District I
1625 N. French Dr , Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Southwest Royalties, Inc.	Contact Dawn Howard
Address 6 Desta Drive, Suite 2100, Midland, TX 79705	Telephone No. 432-688-3267
Facility Name Cities Federal #2 SWD	Facility Type SWD

Surface Owner Federal lands leased to Larry Strain 432/685-2064	Mineral Owner Federal	Lease No. NMLC03132(b)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	20	22S	36E	600	S	660	W	Lea

Latitude 32 37182 **Longitude** 103.29365

NATURE OF RELEASE

Type of Release Produced Water	Volume of Release 750 Bbl.	Volume Recovered 390 Bbl.
Source of Release Lighting Strike on Gun Barrel	Date and Hour of Occurrence 5/09/07 9.30 am	Date and Hour of Discovery 5/09/07 9:30 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Ms. Haston BLM/Hobbs&Ms. Tapperton-NMOCD-Artesia/ Ms. Badbear was contacted later	
By Whom? Dawn Howard	Date and Hour 5/09/07, 09:32 am, 10:45 am, RECEIVED	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse N/A	

If a Watercourse was Impacted, Describe Fully.*
N/A

FEB 22 2008
HOBBS OCD

Describe Cause of Problem and Remedial Action Taken.*
Lightning struck the gun barrel at the SWD, spilling 750 barrels of produced water. The Eunice Fire Department was notified and responded to put out the fire. A vacuum truck was called and collected 390 barrels of fluid. A backhoe was utilized to construct a temporary diversion to collect fluid. Highlander Environmental Corp. collected samples from the spill area.

Describe Area Affected and Cleanup Action Taken.*
The spill extended off the facility pad approximately 115'. The impacted soils were scraped and hauled to disposal as described in the closure report The facility was removed and rebuilt with a sprayed on liner underneath the tanks to prevent future spills from impacting surface and subsurface soils.

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

Signature:	OIL CONSERVATION DIVISION
Printed Name: Dawn M. Howard	Approved by District Supervisor: ENVIRONMENTAL ENGINEER
Title: Operations Assistant	Approval Date: 3.24.08 Expiration Date: —
E-mail Address. dhoward@claytonwilliams com	Conditions of Approval: Attached ☐ 1RP# 1366
Date: 2/6/08 Phone: 432/688-3267	

LIST @ RBC LJ

Highlander Environmental Corp.

Midland, Texas

February 11, 2008

WTR 300'

Mr. Larry Johnson
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division- District I
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Assessment and Closure Report for the Southwest Royalties, Inc., Cities Federal #2 SWD Facility, Located in Unit Letter M, Section 20 Township 22 South, Range 36 East, Lea County, New Mexico.

Dear Mr. Johnson:

Highlander Environmental Corp. (Highlander) was contacted by Southwest Royalties, Inc. to investigate a produced water spill caused by a lightening strike and subsequent fire at the Cities Federal #2 saltwater disposal (SWD) facility (Site) located in Unit Letter M, Section 20, Township 22 South, Range 36 East, Lea County, New Mexico. According to Southwest Royalties, the spill occurred on May 9, 2007, when lightning struck a 1,000 bbl. gun barrel. Approximately 750 barrels of produced water were spilled with approximately 390 barrels recovered with vacuum trucks. The facility firewall was breached in the southeast corner and a backhoe was used to build a temporary retaining wall to contain the spill offsite. A copy of the C-141 (Initial) is included in Appendix D. The Site location is shown on Figure 1 and Figure 2.

Groundwater and Regulatory

Neither the New Mexico State Engineer Office database, nor the USGS databases showed any water wells in Section 20. The closest water well, with a similar surface elevation, was located in Section 16, T-22-S, R-36-E. The reported depth to water in Section 16 is 170' below ground surface (bgs). A number of wells in the vicinity of this site reported a depth to water in excess of 100' with the lone exception of a well in Section 22 with a reported depth to water of 22'. This would appear to be an anomalous data point considering, the additional data available. From the reported depths and relative elevations, it appears that the average depth to water in the vicinity of the Cities Federal #2 SWD site is greater than 100' bgs. Copies of the Well Reports are included in Appendix A.

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills

and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 mg/kg and 50 mg/kg for total BTEX (sum of benzene, toluene, ethylbenzene and xylene). Based upon the apparent regional depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Assessment

On May 24, 2007, Highlander personnel inspected the spill area and collected soil samples using a stainless steel, bucket type hand auger to evaluate the extent of subsurface impact at this site. As shown on Figure 3, the spill from the water tanks flowed north and east on the pad and south across the facility road. A total of thirteen (13) auger holes were installed in the spill areas and advanced to depths ranging from 1.5' below ground surface (bgs) to 10.5' bgs. In addition, on June 19, 2007, three soil borings (SB-1 through SB-3) were drilled in the vicinity of AH-1, AH-8, and AH-10, respectively in order to complete delineation of the chlorides. See boring logs included in Appendix B. Soil samples were collected, placed into laboratory supplied containers and delivered to Trace Analysis, Inc. of Midland, Texas under chain-of-custody control. Selected samples were analyzed for TPH by EPA method 8015 modified, BTEX by EPA method 8021B, and chloride by EPA method 300.0. Copies of the laboratory analytical are included in Appendix C.

