

Gasoline-range organics 2. GRO:

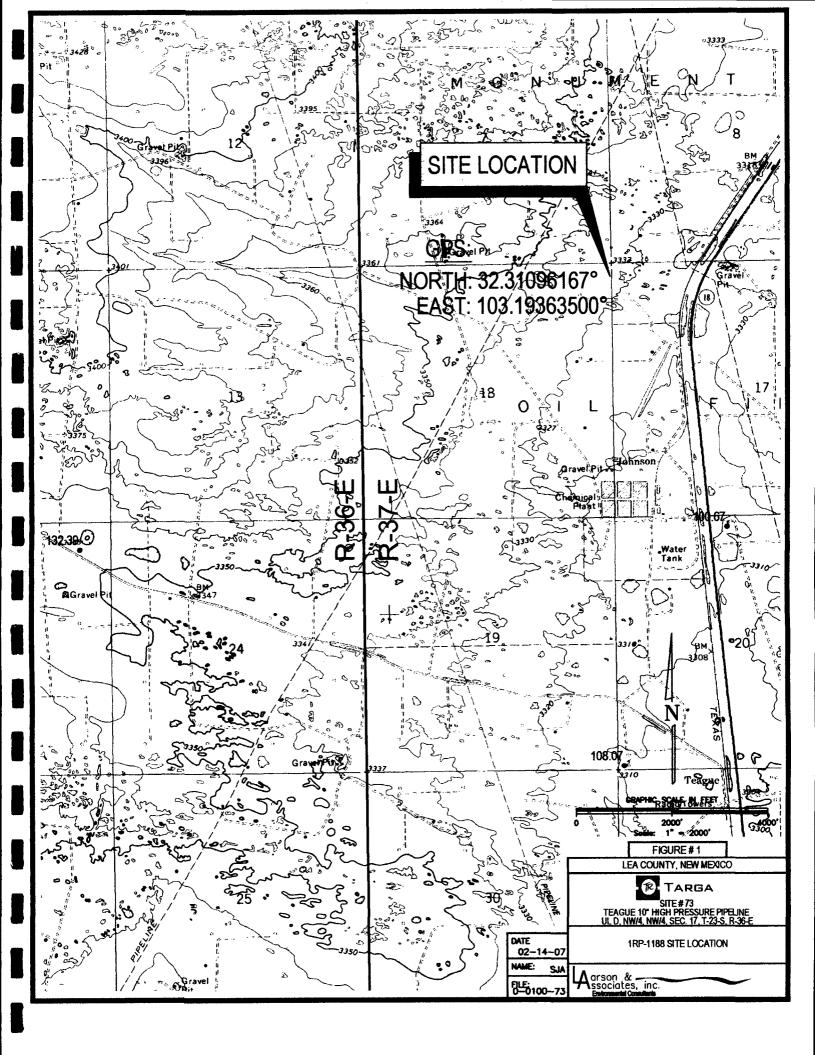
Diesel-range organics 3. DRO:

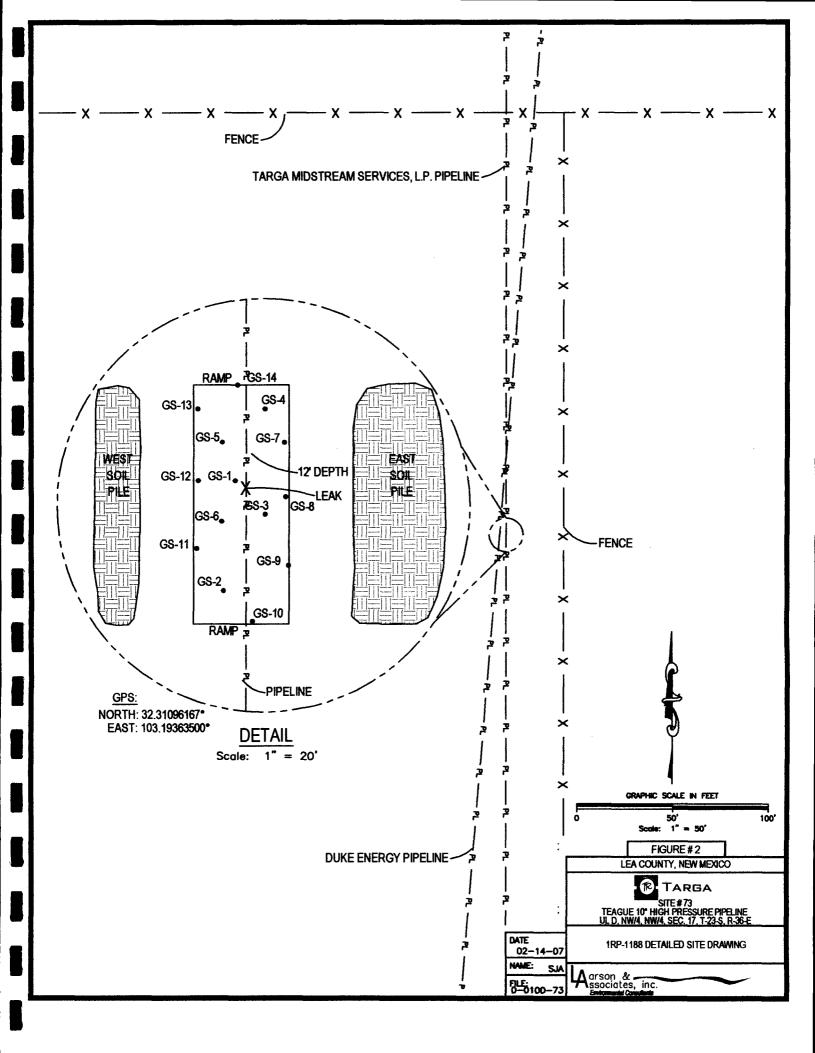
Total petroleum hydrocarbons (Sum of DRO + GRO) 4. TPH:

Below method detection limit 5. .:

Not Analyzed و. ا:

FIGURES





APPENDIX A

Laboratory Reports

Summary Report

Michelle Green Larson and Associates, Inc. P. O. Box 50685 Midland, Tx, 79710

Report Date: February 2, 2007

Work Order: 7013010

Project Name:Teague 10Project Number:0-0100-73

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
114999		SOIL	2007-01-29	12:55	2007-01-30
115000	GS-1A	SOIL	2007-01-29	13:00	2007-01-30
115001	GS-1B	SOIL	2007-01-29	1 3 :10	2007-01-30
115002	GS-2	SOIL	2007-01-29	13:15	2007-01-30
115003	GS-3	SOIL	2007-01-29	13:25	2007-01-30
115004	GS-4	SOIL	2007-01-29	13:30	2007-01-30
115005	GS-5	SOIL	2007-01-29	13:38	2007-01-30
115006	GS-6	SOIL	2007-01-29	13:45	2007-01-30
115007	GS-7	SOIL	2007-01-29	13:50	2007-01-30
115008	GS-8	SOIL	2007-01-29	13:55	2007-01-30
115009	GS-9	SOIL	2007-01-29	13:58	2007-01-30
115010	GS-10	SOIL	2007-01-29	14:09	2007-01-30
115011	GS- 11	SOIL	2007-01-29	14:10	2007-01-30
115012	GS-12	SOIL	2007-01-29	14:12	2007-01-30
115013	GS-13	SOIL	2007-01-29	14:15	2007-01-30
115014	GS-14	SOIL	2007-01-29	14:17	2007-01-30
115015	EAST PILE	SOIL	2007-01-29	14:30	2007-01-30
115016	WEST PILE	SOIL	2007-01-29	14:40	2007-01-30

••••••••••••••••••••••••••••••••••••••	1]	BTEX		MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
114999 - GS-1	< 0.0100	< 0.0100	< 0.0100	< 0.0100		<50.0	<1.00
115000 - GS-1A	< 0.0100	<0.0100	< 0.0100	0.0608		<50.0	<1.00
115001 - GS-1B	<0.0100	<0.0100	< 0.0100	<0.0100		<50.0	<1.00
115002 - GS-2						<50.0	<1.00
115003 - GS-3						<50.0	<1.00
115004 - GS-4						<50.0	<1.00
115005 - GS-5						<50.0	<1.00
115006 - GS-6						<50.0	<1.00
115007 - GS-7						<50.0	<1.00
115008 - GS-8				i		<50.0	<1.00
115009 - GS-9					I	<50.0	<1.00
115010 - GS-10						<50.0	<1.00
115011 - GS-11						<50.0	<1.00
115012 - GS-12						<50.0	<1.00
115013 - GS-13						<50.0	<1.00

continued ...

TraceAnalysis, Inc. • 6701 Aberdeen Ave., Suite 9 • Lubbock, TX 79424-1515 • (806) 794-1296

... continued

]	BTEX		MTBE	TPH DRO	TPH GRO
	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
Sample - Field Code	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
115014 - GS-14						<50.0	<1.00
115015 - EAST PILE						<50.0	<1.00
115016 - WEST PILE						<50.0	<1.00
Sample: 114999 - GS-1							
Param	Flag		Result		Un	and the second	RI
Chloride			9.36		mg/l	Kg	1.00
Sample: 115000 - GS-1	A						
Param	Flag		Result		Un	its	RI
Chloride	ĭ		10.7		mg/l	Kg	1.00
Sample: 115001 - GS-1	В						
Param	Flag		Result		Un	its	RI
Chloride		· · · · · · · · · · · · · · · · · · ·	9.97	• ·· ·· · · · · ·	mg/l	Kg	1.00
Sample: 115002 - GS-2	1						
Param	Flag		Result		Un		RI
Chloride			7.42		mg/l	Kg	1.0
Sample: 115003 - GS-3	ł						
Param	Flag		Result		Un	ite	RI
Chloride	Tiag	······································	8.62	************	mg/		1.0
Here the second s	, i - , i , i , i - , i , i , i , i , i 			 	3/		
Sample: 115004 - GS-4							
Param	Flag		Result		Un		R
Chloride			10.1		mg/	Kg	1.0
Sample: 115005 - GS-5	i					· .	
Param	Flag		Result			its	R
Chloride	······		9.04		mg/	Kσ	1.0

Sample: 115006 - GS-6

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Report Date: February 2, 2007 0-0100-73		Work Order: 7013010 Teague 10	Page 1	Page Number: 3 of 4		
Param	Flag	Result	Units	RL		
Chloride		8.09	mg/Kg	1.00		
Sample: 115007 -	GS-7					
Param	Flag	Result	Units	\mathbf{RL}		
Chloride	**************************************	<5.00	mg/Kg	1.00		
Sample: 115008 -	GS-8					
Param	Flag	Result	Units	RL		
Chloride	**************************************	8.05	mg/Kg	1.00		
Sample: 115009 -	GS-9					
Param	Flag	Result	Units	RL		
Chloride		<5.00	mg/Kg	1.00		
Sample: 115010 - Param Chloride	Flag	Result 8.09	Units mg/Kg	RL 1.00		
		·				
Sample: 115011 -						
Param Chloride	Flag	Result 7.49	Units	RI 1.00		
		1.49	mg/Kg	1.00		
Sample: 115012 -	GS-12					
Param	Flag	Result	Units	RI		
Chloride		7.46	mg/Kg	1.0		
Sample: 115013 -	GS-13					
Param	Flag	Result	Units	RI		
Chloride		7.72	mg/Kg	1.00		
Sample: 115014 -	GS-14					
Param	Flag	Result	Units	RI		
Chloride		7.85	mg/Kg	1.0		

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Report Date: February 2, 2007 0-0100-73		Work Order: 7013010 Teague 10	Page Number: 4 of 4		
Sample: 115015	- EAST PILE				
Param	Flag	Result	Units	RL	
Chloride	,	8.66	mg/Kg	1.00	

Sample: 115016 - WEST PILE

Param	Flag	Result	Units	RL
Chloride		8.66	mg/Kg	1.00

MUMMUMUM TRACEANALYSIS, INC. MUMUMUM

6701 Aberdeen Avenue, Suite 9 155 McCutcheon, Suite H Lubbock, Texas 79424 800•378•1296 El Paso, Texas 79932 888•588•3443 E-Mail lab@traceanalysis.com

806 • 794 • 1296 FAX 806 • 794 • 1298 915 • 585 • 3443 FAX 915 • 585 • 4944

Analytical and Quality Control Report

Michelle Green Larson and Associates, Inc. P. O. Box 50685 Midland, Tx, 79710

Report Date: February 2, 2007

Work Order: 7013010

Project Name:Teague 10Project Number:0-0100-73

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

			Date	Time	Date
Sample	Description	Matrix	Taken	Taken	Received
114999	GS-1	SOIL	2007-01-29	12:55	2007-01-30
115000	GS-1A	SOIL	2007-01-29	13:00	2007-01-30
115001	GS-1B	SOIL	2007-01-29	13:10	2007-01-30
115002	GS-2	SOIL	2007-01-29	13:15	2007-01-30
115003	GS-3	SOIL	2007-01-29	13:25	2007-01-30
115004	GS-4	SOIL	2007-01-29	13:30	2007-01-30
115005	GS-5	SOIL	2007-01-29	13:38	2007-01-30
115006	GS-6	SOIL	2007-01-29	13:45	2007-01-30
115007	GS-7	SOIL	2007-01-29	13:50	2007-01-30
115008	GS-8	SOIL	2007-01-29	13:55	2007-01-30
115009	GS-9	SOIL	2007-01-29	13:58	2007-01-30
115010	GS-10	SOIL	2007-01-29	14:09	2007-01-30
115011	GS-11	SOIL	2007-01-29	14:10	2007-01-30
115012	GS-12	SOIL	2007-01-29	14:12	2007-01-30
115013	GS-13	SOIL	2007-01-29	14:15	2007-01-30
115014	GS-14	SOIL	2007-01-29	14:17	2007-01-30
115015	EAST PILE	SOIL	2007-01-29	14:30	2007-01-30
115016	WEST PILE	SOIL	2007-01-29	14:40	2007-01-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 29 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Blain Letruich 4

Dr. Blair Leftwich, Director

Standard Flags B - The sample contains less than ten times the concentration found in the method blank.

Analytical Report

Sample: 114999 - GS-1

Analysis: BTEX		Analytical]	Analytical Method: S 8021B			Prep Method:		
QC Batch: 34156		Date Analy	Date Analyzed: 2007-01-31			Analyzed By:		
Prep Batch: 29648		Sample Pre	paration:			Prepared	By: ss	
		R	L					
Parameter	Flag	Resu	lt	Units	D	vilution	RL	
Benzene		<0.010	0	mg/Kg		1	0.0100	
Toluene		<0.010	0	mg/Kg		1	0.0100	
Ethylbenzene		<0.010	0	mg/Kg		1	0.0100	
Xylene		<0.010	0	mg/Kg		1	0.0100	
					Spike	Percent	Recovery	
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits	
Trifluorotoluene (TFT)		1.02	mg/Kg	; 1	1.00	102	69 - 113	
4-Bromofluorobenzene (4-B	FB)	1.08	mg/Kg	; 1	1.00	108	63.4 - 121	

Sample: 114999 - GS-1

Analysis:	Chloride (IC)	Analytical Metho	od: E 300.0]	Prep Method:	N/A
QC Batch:	34187	Date Analyzed:	2007-02-01		Analyzed By:	AR
Prep Batch:	29664	Sample Preparati	on: 2007-01-31]	Prepared By:	AR
,		RL				
Parameter	Fla	g Result	Units	Dilution		RL
Chloride	В	9.36	mg/Kg	5		1.00

Sample: 114999 - GS-1

Analysis: QC Batch: Prep Batch:	TPH DRO 34189 29666		Analytical Metho Date Analyzed: Sample Preparat	2007-02-	-01	Analy	Method: N/A zed By: WR red By: WR
			RL				
Parameter	Fla	ıg	Result	Unit	S	Dilution	RL
DRO			<50.0	mg/K	g	1	50.0
Surragata	Floo	Popult	Units	Dilution	Spike	Percent	Recovery
Surrogate	Flag	Result		Dilution	Amount	Recovery	Limits
n-Triacontane	e	130	mg/Kg	1	150	87	70 - 130

Sample: 114999 - GS-1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	34155	Date Analyzed:	2007-01-31	Analyzed By:	SS
Prep Batch:	29636	Sample Preparation:		Prepared By:	SS

			RL				÷	
Parameter	Flag		Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
			•			Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			0.830	mg/Kg	1	1.00	83	70 - 130
4-Bromofluorobenzene (4-B	FB)		1.08	mg/Kg	1	1.00	108	70 - 130

Sample: 115000 - GS-1A

Analysis:BTEXQC Batch:34156Prep Batch:29648		Analytical I Date Analy Sample Pre	zed:	S 8021B 2007-01-31		Prep Met Analyzed Prepared	By: ss
		RI					
Parameter Flag	5	Resul	t	Units	D	ilution	RL
Benzene		< 0.010	0	mg/Kg		1	0.0100
Toluene		< 0.010	0	mg/Kg		1	0.0100
Ethylbenzene		<0.010	0	mg/Kg		1	0.0100
Xylene		0.060	8	mg/Kg		1	0.0100
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	; 1	1.00	102	69 - 113
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	<u>, 1</u>	1.00	. 104	63.4 - 121

Sample: 115000 - GS-1A

Analysis:	Chloride (IC)	Analytical Method:	E 300.0		Prep Method:	N/A
QC Batch:	34187	Date Analyzed:	2007-02-01		Analyzed By:	AR
Prep Batch:	29664	Sample Preparation:	2007-01-31		Prepared By:	AR
		RL				
Parameter	Flag	Result	Units	Dilution		RL
Chloride	В	10.7	mg/Kg	5		1.00

Sample: 115000 - GS-1A

.