Sample Analysis

The results of the sampling are summarized in Table 1. Referring to Table 1, AH-8, from 0-1.0' exceeded the TPH RRAL of 5,000 mg/kg. No sample results exceeded the Benzene/BTEX RRAL.

Auger holes AH-2, AH-4, AH-5, AH-7, AH-9, AH-11, AH-12, and AH-13 had shallow chloride concentrations (less than 6 feet) ranging from 257 mg/kg in AH-9 at 0-1' to 2,000 mg/kg in AH-12 at 0-1'. The auger holes showed a decrease of chloride impact with depth. Deeper chloride impacts were found at AH-1 (SB-1), AH-8 (SB-2), and AH-10 (SB-3). In order to complete delineation of the three impacted auger holes, the sites were drilled utilizing an air rotary rig. Samples collected from the drilling indicated the chloride impact extended down to a depth of 20' below ground surface (bgs) in SB-1, a depth of 95' bgs in SB-2, and a depth of 9.5' bgs in SB-3. Chloride concentrations decreased with depth. Below a depth of 15 feet in SB-2 chloride concentrations were below 1,000 mg/kg.

Remediation

Between June 14 and June 20, 2007, Highlander was onsite to oversee the excavation and stockpiling of approximately 220 cubic yards of soil from around the tank battery and soils located off the pad to the southeast. The site was excavated to a maximum depth of 10 feet below ground surface (bgs) around AH-1 and to a maximum extent of 3 feet on the well pad. The excavated soils were stockpiled on the southwest corner of the tank

battery pad. The 220 cubic yards of excavated soils were transported offsite for disposal at Sundance Services, Inc. of Eunice, New Mexico on January 25, 2008. The extent of the excavation along with the sample locations are shown on Figure 3.

Upon completion of the excavation, Grandos Construction was onsite in June 2007 to backfill the excavation with clean soils. The site was brought up to grade and the surface contoured to reflect the surrounding topography.

Since chlorides decreased with depth and groundwater is greater than 100 feet bgs, soils in the vicinity of AH-7, AH-8, and AH-10 (located under the liner) were left in situ.

In September 2007, the entire tank battery was moved off the pad and a new berm was placed around the former tank battery. The tank battery was then sprayed with a liner prior to replacement of the tanks and the pump house. Since chlorides decreased with depth and groundwater is greater than 100 feet bgs, soils in the vicinity of AH-7, AH-8, and AH-10 (located under the liner) were left in situ. The dimensions of the new tank battery and spray on liner measure 122 feet by 25 feet and 16 feet by 40 feet. A schematic of the new tank battery along with the dimensions of the spray on liner are shown on Figure 4.

Conclusions

The impacted soils that exceeded the TPH RRAL were excavated and removed from the site. No remaining TPH currently exceeds the RRAL. Additionally, much of the chloride impacted soils were removed for disposal. However, chlorides in the soils exceeding the RRAL were left in situ in the vicinity of AH-7, AH-8, and AH-10 (under the liner), since the chlorides decreased with depth and groundwater is greater than 100 feet bgs. With the decreasing chloride levels in the soil and depth to groundwater, it is unlikely the chlorides will leach into the surrounding groundwater.

Based upon the results of the assessment work, depth to groundwater, and remediation performed at this site, Southwest Royalties, Inc. requests closure of this site. If you require any additional information or have any questions or comments concerning the assessment/closure report, please call at (432) 682-4559. A C-141 (final) is included in Appendix D.

Respectfully submitted,
Highlander Environmental Corp.

Jeffrey Kindley

Jeffrey Kindley, P.G.
Senior Geologist

cc: Dawn Howard – Southwest Royalties, Inc.
Tricia Badbear – BLM

FIGURES

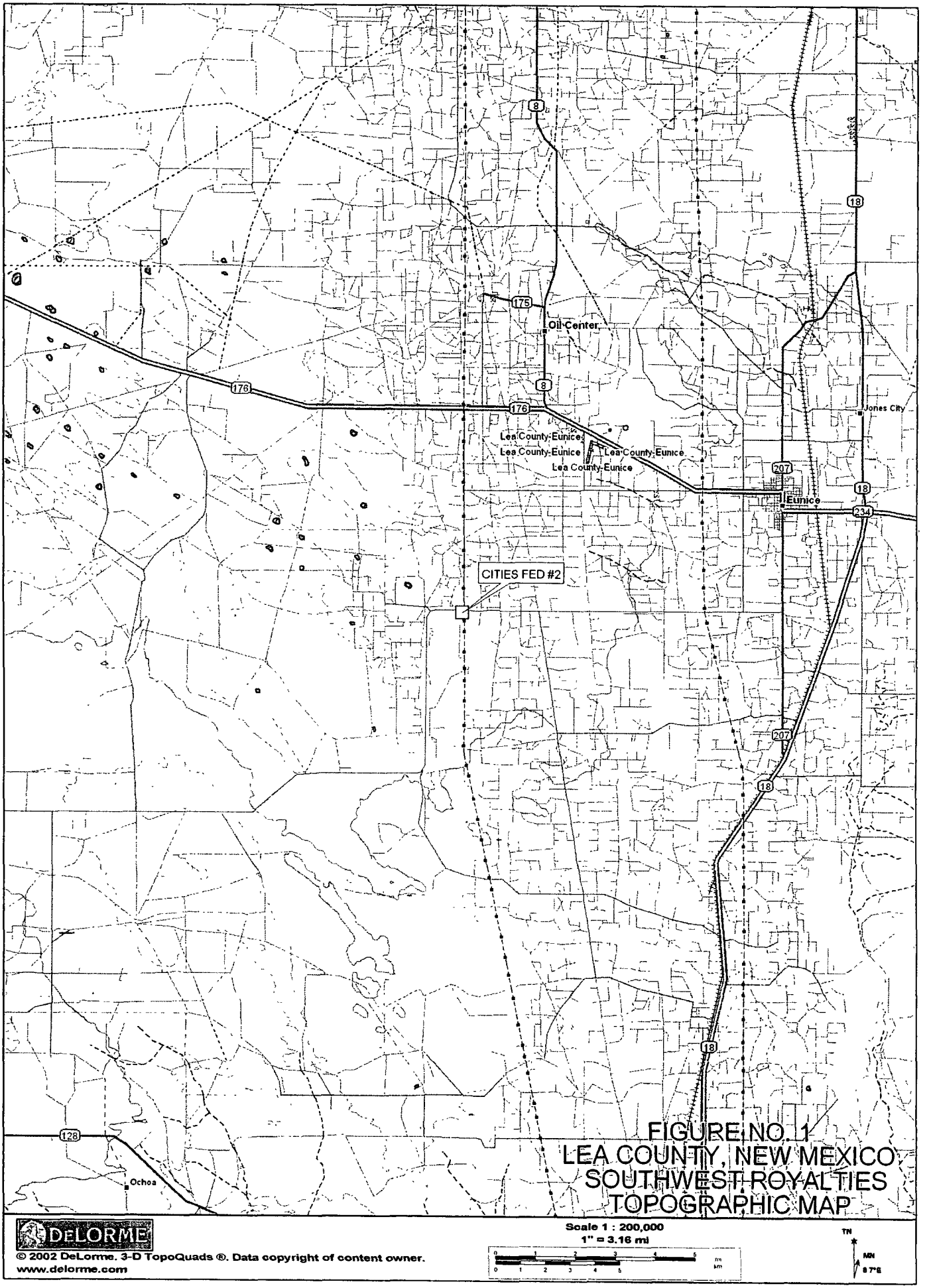
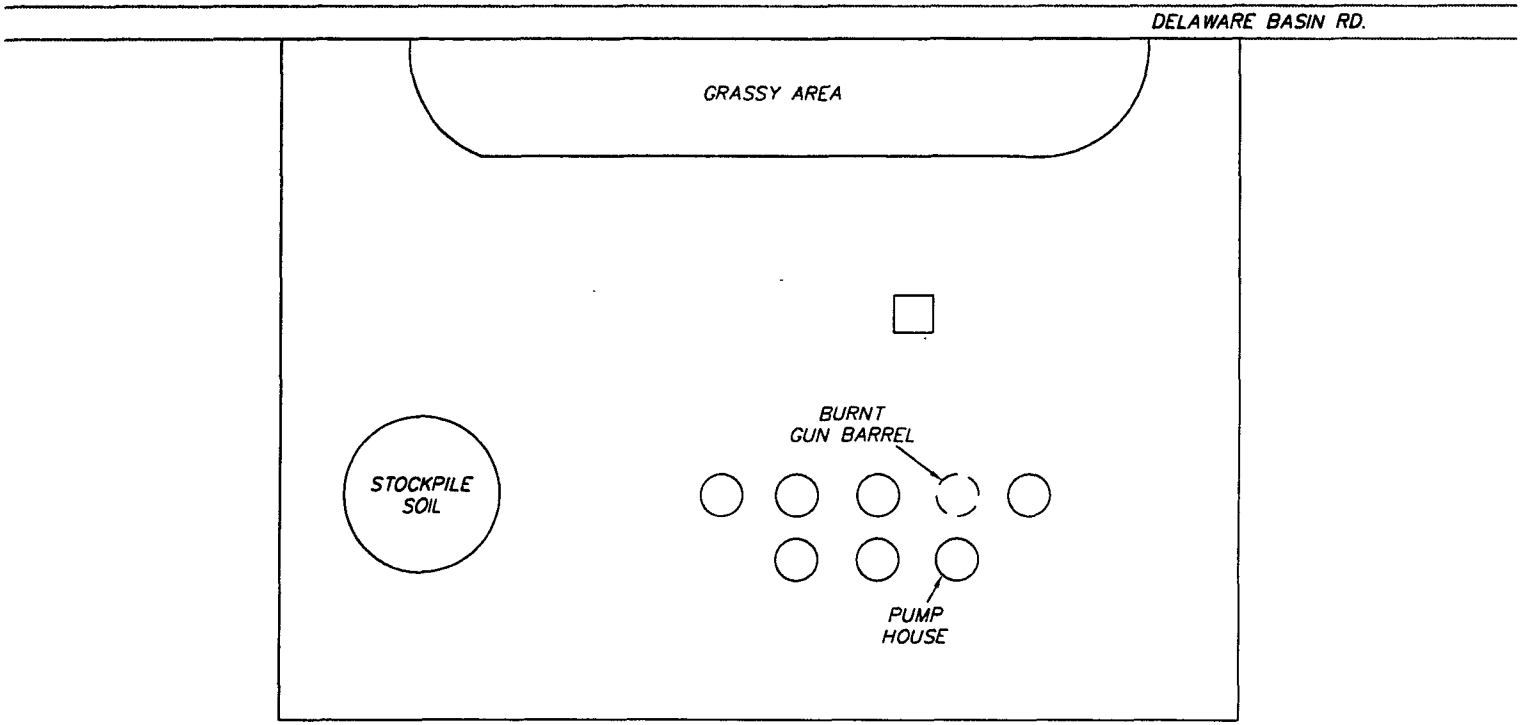