Analysis:	TPH DRO		Analytical Method:	Mod. 8015E	3	1	Aethod: N/A
QC Batch:	34189		Date Analyzed:	2007-02-01		•	zed By: WR
Prep Batch:	29666		Sample Preparation:	2007-01-31		Prepai	red By: WR
			RL				
Parameter	Flag	g	Result	Units		Dilution	RL
DRO			<50.0	mg/Kg		1	50.0
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units D	ilution	Amount	Recovery	Limits
n-Triacontan	e	144	mg/Kg	1	150	96	70 - 130

Report Date: February 2, 2007	
0-0100-73	

Sample: 115000 - GS-1A

Analysis:TPH GRQC Batch:34155Prep Batch:29636	0		Analytical Date Anal Sample Pr	yzed:	S 8015B 2007-01-31		Prep Meth Analyzed Prepared I	•
			RL					
Parameter	Flag		Result		Units	D	ilution	RL
GRO			<1.00		mg/Kg		1	1.00
						Spike	Percent	Recovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)	}		0.816	mg/Kg	1	1.00	82	70 - 130
4-Bromofluorobenzene	e (4-BFB)		1.12	mg/Kg	1	1.00	112	70 - 130

Sample: 115001 - GS-1B

Analysis:	BTEX		Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	34156		Date Analyzed:	2007-01-31	Analyzed By:	SS
Prep Batch:	29648	•	Sample Preparation:		Prepared By:	SS
			RL			
Parameter		Flag	Result	Units	Dilution	RL
Benzene			<0.0100	mg/Kg	1	0.0100

Toluene		< 0.0100	0	mg/Kg		1	0.0100
Ethylbenzene		< 0.0100	0	mg/Kg		1	0.0100
Xylene		< 0.010	0 ·	mg/Kg		· 1	0.0100
					Spike	Percent	Recovery
Surrogate	Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)		0.995	mg/Kg	1	1.00	100	69 - 113
4-Bromofluorobenzene (4-BFB)		1.04	mg/Kg	1	1.00	104	63.4 - 121

Sample: 115001 - GS-1B

•

Analysis:	Chloride (IC)	Analytical Method:	E 300.0		Prep Method:	N/A
QC Batch:	34187	Date Analyzed:	2007-02-01		Analyzed By:	AR
Prep Batch:	29664	Sample Preparation:	2007-01-31		Prepared By:	AR
		RL				
Parameter	Flag	Result	Units	Dilution		RL
Chloride	В	9.97	mg/Kg	5		1.00

Sample: 115001 - GS-1B

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	34189	Date Analyzed:	2007-02-01	Analyzed By:	WR
Prep Batch:	29666	Sample Preparation:	2007-01-31	Prepared By:	WR

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			RL						
Parameter	Flag		Result		Units		Dilution		RL
DRO			<50.0		mg/Kg		1		50.0
						Spike	Percent	Re	covery
Surrogate	Flag	Result	Units	Dil	ution	Amount	Recovery		imits
n-Triacontan	e	150	mg/Kg		1	150	100	7() - 130
Sample: 115	6001 - GS-1B								
Analysis:	TPH GRO		Analytical	Method	S 8015B		Pre	p Method:	S 5035
QC Batch:	34155		Date Analy		2007-01-31				ss
Prep Batch:	29636		Sample Pre		2007 01-31			• • - •	SS
			-	•			,		
Parameter	Flag		RL Result		Units		Dilution		RL
GRO	1 lag		<1.00		mg/Kg		1		1.00
			~1.00						
						Spike	Perce		ecovery
Surrogate		Flag	Result	Units	Dilution	Amount	Recov		imits
Trifluorotolue	ene (TFT)		0.810	mg/Kg	1	1.00	81		0 - 130
	robenzene (4-BFB)		1.10	mg/Kg	1	1.00	110) 70	0 - 130
	robenzene (4-BFB)	<u>.</u>	1.10	mg/Kg	1	1.00	11(0 70	0 - 130
4-Bromofluo			1.10	mg/Kg	1	1.00	11() 70	0 - 130
4-Bromofluo Sample: 115	5002 - GS-2					1.00			
4-Bromofluo Sample: 115 Analysis:	5002 - GS-2 Chloride (IC)	<u>,</u>	Analytic	cal Method:	E 300.0		I	Prep Method	: N/A
4-Bromofluo Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC) 34187	<u>,</u>	Analytic Date An	cal Method: nalyzed:	E 300.0 2007-02-0	1		Prep Method Analyzed By	: N/A : AR
4-Bromofluo Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC)		Analytic Date An	cal Method:	E 300.0 2007-02-0	1		Prep Method	: N/A : AR
4-Bromofluo Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC) 34187		Analytic Date An	cal Method: nalyzed:	E 300.0 2007-02-0	1		Prep Method Analyzed By	: N/A : AR
4-Bromofluo Sample: 115	5002 - GS-2 Chloride (IC) 34187 29664 Flag		Analytic Date An Sample	cal Method: nalyzed:	E 300.0 2007-02-0	1		Prep Method Analyzed By	: N/A : AR AR
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch:	5002 - GS-2 Chloride (IC) 34187 29664		Analytic Date An Sample RL	cal Method: nalyzed:	E 300.0 2007-02-0 : 2007-01-3	1	I I	Prep Method Analyzed By	: N/A : AR
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Parameter Chloride	5002 - GS-2 Chloride (IC) 34187 29664 Flag B		Analytic Date An Sample RL Result	cal Method: nalyzed:	E 300.0 2007-02-0 : 2007-01-3 Units	1	I Z Dilution	Prep Method Analyzed By	: N/A : AR AR RI
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter Chloride Sample: 115	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2		Analytic Date An Sample RL Result 7.42	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg	1	I Dilution 5	Prep Method: Analyzed By Prepared By:	: N/A : AR AR RI 1.00
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO		Analytic Date An Sample RL Result 7.42 Analytical	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B	1	I Dilution 5	Prep Method: Analyzed By Prepared By: Prep Method:	: N/A : AR AR <u>RI</u> 1.00
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208	· · ·	Analytic Date An Sample RL Result 7.42 Analytical Date Anal	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01	1	I Dilution 5	Prep Method: Analyzed By Prepared By: Prep Method: Analyzed By	: N/A : AR AR
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO		Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B	1	I Dilution 5	Prep Method: Analyzed By Prepared By: Prep Method:	: N/A : AR AR
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Chloride Sample: 115 Analysis: QC Batch: Prep Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208 29675		Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr RL	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31	1	I Dilution 5	Prep Method: Analyzed By Prepared By: Prep Method: Analyzed By	: N/A : AR AR : N/A : WR WR
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Chloride Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208		Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr RL Result	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31 Units	1	Dilution	Prep Method: Analyzed By Prepared By: Prep Method: Analyzed By	: N/A : AR AR RI 1.00 : N/A : WR WR RI
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Chloride Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208 29675		Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr RL	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31	1	I Dilution 5	Prep Method: Analyzed By Prepared By: Prep Method: Analyzed By	: N/A : AR AR RI 1.00 : N/A : WR WR RI
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208 29675		Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr RL Result	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31 Units	1 1	Dilution	Prep Method: Analyzed By Prepared By: Prep Method Analyzed By Prepared By:	: N/A : AR AR : N/A : WR WR RI 50.0
4-Bromofluo Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Chloride Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch:	5002 - GS-2 Chloride (IC) 34187 29664 Flag B 5002 - GS-2 TPH DRO 34208 29675	Result	Analytic Date An Sample RL Result 7.42 Analytical Date Anal Sample Pr RL Result	cal Method: nalyzed: Preparation	E 300.0 2007-02-0 : 2007-01-3 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31 Units	1	Dilution 5 Dilution 1	Prep Method: Analyzed By Prepared By: Prep Method Analyzed By Prepared By:	: N/A : AR AR

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9 2 - GS-2 PH GRO 4162					Page Nur	
		Analytical Method:	S 8015B		Prep Metho	od: S 503
		Date Analyzed:	2007-02-01		Analyzed H	
9636		Sample Preparation:			Prepared B	
		RL				
Flag			Units		Dilution	R
		<1.00			1	1.0
			<u></u> _			
			B 11 . 1	-		Recover
	Flag					Limits
						70 - 130
benzene (4-BFB)		1.14 mg/Kg	1	1.00	114	70 - 130
)3 - GS-3						
Chloride (IC)		Analytical Metho	d: E 300.0		Prep Me	thod: N/
				l		
					•	•
		rrr			I	,
		RL				-
						R
В		8.62	mg/Kg		5	1.0
93 - GS-3 IPH DRO 14208 19675		Date Analyzed:	2007-02-01		Prep Ma Analyza Prepare	ed By: W
		BI			_	-
Flag		Result	Units		Dilution	R
		<50.0	mg/Kg		1	50
				Spike	Percent	Recover
Flog	Result	Units I	Dilution	Amount	Recovery	Limits
Flag	167	mg/Kg		150	111	70 - 13
	Chloride (IC) 4187 19664 Flag B 03 - GS-3 TPH DRO 14208 19675 Flag	Flag e (TFT) benzene (4-BFB) 03 - GS-3 Chloride (IC) 44187 99664 Flag B 03 - GS-3 FPH DRO 44208 99675 Flag	FlagResult<1.00	FlagResultUnits<1.00	FlagResultUnits<1.00	FlagResultUnitsDilution<1.00

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Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery		overy mits
Trifluorotolu	ene (TFT)	`	0.825	mg/Kg	1	1.00	82	70	- 130
4-Bromofluo	robenzene (4-BFB)	··	1.10	mg/Kg	1	1.00	110	70	- 130
Sample: 115	5004 - GS-4								
Analysis:	Chloride (IC)		Analvti	cal Method:	E 300.0		Prep M	[ethod:	N/A
QC Batch:	34187			nalyzed:	2007-02-01	l	Analyz		AR
Prep Batch:	29664			Preparation			Prepar		AR
			RL						
Parameter	Flag		Result		Units		Dilution		RI
Chloride	В		10.1		mg/Kg		5		1.00
Analysis: QC Batch: Prep Batch:	TPH DRO 34189 29666		Date Ana	l Method: lyzed: reparation:	Mod. 8015B 2007-02-01 2007-01-31		•	lethod: zed By: ed By:	N// WI WI
			RL						_
Parameter	Flag		Result		Units		Dilution		RI
DRO			<50.0		mg/Kg		. 1		50.
Surrogate	Flag	Result	Units	Di	lution	Spike Amount	Percent		cover imits
n-Triacontan		135	mg/Kg		1	150	Recovery 90		- 130
Sample: 115	5004 - GS-4								
Analysis:	TPH GRO		Analytical	l Method:	S 8015B		Prep Met	hod: S	5 503:
QC Batch:	34155		Date Anal		2007-01-31		Analyzed		s
Prep Batch:	29636		Sample Pr				Prepared		s
Democratic	~1		RL Damik		TT *-		Diluti		
Parameter GRO	Flag		Result <1.00		Units mg/Kg		Dilution		$\frac{R}{1.0}$
			<1.00		mg/Kg		1		
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery		cover imits
Triffuorotolu	iene (TFT) probenzene (4-BFB)		0.814	mg/Kg	1	1.00	81		- 13(
			1.09	mg/Kg	1	1.00	109	70	- 130

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34187	Date Analyzed:	2007-02-01	Analyzed By:	AR
Prep Batch:	29664	Sample Preparation:	2007-01-31	Prepared By:	AR

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			RL				
Parameter	Flag		Result	Units		Dilution	RI
Chloride	B		9.04	mg/Kg		5	1.00
Sample: 115	005 - GS-5						
Analysis:	TPH DRO		Analytical Meth			Prep M	
QC Batch:	34189		Date Analyzed:	2007-02-01		Analyz	
Prep Batch:	29666		Sample Preparat	tion: 2007-01-31		Prepare	ed By: WF
Parameter	Flog		RL Result	Units		Dilution	RI
DRO	Flag		<50.0	mg/Kg		1	50.0
			<u>\</u> JU.U	mg/ kg			
					Spike	Percent	Recover
Surrogate	Flag	Result	Units	Dilution	Amount		
n-Triacontand Sample: 115 Analysis: QC Batch:	7005 - GS-5 TPH GRO 34155	Result 139	Units mg/Kg Analytical Metho Date Analyzed:	1 od: S 8015B 2007-01-31	-	Recovery 93 Prep Met Analyzed	Limits 70 - 130 hod: S 503 By: ss
n-Triacontand Sample: 115 Analysis: QC Batch:	e 1 005 - GS-5 TPH GRO		mg/Kg Analytical Metho	1 od: S 8015B 2007-01-31	Amount	Recovery 93 Prep Met	Limits 70 - 130 hod: S 503 By: ss
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch:	e 005 - GS-5 TPH GRO 34155 29636		mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL	1 od: S 8015B 2007-01-31 ion:	Amount 150	Recovery 93 Prep Met Analyzed Prepared	Limits 70 - 130 hod: S 503 By: ss By: ss
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Parameter	e 1 005 - GS-5 TPH GRO 34155		mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result	1 od: S 8015B 2007-01-31 ion: Units	Amount 150	Recovery 93 Prep Met Analyzed Prepared Dilution	Limits 70 - 130 hod: S 503 By: ss By: ss R
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Parameter	e 005 - GS-5 TPH GRO 34155 29636		mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL	1 od: S 8015B 2007-01-31 ion:	Amount 150	Recovery 93 Prep Met Analyzed Prepared Dilution 1	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Parameter GRO	e 005 - GS-5 TPH GRO 34155 29636	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result	1 od: S 8015B 2007-01-31 ion: Units mg/Kg	Amount 150	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent	Limits 70 - 130 hod: S 503 By: ss By: ss R 1.0 Recover
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: GRO Surrogate	e 1005 - GS-5 TPH GRO 34155 29636 Flag		mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00	1 od: S 8015B 2007-01-31 ion: Units mg/Kg nits Dilution	Amount 150 Spike	Recovery 93 Prep Met Analyzed Prepared Dilution 1	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0 Recover Limits
Surrogate n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotoluo 4-Bromofluor	e 1005 - GS-5 TPH GRO 34155 29636 Flag	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur	1 bd: S 8015B 2007-01-31 ion: Units mg/Kg its Dilution /Kg 1	Amount 150 Spike Amount	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery	Limits 70 - 130 hod: S 503 By: ss
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: GRO Surrogate Trifluorotoluc	e 005 - GS-5 TPH GRO 34155 29636 Flag ene (TFT) robenzene (4-BFB)	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur 0.823 mg/	1 bd: S 8015B 2007-01-31 ion: Units mg/Kg its Dilution /Kg 1	Amount 150 Spike Amount 1.00	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82	Limits 70 - 130 hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotoluo 4-Bromofluor Sample: 115 Analysis:	e 0005 - GS-5 TPH GRO 34155 29636 Flag ene (TFT) robenzene (4-BFB) 006 - GS-6 Chloride (IC)	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur 0.823 mg, 1.09 mg, Analytical Methods	1 od: S 8015B 2007-01-31 ion: Units mg/Kg iits Dilution /Kg 1 /Kg 1 /Kg 1 /Kg 1 /Kg 1	Amount 150 Spike Amount 1.00 1.00	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 109 Prep M	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0 Recover Limits 70 - 130 70 - 130
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotoluc 4-Bromofluor Sample: 115 Analysis: QC Batch:	e 6005 - GS-5 TPH GRO 34155 29636 Flag ene (TFT) robenzene (4-BFB) 6006 - GS-6 Chloride (IC) 34187	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur 0.823 mg, 1.09 mg, Analytical Me Date Analyzed	1 bd: S 8015B 2007-01-31 ion: Units mg/Kg hits Dilution /Kg 1 /Kg 1 ethod: E 300.0 d: 2007-02-0	Amount 150 Spike Amount 1.00 1.00	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 109 Prep M Analyzed	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 fethod: N/2 zed By: AR
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotoluc 4-Bromofluor Sample: 115 Analysis: QC Batch:	e 0005 - GS-5 TPH GRO 34155 29636 Flag ene (TFT) robenzene (4-BFB) 006 - GS-6 Chloride (IC)	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur 0.823 mg, 1.09 mg, Analytical Me Date Analyzet Sample Prepa	1 bd: S 8015B 2007-01-31 ion: Units mg/Kg hits Dilution /Kg 1 /Kg 1 ethod: E 300.0 d: 2007-02-0	Amount 150 Spike Amount 1.00 1.00	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 109 Prep M	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 fethod: N/2 zed By: AR
n-Triacontand Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotoluo 4-Bromofluor Sample: 115	e 6005 - GS-5 TPH GRO 34155 29636 Flag ene (TFT) robenzene (4-BFB) 6006 - GS-6 Chloride (IC) 34187	139	mg/Kg Analytical Metho Date Analyzed: Sample Preparati RL Result <1.00 Result Ur 0.823 mg, 1.09 mg, Analytical Me Date Analyzed	1 bd: S 8015B 2007-01-31 ion: Units mg/Kg hits Dilution /Kg 1 /Kg 1 ethod: E 300.0 d: 2007-02-0	Amount 150 Spike Amount 1.00 1.00	Recovery 93 Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 109 Prep M Analyzed	Limits 70 - 130 hod: S 503 By: ss By: ss Ri 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 fethod: N/2 zed By: AR