FIGURE NO. 1
LEA COUNTY, NEW MEXICO
SOUTHWEST ROYALTIES
TOPOGRAPHIC MAP

NORTH



NOT TO SCALE

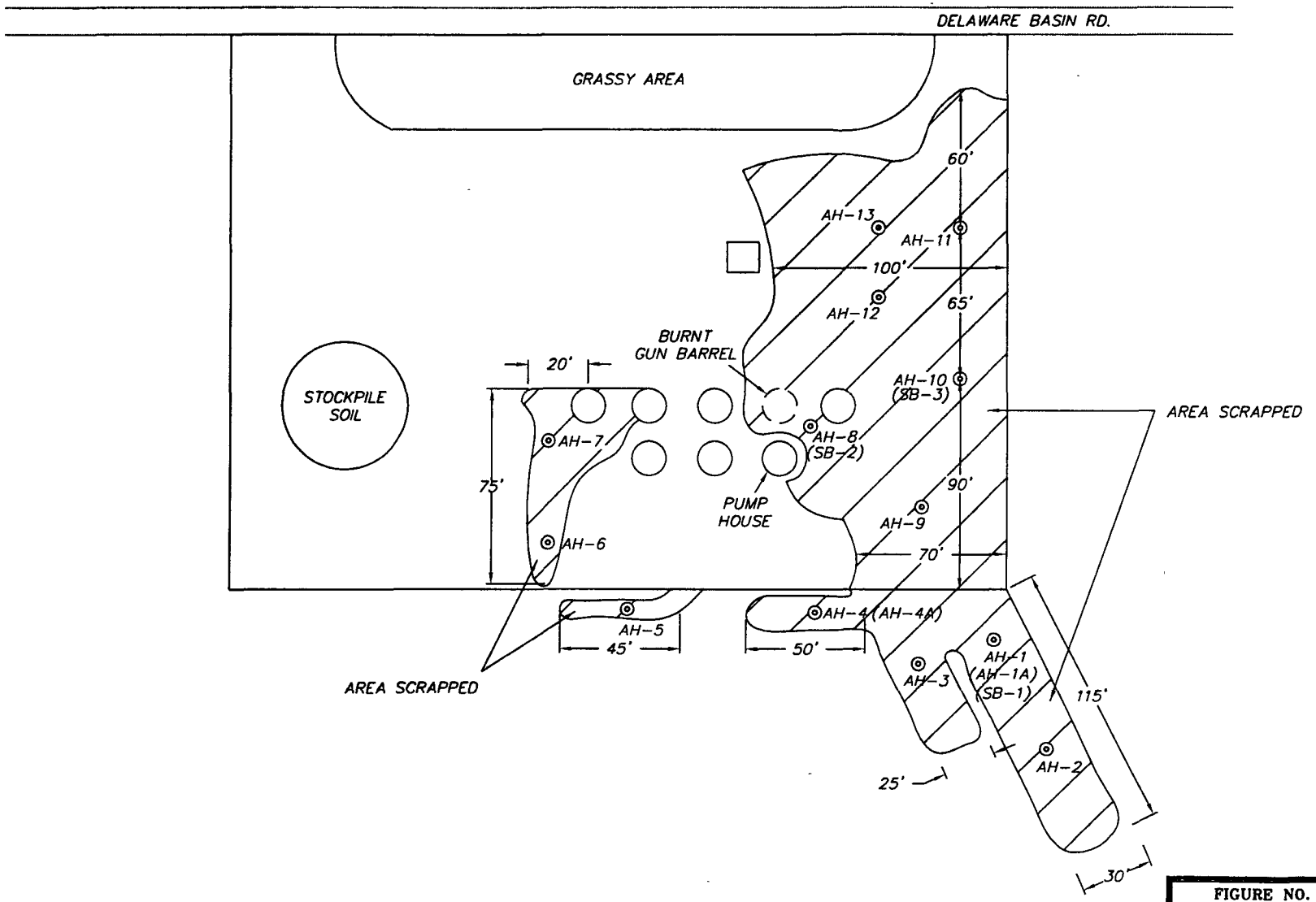
FIGURE NO. 2

LEA COUNTY, NEW MEXICO

SOUTHWEST ROYALTIES
CITIES FED. #2 SWD
SITE MAP

DATE: 6/12/07
DWN. BY: RC
FILE: C:\S-WEST\3013 CITIES #2 SWD

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS



NOT TO SCALE

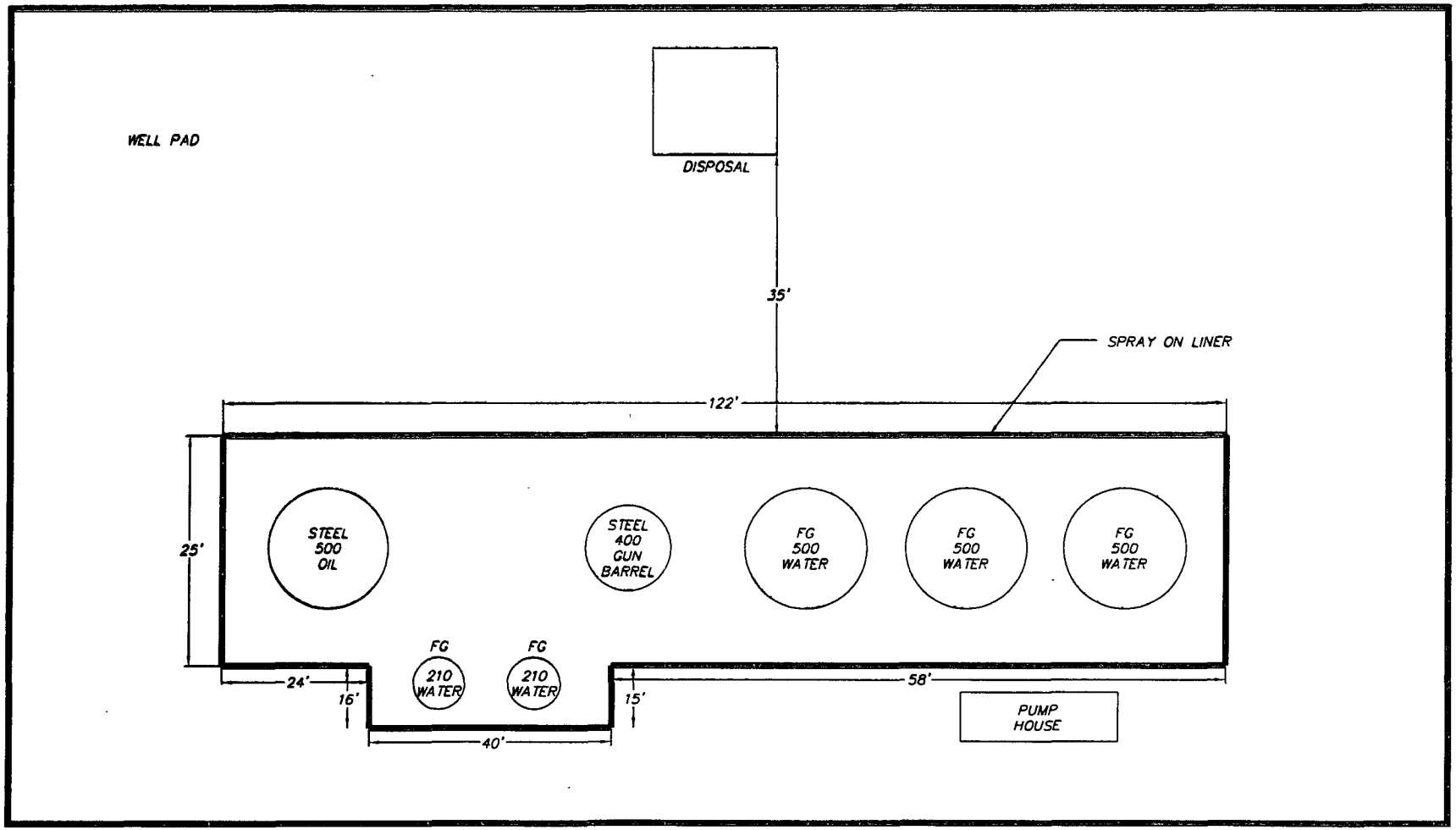
FIGURE NO. 3

LEA COUNTY, NEW MEXICO

SOUTHWEST ROYALTIES
CITIES FED. #2 SWD
AUGER HOLE LOCATION

DATE: 6/12/07
DWN. BY: RC
FILE: C:\S-WEST\2013 CITIES #2 SWD

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS



NOT TO SCALE

FIGURE NO. 4

LEA COUNTY, NEW MEXICO

SOUTHWEST ROYALTIES
CITIES FED. #2 SWD
SITE MAP

DATE: 2/8/08
DWN. BY. RC
FILE: C:\S-WEST\3015 CITIES #2 SWD

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

TABLES

Table 1
Southwest Royalites
Cities Federal #2 SWD
Lea County,NM

Sample ID	Soils Status		Date Sampled	Sample Depth (ft)	TPH (mg/kg)		MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
	Insitu	Removed			GRO	DRO						
AH-1		X	05/24/07	0-1.0'	2.62	<50.0	-	-	-	-	-	646
AH-1		X	05/24/07	1'-1.5'	-	-	-	-	-	-	-	601
AH-1		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	1,100
AH-1A		X	06/14/07	3-3.5'	-	-	-	-	-	-	-	667
AH-1A		X	06/14/07	4-4.5'	-	-	-	-	-	-	-	713
AH-1A		X	06/14/07	5-5.5'	-	-	-	-	-	-	-	300
AH-1A		X	06/14/07	6-6'5'	-	-	-	-	-	-	-	335
AH-1A		X	06/14/07	7-7.5'	-	-	-	-	-	-	-	595
AH-1A		X	06/14/07	8-8.5'	-	-	-	-	-	-	-	2,580
AH-1A		X	06/14/07	9-9.5'	-	-	-	-	-	-	-	3,470
SB-1 (AH-1)	X		06/19/07	14-15'	-	-	-	-	-	-	-	75.1
SB-1 (AH-1)	X		06/19/07	19-20'	-	-	-	-	-	-	-	617
SB-1 (AH-1)	X		06/19/07	24-25'	-	-	-	-	-	-	-	235
SB-1 (AH-1)	X		06/19/07	29-30'	-	-	-	-	-	-	-	70.4
SB-1 (AH-1)	X		06/19/07	34-35'	-	-	-	-	-	-	-	141
SB-1 (AH-1)	X		06/19/07	39-40'	-	-	-	-	-	-	-	77.5
SB-1 (AH-1)	X		06/19/07	44-45'	-	-	-	-	-	-	-	<50.0
SB-1 (AH-1)	X		06/19/07	49-50'	-	-	-	-	-	-	-	<50.0
SB-1 (AH-1)	X		06/19/07	54-55'	-	-	-	-	-	-	-	<50.0
AH-2		X	05/24/07	0-1.0'	63.6	1,400	<0.02	<0.02	<0.02	<0.02	<0.02	637
AH-2	X		05/24/07	1'-1.5'	-	-	-	-	-	-	-	45.5
AH-3		X	05/24/07	0-1.0'	1.45	66.4	-	-	-	-	-	23.6
AH-3	X		05/24/07	1'-1.5'	-	-	-	-	-	-	-	16.0
AH-4		X	05/24/07	0-1.0'	1.25	<50.0	-	-	-	-	-	214
AH-4		X	05/24/07	1'-1.5'	-	-	-	-	-	-	-	134
AH-4		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	1,180
AH-4A	X		06/14/07	3-3.5'	-	-	-	-	-	-	-	223
AH-4A	X		06/14/07	4-4.5'	-	-	-	-	-	-	-	134
AH-4A	X		06/14/07	5-5.5'	-	-	-	-	-	-	-	204

Table 1
Southwest Royalites
Cities Federal #2 SWD
Lea County,NM

Sample ID	Soils Status		Date Sampled	Sample Depth (ft)	TPH (mg/kg)		MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
	Insitu	Removed			GRO	DRO						
AH-5		X	05/24/07	0-1.0'	194	3,680	<0.02	<0.02	0.0281	0.118	1.00	315