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Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	34208	Date Analyzed:	2007-02-01	Analyzed By:	WR
Prep Batch:	29675	Sample Preparation:	2007-01-31	Prepared By:	WR

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_			RL						
Parameter	Flag		Result		Units		Dilution		RL
DRO			<50.0		mg/Kg		1		50.0
						Spike	Percent	Recov	verv
Surrogate	Flag	Result	Units	Dil	ution	Amount	Recovery	Lim	-
n-Triacontan	e	159	mg/Kg		1	150	106	70 - 1	130
Sample: 115	5006 - GS-6								
Analysis:	TPH GRO		Analytical M	fethod:	S 8015B		Prep Me	thod: S 5	i03:
QC Batch:	34155		Date Analyz		2007-01-31		Analyze		
Prep Batch:	29636		Sample Prep				Preparec		
			RL						
Parameter	Flag		Result		Units		Dilution		RI
GRO	_		<1.00		mg/Kg		1		1.00
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Reco	
Trifluorotolu	ene (TFT)	1 14g	0.821	mg/Kg	1	1.00	82	70 -	
	probenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 -	
Analysis: QC Batch:	5007 - GS-7 Chloride (IC) 34187 29664		Date Ana	l Method: lyzed: reparation	E 300.0 2007-02-01 2007-01-31		Analy	yzed By:	AR
Analysis: QC Batch:	Chloride (IC) 34187		Date Ana	lyzed:	2007-02-01		Analy	yzed By:	AR
Sample: 115 Analysis: QC Batch: Prep Batch: Parameter	Chloride (IC) 34187		Date Ana Sample P	lyzed:	2007-02-01		Analy	yzed By:	AR AR
Analysis: QC Batch: Prep Batch:	Chloride (IC) 34187 29664		Date Ana Sample P RL	lyzed:	2007-02-01 2007-01-31		Analy Prepa	yzed By: . ared By: .	AR AR RI
Analysis: QC Batch: Prep Batch: Parameter Chloride	Chloride (IC) 34187 29664 Flag		Date Ana Sample P RL Result	lyzed:	2007-02-01 2007-01-31 Units		Analy Prepa Dilution	yzed By: . ared By: .	AR AR RI
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115	Chloride (IC) 34187 29664 Flag 5007 - GS-7		Date Ana Sample P RL Result <5.00	lyzed: reparation	2007-02-01 2007-01-31 Units mg/Kg		Analy Prepa Dilution 5	yzed By: /	AR AR RI 1.0
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis:	Chloride (IC) 34187 29664 Flag		Date Ana Sample P RL Result <5.00	lyzed: reparation	2007-02-01 2007-01-31 Units		Analy Prepa Dilution 5 Prep	yzed By: /	AR AR <u>RI</u> 1.0
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch:	Chloride (IC) 34187 29664 Flag 5007 - GS-7 TPH DRO		Date Ana Sample P RL Result <5.00	lyzed: reparation	2007-02-01 2007-01-31 Units mg/Kg Mod. 8015B		Analy Prepa Dilution 5 Prep Analy	yzed By: // wred By: // Method: yzed By:	AR AR <u>R</u>] <u>1.0</u> N/2 W]
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch: Prep Batch:	Chloride (IC) 34187 29664 Flag 5007 - GS-7 TPH DRO 34208 29675		Date Ana Sample P RL Result <5.00 Analytical I Date Analy Sample Pre RL	lyzed: reparation	2007-02-01 2007-01-31 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31		Analy Prepa Dilution 5 Prep Analy Prepa	yzed By: // wred By: // Method: yzed By:	AR AR RI 1.0 N// WI WI
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter	Chloride (IC) 34187 29664 Flag 5007 - GS-7 TPH DRO 34208		Date Ana Sample P RL Result <5.00 Analytical I Date Analy Sample Pre RL Result	lyzed: reparation	2007-02-01 2007-01-31 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31 Units		Analy Prepa Dilution 5 Prep Analy	yzed By: Ired By: Method: yzed By: ared By:	N/A AR AR RI 1.00 N/A WH WH
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch:	Chloride (IC) 34187 29664 Flag 5007 - GS-7 TPH DRO 34208 29675		Date Ana Sample P RL Result <5.00 Analytical I Date Analy Sample Pre RL	lyzed: reparation	2007-02-01 2007-01-31 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31		Analy Prepa Dilution 5 Prep Analy Prepa	yzed By: Ired By: Method: yzed By: ared By:	AR AR I.0 N/2 WI WI R
Analysis: QC Batch: Prep Batch: Parameter Chloride Sample: 115 Analysis: QC Batch: Prep Batch:	Chloride (IC) 34187 29664 Flag 5007 - GS-7 TPH DRO 34208 29675	Result	Date Ana Sample P RL Result <5.00 Analytical I Date Analy Sample Pre RL Result	lyzed: reparation Method: zed: paration:	2007-02-01 2007-01-31 Units mg/Kg Mod. 8015B 2007-02-01 2007-01-31 Units		Analy Prepa Dilution 5 Prep Analy Prepa	yzed By: Ired By: Method: yzed By: ared By:	AR AR RI 1.00 N/2 WH WH WH WH WH WH

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Sample: 115	007 - GS-7								
Analysis:	TPH GRO		Analytical	Method:	S 8015B		Prep Meth	10d: S	5035
QC Batch:	34155		Date Analy		2007-01-31		Analyzed		
Prep Batch:	29636		Sample Pr				Prepared 1		6
			RL						
Parameter	Flag		Result		Units		Dilution		RL
GRO		· · · · · ·	<1.00		mg/Kg		1		1.00
						Spike	Percent	Rec	overy
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery		mits
Trifluorotolu			0.823	mg/Kg	1	1.00	82		- 130
4-Bromofluo	robenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70	- 130
Sample: 115 Analysis:	6 008 - GS-8 Chloride (IC)		Analyti	cal Method	: E 300.0		Prep M	lethod:	N/A
QC Batch:	34187			nalyzed:	2007-02-01	l	Analyz		AR
Prep Batch:	29664			Preparation			Prepare	•	AR
-r			-	· r					
Parameter	Floo		RL Result		Units		Dilution		RL
Chloride	Flag B		8.05		mg/Kg		5		1.00
			0.05						1.00
Sample: 115									
Analysis:	TPH DRO			l Method:	Mod. 8015B		Prep M		N/A
QC Batch:	34208		Date Ana		2007-02-01			ed By:	WR
Prep Batch:	29675		-	reparation:	2007-01-31		Prepare	ea By:	WR
Parameter	Flag		RL Result		Units		Dilution		RL
DRO	1 14g		<50.0		mg/Kg		1		50.0
		Deck				Spike	Percent		overy
Surrogate n-Triacontan	Flag	Result 166	Units mg/Kg		ilution	Amount 150	Recovery 111		mits - 130
n-macontan		100	mg/⊾g		1	130	111	/0	- 130
Sample: 115 Analysis: QC Batch: Prep Batch:	5008 - GS-8 TPH GRO 34155 29636		Analytical Date Anal Sample Pr		S 8015B 2007-01-31		Prep Met Analyzed Prepared	l By: s	5035 s s
- op Succil.	000			-Language			Toparou		-
Doromotor	Ela~		RL Result		Units		Dilution		ы
Parameter GRO	Flag		<1.00		mg/Kg		Dilution 1		RL 1.00

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Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Frifluorotolue	ene (TFT)	1 145	0.822	mg/Kg	1	1.00	82	70 - 130
	robenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 130
Sample: 115	5009 - GS-9							
Analysis:	Chloride (IC)		Analyti	cal Method:	E 300.0		Prep M	lethod: N/A
QC Batch:	34188		Date A	nalyzed:	2007-02-01	l	Analyz	
Prep Batch:	29665		Sample	Preparation	: 2007-01-31	l	Prepare	ed By: AR
			RL					
Parameter	Flag		Result		Units		Dilution	RL
Chloride			< 5.00		mg/Kg		5	1.00
Sample: 115 Analysis: QC Batch: Prep Batch:	5 009 - GS-9 TPH DRO 34208 29675		Date Ana	al Method: Ilyzed: reparation:	Mod. 8015B 2007-02-01 2007-01-31			fethod: N/A zed By: WR ed By: WR
			RL					
Parameter	Flag		Result		Units		Dilution	RI
DRO			<50.0		mg/Kg		1	50.0
a ,		Dent		D'	1	Spike	Percent	Recovery Limits
Surrogate n-Triacontan	Flag	Result 156	Units mg/Kg		lution 1	Amount 150	Recovery 104	70 - 130
· · · · · · · · · · · · · · · · · · ·			III <u>B</u> / IX <u>B</u>					10 100
Sample: 115	م							
Analysis:	TPH GRO			l Method:	S 8015B			hod: S 503
QC Batch: Prep Batch:	34155		Date Anal	lyzed: reparation:	2007-01-31		Analyzed Prepared	
riep Baten:	29636		Sample P	reparation;			riepaied	By: ss
Parameter	Flag		RL Result		Units		Dilution	R
GRO	1 14g		<1.00		mg/Kg		1	1.0
						•-		
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recover Limits
T.: 1	ene (TFT)		0.820	mg/Kg	1	1.00	82	70 - 130
	robenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	70 - 130

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Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	34188	Date Analyzed:	2007-02-01	Analyzed By:	AR
Prep Batch:	29665	Sample Preparation:	2007-01-31	Prepared By:	AR

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			RL						
Parameter	Flag		Result		Units		Dilution		RI
Chloride	В		8.09		mg/Kg		5	1.	.00
Sample: 115	5010 - GS-10								
Analysis:	TPH DRO		Analytical I		Mod. 8015B				J/A
QC Batch:	34208		Date Analy:		2007-02-01			-	VF
Prep Batch:	29675		Sample Pre	paration:	2007-01-31		Prepar	ed By: W	VF
D	Els -		RL		TT. N.		Dilden		
Parameter DRO	Flag		Result <50.0		Units		Dilution		RJ
DKU			< 30.0		mg/Kg		1		0.
Surrogate	Flag	Result	Units	Di	lution	Spike Amount	Percent Recovery	Recov Limi	
n-Triacontan		165	mg/Kg		1	150	110	70 - 1	
Prep Batch:	29636		Sample Prep	, urutioni,			Prepared	By: ss	
Parameter	Flag		Result		Units		Dilution	:	R
GRO			<1.00		mg/Kg		1	1	0
Sumo coto		Floo	Decult	T In ita	Dilution	Spike	Percent	Recov	
Surrogate Trifluorotolu	ana (TET)	Flag	Result 0.821	Units mg/Kg	Dilution	Amount 1.00	Recovery 82	Limi 70 - 1	
	probenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70 - 1	
Sample: 11	5011 - GS-11								
Analysis:	Chloride (IC)		Analytica	I Method:	E 300.0		Prep M	Method: N	N/.
QC Batch:	34188		Date Ana	lyzed:	2007-02-0	1			٩F
Prep Batch:	29665		Sample P	reparation	n: 2007-01-3	1	Prepa	red By: A	ĄF
Parameter	Ela -		RL Result		TT !+-		Dilution		р
Chloride	Flag B	······	7.49		Units mg/Kg		Dilution 5		R 1.0
	5011 - GS-11								
Analysis:	TPH DRO		Analytical 3	Method:	Mod. 8015B		Pren M	Aethod: N	J/

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	34208	Date Analyzed:	2007-02-01	Analyzed By:	WR
Prep Batch:	29675	Sample Preparation:	2007-01-31	Prepared By:	WR

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Demonst	101		RL		TT .			-
Parameter DRO	Flag		Result <50.0		Units		Dilution	R 50
			< 30.0		mg/Kg		1	50
Surrogate	Flag	Result	Units	Dih	ution	Spike Amount	Percent Recovery	Recove Limit
n-Triacontan	e	149	mg/Kg		1	150	99	70 - 13
Sample: 115	5011 - GS-11							
Analysis:	TPH GRO		Analytical	Method	S 8015B		Prep Met	thod: S 50.
QC Batch:	34155		Date Analy		2007-01-31		Analyzed	
Prep Batch:	29636		Sample Pre		507 01-31		Prepared	
_			DI	-			-	•
Parameter	Flag		RL Result		Units		Dilution	F
GRO	1105		<1.00		mg/Kg		1	1.
	·····							
G		F1	Decult	T.T		Spike	Percent	Recove
Surrogate Trifluorotolu	ana (TET)	Flag	Result	Units	Dilution	Amount		
	robenzene (4-BFB)		0.823 1.09	mg/Kg mg/Kg	1	1.00 1.00	82 109	70 - 13 70 - 13
Sample: 115 Analysis: QC Batch:	5012 - GS-12 Chloride (IC) 34188	-	Analytic Date Ar	cal Method:	E 300.0			Method: N zed By: A
Prep Batch:	29665			Preparation:	2007-02-0 2007-01-3			zed By: A red By: A
			RL					
Parameter	Flag		Result		Units		Dilution	F
Chloride	В		7.46		mg/Kg		5	1.
Sample: 11	5012 - GS-12							
Analysis:	TPH DRO		Analytica	l Method:	Mod. 8015B		Prep M	Method: N
QC Batch:	34208		Date Anal	lyzed:	2007-02-01		Analy	zed By: W
Prep Batch:	29675		Sample P	reparation:	2007-01-31		Prepa	red By: W
Parameter	Flag		RL Result		Units		Dilution	F
DRO	1 14g		<50.0		mg/Kg		1	5(
						Spike	Percent	Recove
G		D. 1/	* * * .					
Surrogate n-Triacontan	Flag	Result 143	Units mg/Kg		ution 1	Amount 150	Recovery 95	Limit 70 - 13