AH-5		X	05/24/07	1'-1.5'	-	-	-	-	-	-	-	120
AH-5	X		05/24/07	2'-2.5'	-	-	-	-	-	-	-	36.7
AH-6		X	05/24/07	0-1.0'	351	2,530	<0.05	<0.05	<0.05	<0.05	0.392	126
AH-6		X	05/24/07	1-1.5'	-	-	-	-	-	-	-	104
AH-6		X	05/24/07	2-2.5'	-	-	-	-	-	-	-	167
AH-7		X	05/24/07	0-1.0'	63.0	2,860	-	-	-	-	-	796
AH-7		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	933
AH-7	X		05/24/07	6'-6.5'	-	-	-	-	-	-	-	829
AH-7	X		05/24/07	10'-10.5'	-	-	-	-	-	-	-	397
AH-8		X	05/24/07	0-1.0'	768	7,840	<0.100	0.608	3.96	1.28	10.5	583
AH-8		X	05/24/07	1'-1.5'	34.2	1,680	-	-	-	-	-	3,160
AH-8		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	2,000
AH-8	X		05/24/07	6'-6.5'	-	-	-	-	-	-	-	2,210
AH-8	X		05/24/07	10'-10.5'	-	-	-	-	-	-	-	2,210
SB-2 (AH-8)	X		06/19/07	14-15'	-	-	-	-	-	-	-	1,220
SB-2 (AH-8)	X		06/19/07	19-20'	-	-	-	-	-	-	-	717
SB-2 (AH-8)	X		06/19/07	24-25'	-	-	-	-	-	-	-	390
SB-2 (AH-8)	X		06/19/07	28'	-	-	-	-	-	-	-	353
SB-2 (AH-8)	X		06/22/07	33-35'	-	-	-	-	-	-	-	579
SB-2 (AH-8)	X		06/22/07	43-45'	-	-	-	-	-	-	-	534
SB-2 (AH-8)	X		06/22/07	53-55'	-	-	-	-	-	-	-	713
SB-2 (AH-8)	X		06/22/07	63-65'	-	-	-	-	-	-	-	914
SB-2 (AH-8)	X		06/22/07	73-75'	-	-	-	-	-	-	-	810
SB-2 (AH-8)	X		06/22/07	83-85	-	-	-	-	-	-	-	661
SB-2 (AH-8)	X		06/22/07	93-95'	-	-	-	-	-	-	-	385
AH-9		X	05/24/07	0-1'	1.15	<50.0	-	-	-	-	-	257
AH-9		X	05/24/07	1'-1.5'	-	-	-	-	-	-	-	114
AH-9		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	160