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Sample: 115 Analysis: QC Batch: Prep Batch:	012 - GS-12			Teague	7013010 10		Page Nu		
QC Batch:									
QC Batch:	TPH GRO		Analytical	Method:	S 8015B		Prep Met	hod: S	5035
	34162		Date Analy		2007-02-01		Analyzed		5
	29636		Sample Pre				Prepared		5
			RL	•					
Parameter	Flag		Result		Units		Dilution		RI
GRO			<1.00		mg/Kg		1		1.0
						Spike	Percent	Rec	over
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery		mits
Frifluorotolue	ene (TFT)		0.827	mg/Kg	1	1.00	83		- 130
	robenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	70	- 130
Sample: 115	013 - GS-13								
Analysis:	Chloride (IC)		Analytic	al Method:	E 300.0		Prep N	Aethod:	N//
QC Batch:	34188		Date An	alyzed:	2007-02-01		Analy	zed By:	AR
Prep Batch:	29665		Sample	Preparation	: 2007-01-31		Prepar	red By:	AR
D	F 1		RL		TT		Dilution		ות
Parameter Chloride	Flag B		Result 7,72		Units mg/Kg		Dilution 5		RI 1.0
			1.14		iiig/Kg				1.00
Sample: 115	013 - GS-13								
Analysis:	TPH DRO		Analytical	Method.	Mod. 8015B		Pren M	Method:	N/A
QC Batch:	34208		Date Anal		2007-02-01			zed By:	WF
Prep Batch:	29675			eparation:	2007-01-31			red By:	WI
-			-	-			-	-	
_			RL						
Parameter	Flag		Result		Units		Dilution		R
DRO			<50.0		mg/Kg		1		50.
						Spike	Percent	Rec	cover
Surrogate	Flag	Result	Units	Dil	ution	Amount	Recovery		imits
n-Triacontane		158	mg/Kg		1	150	105	70	- 130

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Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery		overy nits
Trifluorotolue	ne (TFT)		0.823	mg/Kg	1	1.00	82	70 -	130
4-Bromofluoro	obenzene (4-BFB)		1.09	mg/Kg	1	1.00	109	70 -	130
Sample: 1150)14 - GS-14								
	Chloride (IC)			ical Method:			Prep M		N/A
•	34188			nalyzed:	2007-02-01		Analyz		AR
Prep Batch:	29665		Sample	e Preparation	: 2007-01-31	l	Prepare	ed By:	AR
_			RL				5 4.4		DI
Parameter	Flag B		Result		Units		Dilution		RL
Chloride	U		7.85		mg/Kg		5		1.00
Sample: 1150	014 - GS-14								
2	TPH DRO			al Method:	Mod. 8015B		Prep M		N/A
•	34208		Date Ana		2007-02-01		Analyz	•	WF
Prep Batch:	29675		Sample F	Preparation:	2007-01-31		Prepare	ed By:	WF
Description	F 1		RL Barrit		T.T.: 14-		Dilution		ות
Parameter DRO	Flag		Result <50.0		Units mg/Kg		Dilution 1		RI 50.0
DRO	•		< 50.0				`		•
Gumerata	Floo	Result	Units	D:	lution	Spike	Percent		over mits
Surrogate n-Triacontane	Flag	167	mg/Kg		1	Amount 150	Recovery 111		- 130
QC Batch:	014 - GS-14 TPH GRO 34162 29636		Date Ana	l Method: lyzed: reparation:	S 8015B 2007-02-01		Prep Met Analyzed Prepared	By: s	5
r rop Buton.	27030		RL	reputation.			Tiopurou	29. 0	
Parameter	Flag		Result		Units		Dilution		R
GRO			<1.00		mg/Kg		1		1.0
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Li	over mits
Trifluorotolue			0.820	mg/Kg	1	1.00	82		- 130
4-Bromofluor	obenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	70	- 13(
Sample: 1150	015 - EAST PILE								
Analysis:	Chloride (IC)		Analyt	ical Method:	E 300.0		Prep N	fethod:	N/.
QC Batch:	34188			nalyzed:	2007-02-0		Analy	zed By:	AF
Prep Batch:	29665		Sample	e Preparation	2007-01-3	1	Prenar	ed Bv	AR

Sample Preparation: 2007-01-31

Prepared By: AR

Prep Batch: 29665

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				RL				
Parameter		Flag		Result	Units		Dilution	RI
Chloride		В		8.66	mg/Kg		5	1.0
Sample: 115	015 - EAST	F PILE						
Analysis:	TPH DRO	•		Analytical Method	: Mod. 8015B		Prep M	lethod: N/A
QC Batch:	34208			Date Analyzed:	2007-02-01			ed By: WF
Prep Batch:	29675			Sample Preparatio			Prepare	
Trop Duroin								
_				RL				
Parameter		Flag		Result	Units		Dilution	R
DRO				<50.0	mg/Kg		1	50.
						Spike	Percent	Recover
	F	lag	Result	Units	Dilution	Amount	Recovery	Limits
Surrogate						1.50	100	70 - 130
n-Triacontan Sample: 115 Analysis:	e 6015 - EAS TPH GRC	TPILE	154	mg/Kg Analytical Method		150	103 Prep Met	hod: S 503
n-Triacontan Sample: 115 Analysis: QC Batch:	e 6015 - EAS'	TPILE	154	Analytical Method Date Analyzed: Sample Preparatior	S 8015B 2007-02-01	150		hod: S 503 By: ss
Surrogate n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch:	e 6015 - EAS TPH GRO 34162	T PILE	154	Analytical Method Date Analyzed: Sample Preparatior RL	S 8015B 2007-02-01 :		Prep Met Analyzed Prepared	hod: S 503 By: ss By: ss
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Parameter	e 6015 - EAS TPH GRO 34162	TPILE	154	Analytical Method Date Analyzed: Sample Preparation RL Result	S 8015B 2007-02-01 : Units		Prep Met Analyzed Prepared Dilution	hod: S 503 By: ss By: ss R
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Parameter	e 6015 - EAS TPH GRO 34162	T PILE	154	Analytical Method Date Analyzed: Sample Preparatior RL	S 8015B 2007-02-01 :		Prep Met Analyzed Prepared	hod: S 503 By: ss By: ss
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Parameter GRO	e 6015 - EAS TPH GRO 34162	T PILE		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00	S 8015B 2007-02-01 : Units mg/Kg	Spike	Prep Met Analyzed Prepared Dilution 1 Percent	hod: S 503 By: ss By: ss R 1.0 Recover
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: GRO Surrogate	e 1015 - EAS TPH GRC 34162 29636	T PILE	154 Flag	Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units	S 8015B 2007-02-01 : Units mg/Kg Dilution	Spike	Prep Met Analyzed Prepared Dilution 1 Percent Recovery	hod: S 503 By: ss By: ss R 1.0 Recover Limits
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: GRO Surrogate Trifluorotolu	e 1015 - EAS' TPH GRC 34162 29636 - -	Flag		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K	S 8015B 2007-02-01 :	Spike Amount 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch:	e 1015 - EAS' TPH GRC 34162 29636 - -	Flag		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units	S 8015B 2007-02-01 :	Spike	Prep Met Analyzed Prepared Dilution 1 Percent Recovery	hod: S 503 By: ss By: ss R 1.0 Recover Limits
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: GRO Surrogate Trifluorotolu 4-Bromofluo	e 015 - EAS TPH GRC 34162 29636 - - - - - - - - - - - - -	T PILE		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K	S 8015B 2007-02-01 :	Spike Amount 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotolu 4-Bromofluo Sample: 115 Analysis:	e 7015 - EAS' TPH GRC 34162 29636 ene (TFT) robenzene (5016 - WES Chloride (Flag (4-BFB)		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K 1.10 mg/K	S 8015B 2007-02-01 : Units mg/Kg Dilution g 1 g 1	Spike Amount 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 110 Prep M	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotolu 4-Bromofluo Sample: 115 Analysis: QC Batch:	e 1015 - EAS' TPH GRC 34162 29636 ene (TFT) robenzene (5016 - WES Chloride (34188	Flag (4-BFB)		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K 1.10 mg/K Analytical Meth Date Analyzed:	S 8015B 2007-02-01 : Units mg/Kg Dilution g 1 g 1 dig 1 dig 1 g 2 1	Spike Amount 1.00 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 110 Prep M Analyz	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotolu 4-Bromofluo Sample: 115 Analysis: QC Batch:	e 7015 - EAS' TPH GRC 34162 29636 ene (TFT) robenzene (5016 - WES Chloride (Flag (4-BFB)		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K 1.10 mg/K	S 8015B 2007-02-01 : Units mg/Kg Dilution g 1 g 1 dig 1 g 1 od: E 300.0 2007-02-0	Spike Amount 1.00 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 110 Prep M Analyz	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotolu 4-Bromofluo Sample: 115	e 1015 - EAS' TPH GRC 34162 29636 ene (TFT) robenzene (5016 - WES Chloride (34188	Flag (4-BFB)		Analytical Method Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K 1.10 mg/K Analytical Meth Date Analyzed: Sample Preparat	S 8015B 2007-02-01 : Units mg/Kg Dilution g 1 g 1 dig 1 g 1 od: E 300.0 2007-02-0	Spike Amount 1.00 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 110 Prep M Analyz	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 70 - 130
n-Triacontan Sample: 115 Analysis: QC Batch: Prep Batch: Prep Batch: Parameter GRO Surrogate Trifluorotolu 4-Bromofluo Sample: 115 Analysis: QC Batch:	e 1015 - EAS' TPH GRC 34162 29636 ene (TFT) robenzene (5016 - WES Chloride (34188	Flag (4-BFB)		Analytical Method: Date Analyzed: Sample Preparation RL Result <1.00 Result Units 0.816 mg/K 1.10 mg/K Analytical Meth Date Analyzed:	S 8015B 2007-02-01 : Units mg/Kg Dilution g 1 g 1 dig 1 g 1 od: E 300.0 2007-02-0	Spike Amount 1.00 1.00	Prep Met Analyzed Prepared Dilution 1 Percent Recovery 82 110 Prep M Analyz	hod: S 503 By: ss By: ss R 1.0 Recover Limits 70 - 130 70 - 130 70 - 130 70 - 130

Sample: 115016 - WEST PILE

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Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	34208	Date Analyzed:	2007-02-01	Analyzed By:	WR
Prep Batch:	29675	Sample Preparation:	2007-01-31	Prepared By:	WR

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			RL					
Parameter	Flag		Result		Units	D	ilution	RL
DRO			<50.0		mg/Kg		1	50.0
Sumo coto	Flag	Docult	Units	D	ilution	Spike Amount	Percent	Recovery Limits
Surrogate I n-Triacontane	Flag	Result 150	mg/Kg		1	150	Recovery 100	70 - 130
		150	 		1	150	100	10 150
Sample: 115016 - WES	ST PILE							
Analysis: TPH GRO)		Analytica	l Method:	S 8015B		Prep Meth	nod: S 503:
QC Batch: 34162			Date Anal	lyzed:	2007-02-01		Analyzed	
Prep Batch: 29636				reparation:			Prepared I	
Parameter	Floo		RL Result		Units	Г	ilution	RI
GRO	Flag		<1.00		mg/Kg	D	1	1.0
a .			D			Spike	Percent	Recover
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery	Limits
Trifluorotoluene (TFT)			0.822	mg/Kg	1	1.00	82	70 - 130
Method Blank (1)	(4-BFB) QC Batch:	34155	1.11	mg/Kg		1.00		/0 - 130
Method Blank (1) (QC Batch: 34155		34155	Date Ai	nalyzed: 2	2007-01-31 2007-01-30		Analy	yzed By: ss
Method Blank (1) (QC Batch: 34155		34155	Date Ai	nalyzed: 2	2007-01-31 2007-01-30	1.00	Analy	yzed By: ss
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter		34155 Flag	Date Ai	nalyzed: 2 paration: 2 MD Resu	2007-01-31 2007-01-30 L It	Units	Analy Prepa	yzed By: se ired By: se R
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter			Date Ai	nalyzed: 2 paration: 2 MD	2007-01-31 2007-01-30 L It		Analy Prepa	yzed By: se ired By: se R
Method Blank (1) (QC Batch: 34155 Prep Batch: 29636 Parameter GRO		Flag	Date Ai QC Pre	nalyzed: 2 paration: 2 MDI Resul <0.82	2007-01-31 2007-01-30 L It 9	Units mg/K Spike	Analy Prepa s g Percent	yzed By: ss red By: ss Ri Ri Recover
Method Blank (1) (QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate			Date Ai QC Pre	nalyzed: 2 paration: 2 MDI Resul <0.82 Units	2007-01-31 2007-01-30 L It	Units mg/K Spike Amount	Analy Prepa g Percent Recovery	yzed By: ss red By: ss R 1 Recover Limits
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT)	QC Batch:	Flag	Date Ai QC Pre Result 0.912	nalyzed: 2 paration: 2 MDJ Resul <0.82 Units mg/Kg	2007-01-31 2007-01-30 L It 9	Units mg/K Spike Amount 1.00	Analy Prepa g Percent Recovery 91	yzed By: ss ared By: ss Rl Recover Limits 70 - 130
QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene	QC Batch:	Flag Flag	Date Ai QC Pre	nalyzed: 2 paration: 2 MDI Resul <0.82 Units	2007-01-31 2007-01-30 L It 9	Units mg/K Spike Amount	Analy Prepa g Percent Recovery	red By: ss RI 1 Recover
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1)	QC Batch:	Flag Flag	Date Ar QC Pre Result 0.912 0.964	nalyzed: 2 paration: 2 MD Resu <0.82 Units mg/Kg mg/Kg	2007-01-31 2007-01-30 L It 9	Units mg/K Spike Amount 1.00	Analy Prepa g Percent Recovery 91 96	yzed By: ss ared By: ss Rl 1 Recover Limits 70 - 130 70 - 130
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1) QC Batch: 34156	QC Batch:	Flag Flag	Date Ai QC Prej Result 0.912 0.964 Date Ai	nalyzed: 2 paration: 2 MD Resu <0.82 Units mg/Kg mg/Kg mg/Kg	2007-01-31 2007-01-30 L lt 9 Dilution 1 1 2007-01-31 2007-01-30	Units mg/K Spike Amount 1.00	Analy Prepa g Percent Recovery 91 96 96 Analy	yzed By: ss red By: ss Rl Recover Limits 70 - 130 70 - 130 70 - 130
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1) QC Batch: 34156 Prep Batch: 29648	QC Batch:	Flag Flag	Date Ai QC Prej Result 0.912 0.964 Date Ai	nalyzed: 2 paration: 2 MD Resu <0.82 Units mg/Kg mg/Kg mg/Kg nalyzed: 2 paration: 2	2007-01-31 2007-01-30 L lt 9 Dilution 1 1 2007-01-31	Units mg/K Spike Amount 1.00	Analy Prepa g Percent Recovery 91 96 Analy Prepa	yzed By: ss red By: ss Rl 1 Recover Limits 70 - 130 70 - 130 70 - 130 yzed By: ss ared By: ss
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1) QC Batch: 34156 Prep Batch: 29648 Parameter Benzene	QC Batch:	Flag Flag 34156	Date Ai QC Prej Result 0.912 0.964 Date Ai	nalyzed: 2 paration: 2 MDJ Resu <0.82 Units mg/Kg mg/Kg mg/Kg nalyzed: 2 paration: 2 M Re <0.00	2007-01-31 2007-01-30 L lt 9 Dilution 1 1 1 2007-01-31 2007-01-30 IDL ssult 270	Units mg/K Spike Amount 1.00 1.00	Analy Prepa g Percent Recovery 91 96 96 Analy Prepa	yzed By: ss red By: ss Rl 1 Recover Limits 70 - 130 70 - 130 70 - 130 yzed By: ss ared By: ss Rl 0.0
Method Blank (1) QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1) QC Batch: 34156 Prep Batch: 29648 Parameter Benzene Toluene	QC Batch:	Flag Flag 34156	Date Ai QC Prej Result 0.912 0.964 Date Ai	nalyzed: 2 paration: 2 MDJ Resul <0.82 Units mg/Kg mg/Kg mg/Kg nalyzed: 2 paration: 2 M Re <0.00 <0.00	2007-01-31 2007-01-30 L lt 9 Dilution 1 1 2007-01-31 2007-01-30 IDL sult 270 320	Units mg/K Spike Amount 1.00 1.00 Unit mg/k mg/k	Analy Prepa g Percent Recovery 91 96 Analy Prepa ts Cg	yzed By: ss red By: ss Rl 1 Recover Limits 70 - 13(70 - 13(70 - 13(70 - 13(9) yzed By: ss red By: ss Rl 0.0 0.0
Method Blank (1) (QC Batch: 34155 Prep Batch: 29636 Parameter GRO Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Method Blank (1) (QC Batch: 34156	QC Batch:	Flag Flag 34156	Date Ai QC Prej Result 0.912 0.964 Date Ai	nalyzed: 2 paration: 2 MDJ Resu <0.82 Units mg/Kg mg/Kg mg/Kg nalyzed: 2 paration: 2 M Re <0.00	2007-01-31 2007-01-30 L lt 9 Dilution 1 1 2007-01-31 2007-01-30 IDL sult 270 320 340	Units mg/K Spike Amount 1.00 1.00	Analy Prepa g Percent Recovery 91 96 Analy Prepa	yzed By: ss red By: ss Rl 1 Recover Limits 70 - 130 70 - 130 70 - 130