Table 1
Southwest Royalites
Cities Federal #2 SWD
Lea County,NM

Sample ID	Soils Status		Date Sampled	Sample Depth (ft)	TPH (mg/kg)		MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Chloride (mg/kg)
	Insitu	Removed			GRO	DRO						
AH-10		X	05/24/07	0-1'	67.2	110	<0.01	<0.01	<0.01	<0.01	<0.01	573
AH-10		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	1,280
AH-10	X		05/24/07	6'-6.5'	-	-	-	-	-	-	-	939
AH-10	X		05/24/07	9'-9.5'	-	-	-	-	-	-	-	1,210
SB-3 (AH-10)	X		06/19/07	14-15'	-	-	-	-	-	-	-	53.4
SB-3 (AH-10)	X		06/19/07	19-20'	-	-	-	-	-	-	-	<50.0
SB-3 (AH-10)	X		06/19/07	24-25'	-	-	-	-	-	-	-	<50.0
AH-11		X	05/24/07	0-1'	<1.00	<50.0	-	-	-	-	-	1,730
AH-11		X	05/24/07	2'-2.5	-	-	-	-	-	-	-	1,170
AH-11	X		05/24/07	6'-6.5'	-	-	-	-	-	-	-	263
AH-12		X	05/24/07	0-1'	4.94	162	-	-	-	-	-	2,000
AH-12		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	238
AH-12	X		05/24/07	5'-5.5'	-	-	-	-	-	-	-	293
AH-13		X	05/24/07	0-1'	1.44	<50.0	-	-	-	-	-	893
AH-13		X	05/24/07	1'-1.5'	-	-	-	-	-	-	-	660
AH-13		X	05/24/07	2'-2.5'	-	-	-	-	-	-	-	1,520
AH-13	X		05/24/07	4'-4.5'	-	-	-	-	-	-	-	139

(-) Not Analyzed

Area highlighted in yellow indicates analysis above RRAL

APPENDIX A

Water Well Data
Average Depth to Groundwater (ft)
Southwest Royalties, Inc. Cities Federal #2 SWD Facility
Lea County, New Mexico

21 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

21 South 36 East

6	5	4	3	2	1
7	8	9	10 200	11	12
18 106	17	16 195	15	14	13
19	20	21	22	23130 150	24
30	29	28	27	26 150	25 148
31	32	33	34	35	36

21 South 37 East

6 73	5	4 75	3	2
7	8	9	10	11
18	17 71	16 70	15	14
19	20 98	21	22 53	23
30	29 85	28 71	27 76	26
31	32	33 100	34 Eunice	35

22 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

22 South 36 East

6 195	5 212	4	3	2	1 137
7	8	9	10	11	12
18	17	16 170	15	14	13
19	20 SITE	21	22 22	23	24
30	29	28	27 160	26	25 118
31	32	33	34	35 181 187	36

22 South 37 East

6	5 85	4	3	2
7	8	9 90	10	11
18 190	17	16	15 125	14 65
19	20	21 65	22	23
30	29	28	27 53	26 65
31	32	33	34	35

23 South 35 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

23 South 36 East

6	5	4 160	3	2	1
7	8	9	10	11	12
18	17	16 220	15 149	14	13
19	20	21	22 400	23 143	24
30	29	28	27	26	25
31 189	32	33	34	35	36 127

23 South 37 East

6 102	5	4	3 70	2 64
7	8	9 100	10 66	11 68
18	17	16 115 100	15	14
19	20 108	21	22	23
30	29	28 117	27 88	26
31	32106 97	33 87	34	35

88 New Mexico State Engineers Well Reports
105 USGS Well Reports
90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
Geology and Groundwater Resources of Eddy County, NM (Report 3)

APPENDIX B

SAMPLE LOG

Boring/Well: SB-1 (AH-1)
Project Number: 3015
Client: Southwest Royalties
Site Location: Cities Federal SWD #2
Location: Lea County, New Mexico
Total Depth 55
Date Drilled: 06/19/07