Report Date: Febr 0-0100-73	ruary 2, 2007			Work Order: ´ Teague			Page Nun	nber: 19	of 29
Surrogate		Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recc Lin	-
Trifluorotoluene (TFT)	0	1.01	mg/Kg	1	1.00	101		113
4-Bromofluorober			0.914	mg/Kg	1	1.00	91	63.4	
Method Blank (1) QC Batch: 3	34162							
QC Batch: 341	62				07-02-01		Analy	zed By:	SS
Prep Batch: 296	36		QC Prej	paration: 20	07-01-30		Prepa	red By:	SS
Parameter		Flag		MDL Result		Units			RI
GRO		riag		<0.829		mg/Kg			1
						Spike	Percent	Rece	overy
Surrogate		Flag	Result	Units	Dilution	Amount	Recovery		nits
Trifluorotoluene (0.914	mg/Kg	1	1.00	91		130
4-Bromofluorober	nzene (4-BFB)		0.919	mg/Kg	1	1.00	92	70 -	130
QC Batch: 341	87	4187	Date An		07-02-01		Analyz		
QC Batch: 341	87	4187		paration: 200	07-02-01 07-01-31		Analyz Prepare		
QC Batch: 341 Prep Batch: 296	87 64			eration: 200 MDL		Unite			AR
QC Batch: 341 Prep Batch: 296 Parameter	87 64	4187 Flag		oaration: 200 MDL Result		Units mg/Kg			AR RI
QC Batch: 341 Prep Batch: 296 Parameter	87 64			eration: 200 MDL		Units mg/Kg			AR
QC Batch: 341 Prep Batch: 296 Parameter Chloride	87 64	Flag		oaration: 200 MDL Result					AR RI
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1)	87 64 9 QC Batch: 3	Flag		MDL Result 1.90			Prepare	ed By:	AR RI 1
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341	87 64 QC Batch: 3 88	Flag	QC Prep	MDL Result 1.90	07-01-31		Prepare	ed By:	AR RI 1
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296	87 64 QC Batch: 3 88	Flag 4188	QC Prep	MDL Result 1.90 alyzed: 200 paration: 200 MDL	07-01-31	mg/Kg	Prepare	ed By:	AR AR
Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter	87 64 QC Batch: 3 88	Flag	QC Prep	MDL Result 1.90 alyzed: 200 paration: 200 MDL Result	07-01-31	mg/Kg Units	Prepare Analyz Prepare	ed By:	AR RI 1 AR AR RI
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296	87 64 QC Batch: 3 88	Flag 4188	QC Prep	MDL Result 1.90 alyzed: 200 paration: 200 MDL	07-01-31	mg/Kg	Prepare Analyz Prepare	ed By:	AR RI 1 AR AR RI
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter	87 64 QC Batch: 3- 88 65	Flag 4188 Flag	QC Prep	MDL Result 1.90 alyzed: 200 paration: 200 MDL Result	07-01-31	mg/Kg Units	Prepare Analyz Prepare	ed By:	AR RI 1 AR AR RI
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter Chloride Method Blank (1 QC Batch: 341	 87 64 QC Batch: 3- 88 65 9 QC Batch: 3- 	Flag 4188 Flag	QC Prep Date An QC Prep Date An	alyzed: 200 MDL Result 1.90 alyzed: 200 MDL Result 1.90	07-01-31	mg/Kg Units	Prepare	ed By: red By: ed By: ed By:	AR RI 1 AR AR RI 1
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter Chloride Method Blank (1 QC Batch: 341	 87 64 QC Batch: 3- 88 65 9 QC Batch: 3- 	Flag 4188 Flag	QC Prep Date An QC Prep	alyzed: 200 MDL Result 1.90 alyzed: 200 MDL Result 1.90	07-01-31	mg/Kg Units	Prepare	ed By: red By: ed By: ed By:	AR RI 1 AR AR RI 1
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter Chloride Method Blank (1 QC Batch: 341	 87 64 QC Batch: 3- 88 65 9 QC Batch: 3- 	Flag 4188 Flag	QC Prep Date An QC Prep Date An	alyzed: 200 MDL Result 1.90 alyzed: 200 MDL Result 1.90	07-01-31	mg/Kg Units	Prepare	ed By: red By: ed By: ed By:	AR RI 1 AR AR RI 1 WR
QC Batch: 341 Prep Batch: 296 Parameter Chloride Matrix Blank (1) QC Batch: 341 Prep Batch: 296 Parameter Chloride Method Blank (1 QC Batch: 341	 87 64 QC Batch: 3- 88 65 9 QC Batch: 3- 	Flag 4188 Flag	QC Prep Date An QC Prep Date An	MDL Result 1.90 alyzed: 200 paration: 200 MDL Result 1.90 alyzed: 200 paration: 200	07-01-31	mg/Kg Units	Prepare	ed By: red By: ed By: ed By:	AR RI 1

0-0100-73	2, 2007			der: 7013010 ague 10	U		Pag	e Number	: 20 of 29
Surrogate I	Flag	Result	Units	Dilution	Spik Amou		Percent Recovery		Recovery Limits
n-Triacontane		143	mg/Kg	1	150		95		70 - 130
Method Blank (1)	QC Batch: 3-	4208							
QC Batch: 34208			Date Analyzed:	2007-02-0	1		А	nalyzed B	y: WF
Prep Batch: 29675			QC Preparation:	2007-02-0	1		Р	repared B	y: WF
Parameter		Flag		1DL esult		Unit	s		R
DRO			<	15.4		mg/K	g		5
					Spik	æ	Percent		Recover
	Flag	Result	Units	Dilution	Amo		Recovery	y	Limits
n-Triacontane		136	mg/Kg	1	150)	91		70 - 13
Param		LCS Resul		Dil.	Spike Amount	Mat Res	ult I	Rec.	Rec. Limi
GRO		0 1 1	/ * *	1	10.0		200	~ ~	
0100		8.33	mg/Kg	1	10.0	<0.8	529	83	70 - 13
Percent recovery is base	ed on the spi	· · · · ·					829	83	70 - 13
Percent recovery is base	ed on the spi	ke result. RPD LCSD	is based on the s	pike and spik	e duplicate 1 Matrix	esult.	Rec.		RP
Percent recovery is base Param	ed on the spi	ke result. RPD LCSD Result	is based on the sp Units Dil.	pike and spik Spike Amount	e duplicate r Matrix Result	result. Rec.	Rec. Limit	RPD	RP Lin
Percent recovery is base	ed on the spi	ke result. RPD LCSD Result	is based on the s	pike and spik	e duplicate 1 Matrix	esult.	Rec.	RPD	RPI Lim
Percent recovery is base Param		ke result. RPD LCSD Result 8.84	is based on the sp Units Dil. mg/Kg 1	oike and spik Spike Amount 10.0	e duplicate r Matrix Result <0.829	result. Rec. 88	Rec. Limit	RPD	RPI Lim
Percent recovery is base Param GRO Percent recovery is base		ke result. RPD LCSD Result 8.84 ke result. RPD LCS	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD	bike and spik Spike Amount 10.0 Dike and spik	e duplicate r Matrix Result <0.829 e duplicate r Sj	result. <u>Rec.</u> 88 result. pike	Rec. Limit 70 - 130 LCS	RPD 6	RP Lim 20 Rec.
Percent recovery is base Param GRO Percent recovery is base Surrogate		ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result	Dike and spike Spike Amount 10.0 Dike and spike Units	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An	result. <u>Rec.</u> 88 result. pike nount	Rec. Limit 70 - 130 LCS Rec.	RPD 6 LCSD Rec.	RPI Lim 20 Rec. Limi
Percent recovery is base Param GRO Percent recovery is base	ed on the spi	ke result. RPD LCSD Result 8.84 ke result. RPD LCS	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13	bike and spik Spike Amount 10.0 Dike and spik	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1	result. <u>Rec.</u> 88 result. pike	Rec. Limit 70 - 130 LCS	RPD 6	70 - 13 RPI Lim 20 Rec. Limit 70 - 13 70 - 13
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT)	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13	pike and spik Spike Amount 10.0 pike and spik units mg/Kg mg/Kg 2007-01-	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 31	result. <u>Rec.</u> 88 result. pike 10unt .00	Rec. Limit 70 - 130 LCS Rec. 118	RPD 6 LCSD Rec. 113	RPI Lim 20 Rec. Limi 70 - 13 70 - 13
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Laboratory Control S QC Batch: 34156 Prep Batch: 29648	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13 1.12 Date Analyzed QC Preparation	pike and spik Spike Amount 10.0 pike and spik Units mg/Kg mg/Kg 2007-01-1 2007-01-1	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 31 30 Spike	result. <u>Rec.</u> <u>88</u> result. pike nount .00 .00 .00	Rec. Limit 70 - 130 LCS Rec. 118 106	RPD 6 LCSD Rec. 113 112 Analyzed Prepared	RPI Lim 20 Rec. Limi 70 - 13 70 - 13 1 By: s By: s By: s Rec.
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Laboratory Control Sp QC Batch: 34156 Prep Batch: 29648 Param	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13 1.12 Date Analyzed QC Preparation Units	pike and spik Spike Amount 10.0 pike and spik Units mg/Kg mg/Kg 2007-01- : 2007-01- : 2007-01-	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 30 31 30 Spike Amount	result. <u>88</u> result. pike nount .00 .00 .00 .00	Rec. Limit 70 - 130 LCS Rec. 118 106	RPD 6 LCSD Rec. 113 112 Analyzed Prepared Rec.	RP] Lim 20 Rec. Limi 70 - 13 70 - 13 d By: s By: s By: s Rec. Limi
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Laboratory Control Sp QC Batch: 34156 Prep Batch: 29648 Param Benzene	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13 1.12 Date Analyzed QC Preparation Units mg/Kg	bike and spike Amount 10.0 bike and spike Units mg/Kg mg/Kg 2007-01-1 2007-01-1 Dil. 1	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 30 31 30 Spike Amount 1.00	result. <u>Rec.</u> <u>88</u> result. pike nount .00 .00 Matu Resu <0.00	Rec. Limit 70 - 130 LCS Rec. 118 106	RPD 6 LCSD Rec. 113 112 Analyzed Prepared Rec. 105	RPI Limi 20 Rec. Limi 70 - 13 70 - 13 70 - 13 8 By: s By: s Rec. Limi 70 - 13
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Laboratory Control Sp QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06 LCS Result 1.05 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13 1.12 Date Analyzed QC Preparation Units mg/Kg mg/Kg	pike and spike Amount 10.0 pike and spike Units mg/Kg mg/Kg 2007-01- 2007-01- 2007-01- Dil. 1 1	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 30 31 30 Spike Amount 1.00 1.00	result. Rec. 88 result. pike nount .00 .00 .00 .00 .00 .00 .00 .00 .00 .00 .00	Rec. Limit 70 - 130 LCS Rec. 118 106 rix ult 2270 320	RPD 6 LCSD Rec. 113 112 Analyzed Prepared Rec. 105 106	RPI Lim 20 Rec. Limi 70 - 12 70 - 12 70 - 12 By: s By: s Rec. Limi 70 - 12 70 - 12
Percent recovery is base Param GRO Percent recovery is base Surrogate Trifluorotoluene (TFT) 4-Bromofluorobenzene Laboratory Control Sp QC Batch: 34156 Prep Batch: 29648 Param Benzene	ed on the spi (4-BFB)	ke result. RPD LCSD Result 8.84 ke result. RPD LCS Result 1.18 1.06	is based on the sp Units Dil. mg/Kg 1 is based on the sp LCSD Result 1.13 1.12 Date Analyzed QC Preparation Units mg/Kg	bike and spike Amount 10.0 bike and spike Units mg/Kg mg/Kg 2007-01-1 2007-01-1 Dil. 1	e duplicate r Matrix Result <0.829 e duplicate r Sj Dil. An 1 1 1 1 30 31 30 Spike Amount 1.00	result. <u>Rec.</u> <u>88</u> result. pike nount .00 .00 Matu Resu <0.00	Rec. Limit 70 - 130 LCS Rec. 118 106 rix ult 2270 0320 9340	RPD 6 LCSD Rec. 113 112 Analyzed Prepared Rec. 105	RPI Lim 20 Rec. Limi 70 - 13 70 - 13 d By: s By: s By: s Rec. Limi

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	LCSD			Spike		Matrix		Re	c.		RPD
Param	Result	Units	Dil.	Amount		Result	Rec.	Lin	nit l	RPD	Limit .
Benzene	1.08	mg/Kg	1	1.00		(0.00270	108	70 -	130	3	20
Toluene	1.07	mg/Kg	1	1.00		0.00320	107	70 -	130	1	20
Ethylbenzene	1.07	mg/Kg	1	1.00	<	(0.00340	107	70 -	130	0	20
Xylene	3.23	mg/Kg	1	3.00	<	<0.0104	108	70 -	130	0	20
Percent recovery is based on the spi	ke result. RP	D is based	on the s	spike and sp	ike d	uplicate res	sult.				
	LCS	LCS	SD			Spike	•	LCS	LCSD		Rec.
Surrogate	Resul	lt Res	ult	Units	Dil.	Amou	nt	Rec.	Rec.		Limit
Trifluorotoluene (TFT)	0.985	5 0.9	61	mg/Kg	1	1.00		98	96	6	9 - 113
4-Bromofluorobenzene (4-BFB)	1.02	1.0)1	mg/Kg	1	1.00		102	101	63	8.4 - 121
QC Batch: 34162 Prep Batch: 29636	LC	QC Pr	Analyzec eparatio			Spike	М	atrix		lyzed I ared E	
Donom	Resi		Units	Dil.		Amount		sult	Pag		Limit
Param GRO	8.0		mg/Kg	<u></u>		10.0		.829	Rec. 80		70 - 130
Percent recovery is based on the spi Param	LCSD Result	Units	Dil.	Spike		Matrix Result	Rec.	Ree Lin		RPD	RPD Limit
GRO	8.25	mg/Kg	1	10.0		< 0.829	82	70 -	130	3	20
Percent recovery is based on the spi	ke result. RP	D is based	on the	spike and sp	ike d	luplicate res	sult.				
	LCS	s lo	CSD			Spil	ke	LCS	LCSI)	Rec.
Surrogate	Resu	lt Re	sult	Units	Dil	-		Rec.	Rec.		Limit
	1.22	2 1.	.23	mg/Kg	1	1.0	0	122	123		70 - 130
Trifluorotoluene (TFT)	L + 20/1					1.0	0	105	106		70 - 130
Trifluorotoluene (TFT) 4-Bromofluorobenzene (4-BFB)	1.05		.06	mg/Kg	1	1.0	0				
	1.05	5 <u>1</u> . Date A	.06 Inalyzed	mg/Kg : 2007-02	2-01	1.0	<u></u>			/zed B red By	
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS-1 QC Batch: 34187 Prep Batch: 29664	1.0 <u>:</u> l) LC	5 1. Date A QC Pre	nalyzed	mg/Kg 1: 2007-02 n: 2007-01	2-01	Spike	М	atrix			Y: AR Rec.
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS- QC Batch: 34187 Prep Batch: 29664 Param	l) LO Res	5 1. Date A QC Pre	nalyzed eparation Units	mg/Kg : 2007-02	2-01	Spike Amount	M R	atrix esult	Prepa Rec.	red By	r: AR Rec. Limit
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS- QC Batch: 34187 Prep Batch: 29664 Param Chloride	1.05 () LC <u>Res</u> 13.	5 1. Date A QC Pro	nalyzed eparation Units mg/Kg	mg/Kg 1: 2007-02 n: 2007-01 Dil. 1	2-01 -31	Spike Amount 12.5	M R 2	atrix	Prepa	red By	Y: AR Rec.
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS-1 QC Batch: 34187 Prep Batch: 29664	1.05 () LC <u>Res</u> 13.	5 1. Date A QC Pro	nalyzed eparation Units mg/Kg	mg/Kg 1: 2007-02 n: 2007-01 Dil. 1	2-01 -31	Spike Amount 12.5	M R 2	atrix esult	Prepa Rec.	red By	r: AR Rec. Limit
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS- QC Batch: 34187 Prep Batch: 29664 Param Chloride	LCSD	5 1. Date A QC Pro	nalyzed eparation Units mg/Kg I on the	mg/Kg : 2007-02 n: 2007-01 Dil. 1 spike and sp Spike	2-01 -31	Spike Amount 12.5 Iuplicate res Matrix	M Ra 2 sult.	atrix esult 2.03 Re	Prepa Rec. 95	red By	y: AR Rec. Limit 90 - 110 RPD
4-Bromofluorobenzene (4-BFB) Laboratory Control Spike (LCS- QC Batch: 34187 Prep Batch: 29664 Param Chloride	1.05 LC Res 13. ike result. RP	5 1. Date A QC Pro	nalyzed eparation Units mg/Kg	mg/Kg : 2007-02 n: 2007-01 Dil. 1 spike and sp Spike	2-01 -31	Spike Amount 12.5 Iuplicate rea	M R 2	atrix esult 2.03	Prepa Rec. 95 c. nit	red By	y: AR Rec. Limit 90 - 110

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Laboratory C	ontrol Spike (LCS-1)									
QC Batch: 3	34188		Date A	Analyzed:	2007-02-01				Analyzed	By: AR
-	29665			eparation:	2007-01-31				Prepared 1	
		LCS				Spike	Matr			Rec.
Param		Resu		Units		Amount	Resu		Rec.	Limit
Chloride	· · · · · · · ·	13.0		mg/Kg	<u> </u>	12.5	1.5		94	90 - 110
Percent recove	ry is based on the spike	result. RPI) is base	d on the spi	ike and spike of	luplicate re	sult.			
		LCSD			Spike	Matrix		Rec.		RPD
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit		Limit
Chloride		13.8	mg/Kg		12.5	1.5	95	90 - 11	0 1	
Percent recove	ry is based on the spike	result. RPI) is base	d on the sp	ike and spike o	duplicate re	sult.			
Laboratory C	ontrol Spike (LCS-1)									
QC Batch:	34189		Date A	Analyzed:	2007-02-01				Analyzed	By: WR
	29666			eparation:	2007-02-01				Prepared H	
		LC	5			Spike	Matı	ix		Rec.
Param		Resu		Units	Dil.	Amount	Resu		Rec.	Limit
DRO	, , , , , , , , , , , , , , , , , , , ,	243	5	mg/Kg	1	250	<15	.4	97	70 - 130
Percent recove	ry is based on the spike	result. RPI) is base	d on the sp	ike and spike	duplicate re	sult.			
	· ·	LCSD		-				Dog		RPD
Param		Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	
		235	mg/Kg		250	<15.4	94	70 - 13		20
DRO										
DRO Percent recove	ry is based on the spike	e result. RPI		· · · r	· · · · · · · · · · · · · · · · · · ·					
	ery is based on the spike					C	T CO	т	COD	Dee
Percent recove	LCS	LCSI)	Unite	Dil	Spike	LCS		.CSD	Rec.
) t	Units mg/Kg	Dil. 1	Spike Amount 150	LCS Rec. 93		CSD Rec. 97	Rec. Limit 70 - 130
Percent recove Surrogate n-Triacontane Laboratory C QC Batch:	LCS Result	LCSI Resul	Date 7			Amount	Rec.		Rec.	Limit 70 - 130 By: WR
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch:	LCS Result 139 Control Spike (LCS-1) 34208	LCSI Resul 145	Date 7 QC Pr	mg/Kg Analyzed: reparation:	1 2007-02-01 2007-02-01	Amount 150 Spike	Rec.		Rec. 97 Analyzed	Limit 70 - 130 By: WR By: WR Rec.
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch:	LCS Result 139 Control Spike (LCS-1) 34208	LCSI Resul 145 LC Resu	Date 7 QC Pr S	mg/Kg Analyzed: reparation: Units	1 2007-02-01 2007-02-01 Dil.	Amount 150 Spike Amount	Rec. 93 Matu Resu	rix ılt	Rec. 97 Analyzed Prepared I Rec.	Limit 70 - 130 By: WR By: WR Rec. Limit
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch: Param DRO	LCS Result 139 Control Spike (LCS-1) 34208 29675	LCSI Resul 145 LC Resu 202	Date 7 QC Pr S alt	mg/Kg Analyzed: eparation: Units mg/Kg	1 2007-02-01 2007-02-01 Dil. 1	Amount 150 Spike Amount 250	Rec. 93 Mati Resi	rix ılt	Rec. 97 Analyzed Prepared J	Limit 70 - 130 By: WR By: WR Rec.
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch: Param DRO	LCS Result 139 Control Spike (LCS-1) 34208	LCSI Resul 145 LC Resu 202	Date 7 QC Pr S alt	mg/Kg Analyzed: eparation: Units mg/Kg	1 2007-02-01 2007-02-01 Dil. 1	Amount 150 Spike Amount 250	Rec. 93 Mati Resi	rix ılt	Rec. 97 Analyzed Prepared I Rec.	Limit 70 - 130 By: WR By: WR Rec. Limit
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch: Param DRO	LCS Result 139 Control Spike (LCS-1) 34208 29675	LCSI Resul 145 LC Resu 202	Date 7 QC Pr S alt	mg/Kg Analyzed: eparation: Units mg/Kg	1 2007-02-01 2007-02-01 Dil. 1	Amount 150 Spike Amount 250	Rec. 93 Mati Resi	rix ılt	Rec. 97 Analyzed Prepared I Rec.	Limit 70 - 130 By: WR By: WR Rec. Limit
Percent recove Surrogate n-Triacontane Laboratory C QC Batch: Prep Batch: Param DRO	LCS Result 139 Control Spike (LCS-1) 34208 29675	LCSI Resul 145 LC Resu 202 e result. RP	Date 7 QC Pr S alt	mg/Kg Analyzed: eparation: Units mg/Kg	1 2007-02-01 2007-02-01 Dil. 1 vike and spike of	Amount 150 Spike Amount 250 duplicate re	Rec. 93 Mati Resi	rix ılt .4	Rec. 97 Analyzed Prepared 1 Rec. 81	Limit 70 - 130 By: WR By: WR Rec. Limit 70 - 130 RPD

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Report Date: Februar 0-0100-73	y 2, 2007				Order: 70130 Feague 10	10			Page Nu	mber	: 23 01 2
Surrogate	LCS Result	LCS Resi		Units	Dil.	Spik Amou		CS .ec.	LCSD Rec.		Rec. Limit
n-Triacontane	131	13	7	mg/Kg	1	150		87	91		70 - 130
Madain Saila (MS 1)	G-:1 + G	-1 11500									
Matrix Spike (MS-1) QC Batch: 34155) Spiked Samj	pie: 11509		e Analyzed	d: 2007-01	-31			۸na	lyzed	By: ss
Prep Batch: 29636				Preparatio						pared	•
		М		TT 1 .	5 11	Spik		fatrix			Rec.
Param		Res		Units	Dil.	Amou		lesult	Rec.		Limit
GRO		13	.7	mg/Kg	11	10.0) 1	.2032	125		70 - 13
Percent recovery is ba	used on the spike	e result. R	PD is bas	ed on the	spike and spi	ke duplica	te result.				
					a 1						
Donom		MSD Begylt	¥ T 14		Spike	Matri		Re		יייי	RPI
Param		Result	Units		Amount			Lir		RPD	Lim
GRO		12.3	mg/K	~	10.0	1.203	· · · · · ·	70 -	130	11	20
Percent recovery is ba	ased on the spike	e result. R	PD is bas	ed on the	spike and spi	ke duplica	te result.				
			MS	MSD			Spike	MS	MSI	`	Rec.
							SDIKE	IVIS	IVISI)	
Surrogate					Unite	Dil	-	Dag	Dag		I imit
	Г)	R	esult	Result	Units	Dil.	Amount	Rec.	Rec	•	
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1	ne (4-BFB)	R 1 2 0 1	esult .653 1.22	Result 0.644 1.24	mg/Kg mg/Kg	1	-	Rec. 65 122	64 124	ļ	Limit 70 - 13 70 - 13
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156	ne (4-BFB)	R 1 2 0 1	esult .653 1.22 99 Date	Result 0.644	mg/Kg mg/Kg d: 2007-01	-31	Amount 1	65	64 124 Ana		70 - 13 70 - 13
•	ne (4-BFB)	R 1 2 0 1 ple: 11499	esult .653 1.22 99 Dat QC	Result 0.644 1.24 e Analyzee	mg/Kg mg/Kg d: 2007-01	-31 -30	Amount 1 1	65 122	64 124 Ana	lyzed	70 - 13 70 - 13 By: s By: s
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648	ne (4-BFB)	R 1 2 0 1 ple: 11499	esult .653 1.22 09 Date QC	Result 0.644 1.24 e Analyze Preparatio	mg/Kg mg/Kg d: 2007-01 on: 2007-01	-31 -30 Spike	Amount 1 1	65 122 Tatrix	64 124 Ana Prej	lyzed	70 - 13 70 - 13 By: s By: s Rec.
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param	ne (4-BFB)	R 1 2 0 1 ple: 11499 MS Res	esult .653 .22 99 Dat QC S ult	Result 0.644 1.24 e Analyze Preparatic Units	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil.	1 1 -31 -30 Spike Amoun	Amount 1 1 M t R	65 122 fatrix esult	64 124 Ana Prep Rec.	lyzed	70 - 13 70 - 13 By: s By: s Rec. Limit
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene	ne (4-BFB)	R 1 2 0 1 ple: 11499 MS Reso 0.92	esult .653 1.22 99 Dati QC S ult 51	Result 0.644 1.24 e Analyzee Preparatic Units mg/Kg	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1	1 1 -31 -30 Spike Amoun 1.00	Amount 1 1 M t R <0.	65 122 atrix esult 00270	64 124 Ana Prep Rec. 95	lyzed	70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene	ne (4-BFB)	R 1 2 0 1 ple: 11499 M: Res: 0.95 0.95	esult .653 1.22 99 Dati QC S ult 51 89	Result 0.644 1.24 e Analyzee Preparatic Units mg/Kg mg/Kg	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1	1 1 -31 -30 Spike <u>Amoum</u> 1.00 1.00	Amount 1 1 1 M t R <0. <0. <0.	65 122 atrix esult 00270 00320	64 124 Ana Prep <u>Rec.</u> 95 99	lyzed	70 - 13 70 - 13 1 By: s By: s Rec. Limit 70 - 13 70 - 13
Trifluorotoluene (TF) 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene	ne (4-BFB)	Res 1 2 0 1 2 0 1 ple: 11499 MS Res 0.92 0.93 1.0	esult .653 1.22 99 Dati QC S ult 51 89 91	Result 0.644 1.24 e Analyzee Preparatio Units mg/Kg mg/Kg mg/Kg	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1	1 1 -31 -30 Spike <u>Amoum</u> 1.00 1.00 1.00	Amount 1 1 1 M t R <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340	64 124 Ana Prep Rec. 95 99 101	lyzed	70 - 13 70 - 13 1By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 M: Ress 0.92 0.93 1.0 3.0	esult .653 1.22 09 Dat QC S ult 51 89 01 07	Result 0.644 1.24 e Analyzee Preparatic Units mg/Kg mg/Kg mg/Kg mg/Kg	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 1	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 3.00	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320	64 124 Ana Prep <u>Rec.</u> 95 99	lyzed	70 - 13 70 - 13 1By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13
Trifluorotoluene (TF) 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 M(1) Rest 0.92 0.93 1.0 3.0 e result. R MSD	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas	Result 0.644 1.24 e Analyzee Preparatio Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 1 spike and spi Spike	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 3.00 ke duplica Matri	Amount 1 1 1 M t R M t R 0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R	64 124 Ana Prep Rec. 95 99 101 102 Lec.	lyzed	70 - 13 70 - 13 1 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Param	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 MS Ress 0.92 0.92 1.0 3.0 e result. R MSD Result	esult .653 .22 09 Dat QC S ult 51 89 01 7 PD is bas Units	Result 0.644 1.24 e Analyzee Preparatio Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil.	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 spike and spi Spike Amount	1 1 -31 -30 Spike Amoun 1.00 1.00 1.00 3.00 ke duplica Matri Resu	Amount 1 <td>65 122 atrix esult 00270 00320 00340 0.0104 R s. Li</td> <td>64 124 Ana Prep Rec. 95 99 101 102 Lec. imit</td> <td>lyzed</td> <td>70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13</td>	65 122 atrix esult 00270 00320 00340 0.0104 R s. Li	64 124 Ana Prep Rec. 95 99 101 102 Lec. imit	lyzed	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Param Benzene	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 MS Result 0.920	esult .653 .22 99 Dat QC S ult 51 89 91 77 PD is bas <u>Units</u> mg/Kg	Result 0.644 1.24 e Analyzed Preparatio Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 5 1	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 spike and spi Spike Amount 1.00	1 1 -31 -30 Spike <u>Amoun</u> 1.00 1.00 1.00 3.00 ke duplica Matri Resu <0.002	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R . Li 70	64 124 Ana Prep 95 99 101 102 Lec. imit - 130	llyzed pared RPD 3	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 10 70 - 10
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Param Benzene Toluene Toluene	e (4-BFB)) Spiked Sam	Res 1 2 0 1 ple: 11499 MS Ress 0.92 0.948	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas mg/Kg mg/Kg	Result 0.644 1.24 e Analyzer Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg 1 2 1 3 1	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 1 spike and spi Spike Amount 1.00 1.00	1 1 -31 -30 Spike <u>Amoun</u> 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resul <0.002 <0.003	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R E. Li 70 70	64 124 Ana Prep 95 99 101 102 Lec. imit - 130 - 130	llyzed bared RPD 3 4	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 20 20
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Param Benzene Toluene Ethylbenzene Toluene Ethylbenzene	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 MS Ress 0.92 0.948 0.920 0.948 0.954	esult .653 .22 99 Datu QC S ult 51 89 91 7 PD is bas Units mg/Kg mg/Kg mg/Kg	Result 0.644 1.24 e Analyzer Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 1 1 1 1 1 1	mg/Kg mg/Kg d: 2007-01 on: 2007-01 Dil. 1 1 1 1 spike and spi Spike Amount 1.00 1.00	1 1 -31 -30 Spike <u>Amoun</u> 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resul <0.002 <0.003 <0.003	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R E. Li 70 70 70 70	64 124 Ana Prep Rec. 95 99 101 102 Lec. imit - 130 - 130	RPD 3 4 6	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 20 20 20 20
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 M3 Ress 0.92 0.93 1.0 3.0 e result. R MSD Result 0.920 0.948 0.954 2.91	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas mg/Kg mg/Kg mg/Kg	Result 0.644 1.24 e Analyzee Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg d: 2007-01 Dil. 1 1 1 1 spike and spi Spike Amount 1.00 1.00 1.00 3.00	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resu <0.002 <0.003 <0.01	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R E. Li 70 70 70 70	64 124 Ana Prep 95 99 101 102 Lec. imit - 130 - 130	llyzed bared RPD 3 4	70 - 13 70 - 13 By: si By: si
Trifluorotoluene (TF) 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is base Param Benzene Toluene Ethylbenzene Toluene Ethylbenzene Xylene	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 M3 Ress 0.92 0.93 1.0 3.0 e result. R MSD Result 0.920 0.948 0.954 2.91	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas mg/Kg mg/Kg mg/Kg mg/Kg PD is bas	Result 0.644 1.24 e Analyzee Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg d: 2007-01 Dil. 1 1 1 1 spike and spi Spike Amount 1.00 1.00 1.00 3.00	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resu <0.002 <0.003 <0.01	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R E. Li 70 70 70 70	64 124 Ana Prep Rec. 95 99 101 102 Lec. imit - 130 - 130	RPD 3 4 6	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 20 20 20 20
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Param Benzene Toluene Ethylbenzene Xylene Percent recovery is ba Surrogate	e (4-BFB)) Spiked Sam	Res 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 1 2 0 0 9 0 9 1.0 3.0 2.91 e result. R MSD Result 0.920 0.948 0.954 2.91 e result. R	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas mg/Kg mg/Kg mg/Kg mg/Kg pD is bas S	Result 0.644 1.24 e Analyzee Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg d: 2007-01 Dil. 1 1 1 1 spike and spi Spike Amount 1.00 1.00 1.00 3.00	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resul <0.002 <0.003 <0.01 ke duplica	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R Li 70 70 70 70	64 124 Ana Prep Rec. 95 99 101 102 Rec. imit - 130 - 130 - 130	RPD 3 4 6	70 - 13 70 - 13 70 - 13 By: si By: si Rec. Limit 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 70 - 13 20 20 20 20
Trifluorotoluene (TFT 4-Bromofluorobenzer Matrix Spike (MS-1 QC Batch: 34156 Prep Batch: 29648 Param Benzene Toluene Ethylbenzene Xylene Percent recovery is bar Param Benzene Toluene Ethylbenzene Xylene Percent recovery is bar	e (4-BFB)) Spiked Sam	R 1 2 0 1 ple: 11499 Mis Ress 0.92 0.94 1.0 3.0 e result. R MSD Result 0.920 0.948 0.954 2.91 e result. R M	esult .653 .22 99 Date QC S ult 51 89 91 7 PD is bas mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Result 0.644 1.24 e Analyzee Preparation Units mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg sed on the Dil. 1 3 1 3 1 5 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 1 5 1 5 1 5 1 5 1 5 1 1 1 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	mg/Kg mg/Kg d: 2007-01 Dil. 1 1 1 spike and spi Spike Amount 1.00 1.00 1.00 3.00 spike and spi	1 1 -31 -30 Spike Amount 1.00 1.00 1.00 1.00 3.00 ke duplica Matri Resu <0.002 <0.003 <0.011 ke duplica	Amount 1 1 1 M t R <0. <0. <0. <0. <0. <0. <0. <0.	65 122 atrix esult 00270 00320 00340 0.0104 R Li 70 70 70 70 70 70 70 70 70 70 70	64 124 Ana Prep Rec. 95 99 101 102 tec. imit - 130 - 130 - 130 - 130 - 130	RPD 3 4 5	70 - 13 70 - 13 70 - 13 By: s By: s Rec. Limit 70 - 13 70 - 10 70 20 20 20 20 20 20 20 20 20 20 20 20 20

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Report Date: February 2, 2007 0-0100-73			Order: 70130 Teague 10	10		Pa	age Number	r: 24 of 29
matrix spikes continued								
-	MS	MSD			pike		MSD	Rec.
Surrogate	Result				nount	Rec.	Rec.	Limit
4-Bromofluorobenzene (4-BFB)	1.08	1.06	mg/Kg	1	1	108	106	63.4 - 121
Matrix Spike (MS-1) Spiked Sa	mple: 115002		,					
QC Batch: 34162		Date Analyze	d: 2007-02	-01			Analyzeo	l By: ss
Prep Batch: 29636		QC Preparatio					Prepared	-
	MS			Spike	М	atrix		Rec.
Param	Resul		Dil.	Amount		esult	Rec.	Limit
GRO	³ 5.77	mg/Kg	1	10.0	<	0.829	50	70 - 130
Percent recovery is based on the sp	ike result. RPD	is based on the	spike and spi	ke duplicate	result.			
-				-		~		
Dorom	MSD Begult	Units Dil.	Spike	Matrix	D	Rec.	- רחח	RPD
Param GRO ⁴	Result 6.17	Units Dil. mg/Kg 1	Amount 10.0	Result < 0.829	Rec. 54	Limit 70 - 13		Limi 20
							<u> </u>	20
Percent recovery is based on the sp			spike and spi	-				
Sumogoto	MS	MSD t Result	Units		Spike	MS	MSD	Rec.
Surrogate Trifluorotoluene (TFT)	Resul		mg/Kg		mount	<u>Rec.</u> 74	Rec. 64	Limit 70 - 130
4-Bromofluorobenzene (4-BFB)	1.15		mg/Kg	1 1	1	115	115	70 - 130
	1.15	1.15	mg/Kg	1	1	115	115	70-15
Matrix Spike (MS-1) Spiked Sa	ample: 115008							
QC Batch: 34187		Date Analyzed	l: 2007-02-	.01			Analyzed	By: AR
Prep Batch: 29664		QC Preparation					Prepared I	•
		Control					i repuieu i	<i></i>
	MC			G., 1.,	1	r		Dee
Param	MS Resul	t Units	Dil.	Spike Amount		latrix esult	Rec.	Rec. Limit
Chloride	66.0	mg/Kg	5	62.5		0495	93	90 - 11
Percent recovery is based on the sp						ντ <i>γυ</i>		
. •	MSD		Spike	Matrix		Rec.		RPL
Param	Result	Units Dil.	Amount		Rec.	Limit	RPD	Limi
Chloride	67.8	mg/Kg 5	62.5	8.0495	96	90 - 11		
Percent recovery is based on the sp	ike fesult. RPL) is based on the	spike and spi	ke duplicate	result.			
Matrix Spike (MS-1) Spiked Sa	ample: 115016							
QC Batch: 34188		Date Analyzed	l: 2007-02-	01			Analyzed	By: AF
Pron Batch: 20665		OC Proparation					Deserved	•

³Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control. ⁴Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

QC Preparation: 2007-01-31

Prepared By: AR

⁵Surrogate out due to peak interference.

Prep Batch: 29665

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Param		MS Resul	•	Units	Dil.	Spike Amount	Mata Resi		0	Re Lin
Chloride		66.4		mg/Kg	5	62.5	8.65			90 -
Percent recovery is bas	sed on the spike	_				•••		<u> </u>		<u> </u>
		MSD			Spike	Matrix		Rec.		R
Param		Result	Units	Dil.	Amount	Result	Rec.	Limit	RPD	Li
Chloride		66.7	mg/Kg	5	62.5	8.6555	93	90 - 110	0	
Matrix Spike (MS-1) QC Batch: 34189	Spiked Samj	ple: 114999		Analyzed:	2007-02-01				alyzed H	
Prep Batch: 29666			QC Pr	eparation:	2007-02-01			Pre	pared B	y: \
		MS				Spike	Mat	rix		Re
Param		Resul	t	Units	Dil.	Amount	Res	ult Re	c.	Lir
DRO		209		mg/Kg	1	250	<15	5.4 84	4	70 -
Percent recovery is bas	sed on the spike	e result. RPI) is base	d on the sp	ike and spike	duplicate re	sult.			
Param	-	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Pag	Rec. Limit	RPD	R L
DRO		254	mg/Kg		250	<15.4	Rec. 102	70 - 130	19	L
Percent recovery is bas	-	e result. RPI) is base			duplicate re	sult.			
Come cate	MS ·	MSD		T Tanitan	D:1	Spike	MS Dec			Re
Surrogate n-Triacontane	Result 132	Resul 138	l	Units mg/Kg	 	Amount 150	Rec 88			Lir 70 -
Matrix Spike (MS-1) QC Batch: 34208 Prep Batch: 29675	Spiked Sam	ple: 115002		Analyzed: eparation:	2007-02-01 2007-02-01				alyzed I pared B	•
_		MS				Spike	Mat			Re
Param		Resul		Units	Dil.	Amount	Res			Lin
DRO		187		mg/Kg	<u> </u>	250	<1	5.4 7	3	70 -
Percent recovery is ba	sed on the spike) is base	ed on the sp	· •	-	sult.			
Param		MSD Besult	Units	ЪЭ	Spike	Matrix	Dec	Rec.	רומס	R
DRO		Result 181	mg/Kg	Dil1	Amount 250	Result <15.4	Rec. 72	Limit 70 - 130	RPD 3	L
	sed on the spike							10-130	3	
Percent recovery is ba				-	-	-			-	ъ
	MS	MSD)			Spike	M	s MS	D	Re
		MSD Resul 146		Units mg/Kg	Dil.	Spike Amount 150	M: Rec 97	c. Re	с.	Re Lir

Report Date 0-0100-73	e: February	/ 2, 200	7	W	ork Order: 7013 Teague 10	010	Page N	Jumber: 26 of 29
Standard (I	ICV-1)							
QC Batch:	34155			Date Ana	lyzed: 2007-01	-31	Aı	nalyzed By: ss
				ICVs	ICVs	ICVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag		Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO	<u> </u>		mg/Kg	1.00	0.913	91	85 - 115	2007-01-3
Standard (CCV-1)							
QC Batch:	34155			Date Ana	lyzed: 2007-01	-31	Aı	nalyzed By: ss
				CCVs ,	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag		Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO	Ų		mg/Kg	1.00	1.01	101	85 - 115	2007-01-3
Standard (ICV-1)							
QC Batch:				Date Ana	lyzed: 2007-01	-31	A	nalyzed By: ss
L = = = = = = = = = = = = = = = = = = =					•			
				ICVs True	ICVs Found	ICVs	Percent	Data
Param		Flag	Units	Conc.	Conc.	Percent	Recovery Limits	Date
Benzene		гад	mg/Kg	0.100	0.104	Recovery 104	85 - 115	Analyzed 2007-01-3
Toluene			mg/Kg	0.100	0.104	104	85 - 115	2007-01-3
Ethylbenze	ne		mg/Kg	0.100	0.102	102	85 - 115	2007-01-3
Xylene			mg/Kg	0.300	0.308	102	85 - 115	2007-01-3
Standard (CCV-1)							
QC Batch:	34156			Date Ana	lyzed: 2007-01	-31	A	nalyzed By: ss
				CCVs	CCVs	CCVs	Percent	
				True	Found	Percent	Recovery	Date
Param		Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Benzene		<u> </u>	mg/Kg	0.100	0.103	103	85 - 115	2007-01-3
Toluene			mg/Kg	0.100	0.102	102	85 - 115	2007-01-3
Ethylbenzer	ne		mg/Kg	0.100	0.102	102	85 - 115	2007-01-3
Xylene			mg/Kg	0.300	0.307	102	85 - 115	2007-01-3
Standard (ICV-1)							
QC Batch:	34162			Date Ana	lyzed: 2007-02	2-01	A	nalyzed By: s
				ICVs	ICVs	ICVs	Percent	
				True	Found	Percent	Recovery	Date
Param	Flag		Units	Conc.	Conc.	Recovery	Limits	Analyzed
			mg/Kg	1.00	0.994	4		

I

Report Date 0-0100-73	e: February 2, 2	007	V	Vork Order: 701 Teague 10	3010	Page N	Sumber: 27 of 2
Standard ((CCV-1)						
QC Batch:	34162		Date Ana	alyzed: 2007-0	A	nalyzed By: ss	
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
GRO		mg/Kg	1.00	1.01	101	85 - 115	2007-02-0
Standard (I	ICV-1)						
QC Batch:	34187		Date Ana	lyzed: 2007-02	2-01	Ana	alyzed By: AF
			ICVs	ICVs	ICVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed
Chloride	_	mg/Kg	12.5	11.9	95	90 - 110	2007-02-0
Standard (CCV-1)						
QC Batch:	34187		Date Ana	lyzed: 2007-02	2-01	Ana	alyzed By: Al
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyze
Chloride		mg/Kg	12.5	12.0	96	90 - 110	2007-02-0
Standard (ICV-1)	•					
QC Batch:			Date Ana	lyzed: 2007-02	2-01	An	alyzed By: Al
<u> </u>				-			
			ICVs True	ICVs Found	ICVs Demost	Percent	D : 4 -
Param	Flag	Units	True Conc.	Found Conc.	Percent Recovery	Recovery Limits	Date Analyzed
Chloride	гив	mg/Kg	12.5	12.0	96	<u>90 - 110</u>	2007-02-0
Standard (CCV-1)	<u> </u>					
QC Batch:			Date Ana	lyzed: 2007-02	2-01	An	alyzed By: Al
			CCVs	CCVs	CCVs	Percent	
			True	Found	Percent	Recovery	Date
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyze
Chloride	······································	mg/Kg	12.5	12.0	96	90 - 110	2007-02-0
Standard (ICV-1)						
QC Batch:	-		Date Ana	lyzed: 2007-02	2-01	Ana	lyzed By: W

Report Date: February 2, 2007 0-0100-73				Work Order: 701 Teague 10	Page Number: 28 of 29			
	Flag	I Taita	ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date	
Param DRO	Flag	Units mg/Kg	<u>Conc.</u> 250	<u>Conc.</u> 273	Recovery 109	Limits 85 - 115	Analyzed 2007-02-01	
		ing/Kg	250		109		2007-02-0	
Standard (CCV-1)							
QC Batch:	34189		Date Ana	alyzed: 2007-02	2-01	Ana	lyzed By: WR	
			CCVs	CCVs	CCVs	Percent	•	
			True	Found	Percent	Recovery	Date	
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed	
DRO		mg/Kg	250	241	96	85 - 115	2007-02-0	
Standard (CCV-2)				۰. ۱			
QC Batch:	34189		Date Ana	alyzed: 2007-02	2-01	Ana	lyzed By: WR	
			CCVs	CCVs	CCVs	Percent		
			True	Found	Percent	Recovery	Date	
Param	Flag	Units	Conc.	Conc.	Recovery	Limits	Analyzed	
DRO		mg/Kg	250	214	86	85 - 115	2007-02-0	
			Date Ana	alyzed: 2007-0	2-01	Ana	lyzed By: WR	
			Date Ana ICVs	ICVs	2-01 ICVs	Ana Percent	lyzed By: WF	
	34208		ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date	
QC Batch: Param		Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed	
QC Batch: Param	34208	Units mg/Kg	ICVs True	ICVs Found	ICVs Percent	Percent Recovery	Date Analyzed	
Standard (QC Batch: Param DRO Standard (34208 Flag		ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed	
QC Batch: Param DRO Standard (34208 Flag CCV-1)		ICVs True Conc. 250	ICVs Found Conc.	ICVs Percent Recovery 88	Percent Recovery Limits 85 - 115	Date Analyzed 2007-02-0	
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QC Batch: Param DRO Standard (34208 Flag CCV-1)		ICVs True Conc. 250	ICVs Found Conc. 219	ICVs Percent Recovery 88	Percent Recovery Limits 85 - 115	lyzed By: WR Date <u>Analyzed</u> 2007-02-0 lyzed By: WR Date	
QC Batch: Param DRO Standard (QC Batch:	34208 Flag CCV-1)		ICVs True Conc. 250 Date Ana CCVs	ICVs Found Conc. 219 alyzed: 2007-0: CCVs	ICVs Percent Recovery 88 2-01 CCVs	Percent Recovery Limits 85 - 115 Ana Percent	Date Analyzed 2007-02-0 lyzed By: WR	
QC Batch: Param DRO Standard (QC Batch: Param	34208 Flag CCV-1) 34208	mg/Kg	ICVs True Conc. 250 Date And CCVs True	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found	ICVs Percent Recovery 88 2-01 CCVs Percent	Percent Recovery Limits 85 - 115 Ana Percent Recovery	Date Analyzed 2007-02-0 lyzed By: WF Date Analyzed	
QC Batch: Param DRO Standard (QC Batch: Param DRO	34208 Flag CCV-1) 34208 Flag	mg/Kg Units	ICVs True Conc. 250 Date And CCVs True Conc.	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found Conc.	ICVs Percent Recovery 88 2-01 CCVs Percent Recovery	Percent Recovery Limits 85 - 115 Ana Percent Recovery Limits	Date Analyzed 2007-02-0 lyzed By: WR Date Analyzed	
QC Batch: Param DRO Standard (QC Batch: Param DRO Standard (34208 Flag CCV-1) 34208 Flag CCV-2)	mg/Kg Units	ICVs True Conc. 250 Date And CCVs True Conc. 250	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found Conc.	ICVs Percent Recovery 88 2-01 CCVs Percent Recovery 90	Percent Recovery Limits 85 - 115 Ana Percent Recovery Limits 85 - 115	Date Analyzed 2007-02-0 lyzed By: WR Date Analyzed 2007-02-0	
QC Batch: Param DRO Standard (QC Batch: Param DRO Standard (34208 Flag CCV-1) 34208 Flag CCV-2)	mg/Kg Units	ICVs True Conc. 250 Date And CCVs True Conc. 250	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found Conc. 225	ICVs Percent Recovery 88 2-01 CCVs Percent Recovery 90	Percent Recovery Limits 85 - 115 Ana Percent Recovery Limits 85 - 115	Date Analyzed 2007-02-0 lyzed By: WR Date Analyzed 2007-02-0	
QC Batch: Param DRO	34208 Flag CCV-1) 34208 Flag CCV-2)	mg/Kg Units	ICVs True Conc. 250 Date And CCVs True Conc. 250 Date And	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found Conc. 225 alyzed: 2007-0	ICVs Percent Recovery 88 2-01 CCVs Percent Recovery 90	Percent Recovery Limits 85 - 115 Ana Percent Recovery Limits 85 - 115 Ana	Date Analyzed 2007-02-0 lyzed By: WR Date	
QC Batch: Param DRO Standard (QC Batch: Param DRO Standard (34208 Flag CCV-1) 34208 Flag CCV-2)	mg/Kg Units	ICVs True Conc. 250 Date And CCVs True Conc. 250 Date And CCVs	ICVs Found Conc. 219 alyzed: 2007-0 CCVs Found Conc. 225 alyzed: 2007-0 CCVs	ICVs Percent Recovery 88 2-01 CCVs Percent Recovery 90 2-01 2-01 CCVs	Percent Recovery Limits 85 - 115 Ana Percent Recovery Limits 85 - 115 Ana Percent	Date Analyzed 2007-02-0 lyzed By: WF Date Analyzed 2007-02-0	

CLIENT NAME:			SITE MANAGER:	PARAME	PARAMETERS/METHOD NUMBER	CHAIN-OF-CUSTODY RECORD
51-			W-and .	(4		
	١	.13	PROJECT NAME:		داري .	A GISON & SSOCICITES, INC. Fax: 432-687-0456 Environmental Consultants 432-687-0901
PAGE OF		LAB. PO #		(2 5) 2 5) 2 5) 2 5) 2 5) 2 5) 2 5) 2 5)		507 N. Marienfeld, Ste. 202 • Midland, TX 79701
31411 2140-	NOS AILER	OTHER	SAMPLE IDENTIFICATION	LPH ISTEX		LAB. I.D. REMARKS NUMBER (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, (LAB USE ONLY) GRAB COMPOSITE)
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APPENDIX B

Photographs

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TARGA MIDSTREAM SERVICES, L. P. TEAGUE 10" HIGH PRESSURE PIPELINE



1. 1RP-1188, Targa Midstream Services, L.P., Teague High Pressure 10" (Site #73) - Repairing Pipeline, Looking North

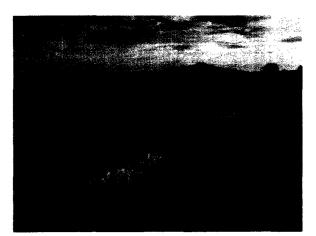


2. 1RP-1188, Targa Midstream Services, L.P., Teague High Pressure 10" (Site #73) - Pipeline After Repair, Looking North



3. 1RP-1188, Targa Midstream Services, L.P., Teague High Pressure 10" (Site #73) - Pipeline After Repair, Looking South

TARGA MIDSTREAM SERVICES, L. P. TEAGUE 10" HIGH PRESSURE PIPELINE



4. 1RP-1188, Targa Midstream Services, L.P., Teague High Pressure 10" (Site #73) - Pipeline After Repair, Looking Southeast



5. 1RP-1188, Targa Midstream Services, L.P., Teague High Pressure 10" (Site #73) - Pipeline After Repair, Looking Northeast **APPENDIX C**

Final C-141

301 W. Gried Averne, Artsin, NM 5210 Oil Conservation Division Submit Conservation Division Submit Conservation Division Submit Conservation Division Dama News, Arts, NM 5210 Division Division Submit Conservation Division Dama News, Arts, NM 5210 Division Division Submit Conservation Division Dama News, Arts, NM 5210 Division Release Not The Submit Conservation Division Submit Conservation 220 Start, St. Praces Dr., Starta Fc, NM 5710 Release Not The Submit Conservation Immediate News Submit Conservation Submit Conservation Address: Observation Facility Name: Submit Conservation Facility Name: Facinal Report Facility Name: <t< th=""><th></th><th>1625 N French Dr. Hobbs NM XX240</th><th colspan="10">1625 N. French Dr., Hobbs, NM 88240 Form C-14</th></t<>		1625 N French Dr. Hobbs NM XX240	1625 N. French Dr., Hobbs, NM 88240 Form C-14									
Data C. M. Barlow, NM 67410 Oil Conservation Division Submit 2000 Submit 2000 <th></th> <th>District II Energy M</th> <th>linerals</th> <th>and Natura</th> <th>Resources</th> <th></th> <th></th> <th>Revised</th> <th>1 October 10, 2003</th>		District II Energy M	linerals	and Natura	Resources			Revised	1 October 10, 2003			
Data Nill 1220 St. Francis Dr. with Rdv 116 on back side of form side of f		District III OOI Rio Brazos Road Aztec NM 87410 Oil						Submit 2 Copi District Offi	es to appropriate			
Note Action OPERATOR OPERATOR Initial Report Address: 6 Desta Drive, Suite 3200, Midand, Texas 79703 Contact: Call Wrangham Address: 6 Desta Drive, Suite 3200, Midand, Texas 79703 Contact: Call Wrangham Address: 6 Desta Drive, Suite 3200, Midand, Texas 79703 Contact: Call Wrangham Contact: Call Wrangham Call Contact: Call Wrangham Contact: Call Wrangham Call Contact		District IV 122	_						tule 116 on back			
Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately 350 mcf of gas and any produced linguists that were lying in line. Line was intendicitely blocked by the field operator. Roo: cause of pipeline intercurrence was impacted. Describe Fully.* Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately 350 mcf of gas and any produced linguists that were lying in line. Line was intendicitely blocked by the field operator. Root cause of pipeline. Throwshold in pipeline released approximately 350 mcf of gas and any produced linguist on approximately blocked by the field operator. Root cause of pipeline to the cause of	-				<u> </u>							
OPERATOR Initial Report Final Report Name of Company: Targa Midstream Services, L.P. Contact: Cal Wrangham Contact: Cal Wrangham Address: 6 Desta Drive, Suite 3200, Midland, Texas 79705 Telephone No.: (432) 688-0452 Telephone No.: (432) 688-0452 Facility Name: Site #73 (Teague 10" High Pressue) Facility Type: Natural Gas Pipeline Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. LOCATION OF RELEASE Initi Letter Township Range Feet from the North/South Line Feet from the Lease No. ////////////////////////////////////					L.							
Name of Company: Targa Midsheam Services, L.P. Contact: Cal Wrangham Address: 6 Desta Drive, Suite 3200, Midland, Texes 19705 Telephone No: (432) 688-0452 Facility Name: Site #73 (Teagen 01" High Pressure) Facility Xipe: Matural Gas Pipeline Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. LOCATION OF RELEASE County: Lea Destrive Texes 0' Latitude: N32,31026167 Long text 0'		Release Notif	ication	and Co	frective A	ction						
Address: 6 Desta Drive, Suite 3200, Mildiand, Texas 79705 Telephone No: (432) 688-0452 Facility Name: Site #73 (Tesgue 10° High Pressure) Facility Type: Natural Gas Pipeline Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. Lotti Letter Section Township Range Feel from the North/South Line Feet from the County: Lease No. Unit Letter Section Township Range Feet from the North/South Line Feet from the County: Lea //OC Latitude: N32,31096167 Long Anture of Release: Yolume Recovered: None gs: and estimated at less than 5 bit of Tiquid Volume of Release: None Same Source of Release: 16° Gas Pipeline Failure Dets and Hour of Occurrence: Date and Hour of Discovery: If YES, To Monn? Was Immediate Notic Given? Yes No Not Required Buds Hill and NMOCD District Emergency Pager By Whon? Cdl Wrangham, James Linguau, If YES, To Monn? If YES, To Monn? If YES, Yolume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately 350 mof of gas an		pro			·····		Initia	l Report	Final Report			
Excility Name: Site #73 (Teague 10" High Pressure) Facility Type: Natural Gas Pipeline Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. LOCATION OF RELEASE County: Lease No. Unit Letter Section Township Range 238 37E Feet from the North/South Line Feet from the East/West Line County: Lea /CO Latitude: N322 31096167 Longitude: W103.19363500 /CO NATURE OF RELEASE Volume Recovered: None ges and estates: 350 mef of ges and estates: 350 mef of Volume Recovered: None Source of Release: 16' Gas Pipeline Failure Doi /104100 Overrence: Date and Hour of Discovery: Surface States: 350 mef of Usate States: 350 mef of Usate States: 350 mef of ges and estates: 350 mef of Usate States: 350 mef of Usate States: 350 mef of ges and Hour of Discovery: Surface States: 350 mef of ges and Hour of Discovery: Surface States: 350 mef of ges and Hour of Discovery: Surface States: 350 mef of ges and Hour of Discovery: Surface States: 350 mef of ges and Hour of Discovery: Surface States: 350 mef of ges and Any produced Hour Hulp Hour of Discovery: Surface States: 350 mef of ges and any produced Hour Hulp Hour of Discovery: Surface State: States: 350 mef of ges and any produced Hour Hulp Hour of Discovery: Surface State: State: State State: State					and the second se	1452						
Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. Surface Owner: J. T. Dinwiddie Mineral Owner Lease No. Unit Letter Section Township Range Peet from the North/South Line Feet from the East/West Line County: Lease ////////////////////////////////////				and the second design of the	and the second		-,					
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County: Lea //∞ //∞ Latitude: N32.31096167 Longitude: W103.19363500 //∞ //∞ NaTURE OF RELEXASE Volume Recovered: None Type of Release: Natural Gas and Liquids Volume of Release: 350 mef of gas and estimated at less than 5 bid of flquid Volume Recovered: Date and Hour of Discovery: Was Immediate Notice Given? □ Yes □ No □ Not Required Date and Hour of Occurrence: Date and Hour of Discovery: Buddy Hill and NMOCD District Emergency Pager By Whon? Cal Wrangham, James Lingnau, Date and Hour OlfScover Stowers If YES, To Whon? Buddy Hill and NMOCD District Emergency Pager By Whon? Cal Wrangham, James Lingnau, Date and Hour OlfScover Stowers If YES, Yolume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* No If YES, Volume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately 350 mef of gas and any produced liquids that were Ving in line. Line was immediately blocked by the fidel operator. Root cause of pipeline fullure:					······································		ease 1	No.				
Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County: Lea //∞ //∞ Latitude: N32.31096167 Longitude: W103.19363500 //∞ //∞ NaTURE OF RELEXASE Volume Recovered: None Type of Release: Natural Gas and Liquids Volume of Release: 350 mef of gas and estimated at less than 5 bid of flquid Volume Recovered: Date and Hour of Discovery: Was Immediate Notice Given? □ Yes □ No □ Not Required Date and Hour of Occurrence: Date and Hour of Discovery: Buddy Hill and NMOCD District Emergency Pager By Whon? Cal Wrangham, James Lingnau, Date and Hour OlfScover Stowers If YES, To Whon? Buddy Hill and NMOCD District Emergency Pager By Whon? Cal Wrangham, James Lingnau, Date and Hour OlfScover Stowers If YES, Yolume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. If a Watercourse was Impacted, Describe Fully.* No If YES, Volume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately 350 mef of gas and any produced liquids that were Ving in line. Line was immediately blocked by the fidel operator. Root cause of pipeline fullure:		LOC	I OF REI	EASE								
Latitude: N32_31096167 Longitude: W103_19363500 NATURE OF RELEASE Type of Release: Natural Gas and Liquids Volume Recovered: None Source of Release: 16" of liquid Date and Hour of Occurrence: Date and Hour of Discovery: Source of Release: 16" of liquid Source of Release: 16" of Release: 16" of Release: Date and Hour of Occurrence: Date and Hour of Discovery: Was Immediate Notice Given? Yes No No Required Buddy Hill and NMOCD District Emergency Pager By Whom? Cal Wrangham, James Lingnau. Date and Hour Of NEX007116:00 Ins: Same Was a Watercourse Reached? Yes No If YES, Yo Whom? Buddy Hill and NMOCD District Emergency Pager If Yes No If a Watercourse was Impacted, Describe Fully.* If Yes No If Yes, Yo Whom? Describe Cause of Problem and Remedial Action Taken: Split in ten (10) inch gathering line released approximately in the distribute of		Unit Letter Section Township Range Feet from the				East/West	Line	County: Lea				
Image: Control of Release: Natural Gas and Liquids Volume of Release: 350 mcf of gas and estimated at less than 5 bit of liquid. Source of Release: 16° Gas Pipeline Failure Date and Hour of Cocurrence: Date and Hour of Discovery: Oll Re200714.00 hrs Date and Hour of Discovery: Date and Hour of Discovery: Control of gas and estimated at less than 5 bit of liquid. Was Immediate Notice Given? Ves No loss Recented? Date and Hour of Discovery: Date and Hour of Discovery: Control Discovery: Control of the Co		A 18 23S 37E										
NATURE OF RELEASE Type of Release: Natural Gas and Liquids Volume of Release: 350 mcf of Journe of Release: 350 mcf of Inquid Source of Release: 16° Gas Pipeline Failure Date and Hour of Occurrence: Date and Hour of Discovery: 01/18/20071/4:00 hrs Date and Hour of Occurrence: Date and Hour of Discovery: 01/18/20071/4:00 hrs Was Immediate Notice Given? Ves No Not Required Buddy Hill and NMOCD District Emergency Pager By Whom? Cal Wrangham, Janes Lingnau, Date and Hour. 01/18/200715:00 hrs. Buddy Hill and NMOCD District Emergency Pager By Whom? Cal Wrangham, Janes Lingnau, Date and Hour. 01/18/200715:00 hrs. Buddy Hill and NMOCD District Emergency Pager By Was a Watercourse Reached? Yes No If YES, Volume Impacting the Watercourse. If YES, Volume Impacting the Watercourse. Describe Cause of Problem and Remedial Action Taken: The release was timited to an area macasuring approximately 10 x 25 feet. Soil was excavated from the diffected area to approximately Taken. The release was timited to an area macasuring approximately 10 x 25 feet. Soil was excavated from the affected and follow of Longn Action Taken: The release was limited to an area macasuring approximately 10 x 25 feet. Soil was excavated from the bottom and sides of the trench and piles were analyzed for henzene, BTEX, TPH and chloride and showe the RRAL of 10 mg/Kg (PHI). Chloride was less than 250 mg/Kg in all samples. (SiO0 mg/Kg). Request permission to cover release with tox predive to repout advor (Kg (PHI). Chloride was less than 250 mg/Kg in all sample												
gas and estimated at less than 5 bit of liquid Source of Release: 16" Gas Pipeline Failure Date and Hour of Occurrence: 01/18/2007/14:00 hrs Was Immediate Notice Given? Provide the state of the		100 NA	TURE	OF RELI	EASE							
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* See Attached Data Table and Laboratory Report FACILity - PPACO 705025513 incident -n PACO 705025630		Date: 02/14//2007 Phone: (432) 687-0901 (Office) (432) 556-8656 (Cell)										
Facility - +PHC0/05025513 incident -1111	*	* See Attached Data Table and Laboratory Report	• 1	A _ A	ACO705	02563	30	<u> </u>				
		Jacility - PPACO 105025513 1	nude	nz -n 1		applic	atio	n-pPACO	705025776			

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