DEPTH (Ft)	Cl (mg/kg)	SAMPLE DESCRIPTION
0-5	--	Tan fine grain sand (hand augered)
5-10	--	Tan fine grain sand (hand augered)
10-15	560	Tan to buff calcareous sand
15-20	3,000	Tan to buff calcareous sand
20-25	820	Buff to tan sandy limestone
25-30	820	Tan fine grain sand
30-35	560	Buff/tan sandy limestone
35-40	460	Tan fine grain sand
40-45	400	Tan fine grain sand
45-50	250	Tan fine grain sand
50-55	240	Tan to buff calcareous sand

Total Depth is 55 feet

SAMPLE LOG

Boring/Well: SB-2 (AH-8)
Project Number: 3015
Client: Southwest Royalties
Site Location: Cities Federal SWD #2
Location: Lea County, New Mexico
Total Depth 100
Date Drilled: 06/19/07 to 06/22/07

DEPTH (Ft)	Cl (mg/kg)	SAMPLE DESCRIPTION
0-5	--	Tan fine grain sand (hand augered)
5-10	--	Tan fine grain sand (hand augered)
10-15	2500	Tan fine grain sand
15-20	1,400	Tan fine grain sand
20-25	820	Tan fine grain sand
25-30	1,400	Tan fine grain sand (refusal with geoprobe)
30-35	540	Tan fine grain sand (drilled with air rotary rig on June 22, 2007)
35-40	740	Tan fine grain sand
40-45	640	Tan fine grain sand
45-50	640	Tan fine grain sand
50-55	500	Tan fine grain sand
55-60	800	Tan fine grain sand
60-65	-	Tan fine grain sand
65-70	800	Tan fine grain sand
70-75	-	Tan fine grain sand
75-80	-	Tan fine grain sand
80-85	640	Tan fine grain sand
85-90	-	Tan fine grain sand
90-95	250	Tan fine grain sand
95-100	400	Tan fine grain sand

Total Depth is 100 feet

SAMPLE LOG

Boring/Well: SB-3 (AH-10)
Project Number: 3015
Client: Southwest Royalties
Site Location: Cities Federal SWD #2
Location: Lea County, New Mexico
Total Depth 100
Date Drilled: 06/19/07 to 06/22/07

DEPTH (Ft)	Cl (mg/kg)	SAMPLE DESCRIPTION
0-5	--	Tan fine grain sand (hand augered)
5-10	--	Tan fine grain sand (hand augered)
10-15	420	Tan to buff sandy limestone
15-20	320	Tan to buff calcareous sand
20-25	240	Tan calcareous sand

Total Depth is 25 feet

APPENDIX C

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: June 26, 2007

Work Order: 7062117

Project Location: Lea County, NM
Project Name: SWR/Cities Fed #2 SWD
Project Number: 3015

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128038	AH-1A (3-3.5')	soil	2007-06-14	10:30	2007-06-21
128039	AH-1A (4-4.5')	soil	2007-06-14	10:33	2007-06-21
128040	AH-1A (5-5.5')	soil	2007-06-14	10:36	2007-06-21
128041	AH-1A (6-6.5')	soil	2007-06-14	10:42	2007-06-21
128042	AH-1A (7-7.5')	soil	2007-06-14	10:45	2007-06-21
128043	AH-1A (8-8.5')	soil	2007-06-14	10:50	2007-06-21
128044	AH-1A (9-9.5')	soil	2007-06-14	10:55	2007-06-21
128045	AH-4A (3-3.5')	soil	2007-06-14	11:10	2007-06-21
128046	AH-4A (4-4.5')	soil	2007-06-14	11:15	2007-06-21
128047	AH-4A (5-5.5')	soil	2007-06-14	11:20	2007-06-21

Sample: 128038 - AH-1A (3-3.5')

Param	Flag	Result	Units	RL
Chloride		**667**	mg/Kg	2.00

Sample: 128039 - AH-1A (4-4.5')

Param	Flag	Result	Units	RL
Chloride		**713**	mg/Kg	2.00

Sample: 128040 - AH-1A (5-5.5')

Param	Flag	Result	Units	RL
Chloride		**77.1**	mg/Kg	2.00

Sample: 128041 - AH-1A (6-6.5')

Param	Flag	Result	Units	RL
Chloride		**335**	mg/Kg	2.00

Sample: 128042 - AH-1A (7-7.5')

Param	Flag	Result	Units	RL
Chloride		**595**	mg/Kg	2.00

Sample: 128043 - AH-1A (8-8.5')

Param	Flag	Result	Units	RL
Chloride		**2580**	mg/Kg	2.00

Sample: 128044 - AH-1A (9-9.5')

Param	Flag	Result	Units	RL
Chloride		**3470**	mg/Kg	2.00

Sample: 128045 - AH-4A (3-3.5')

Param	Flag	Result	Units	RL
Chloride		**223**	mg/Kg	2.00

Sample: 128046 - AH-4A (4-4.5')

Param	Flag	Result	Units	RL
Chloride		**134**	mg/Kg	2.00

Sample: 128047 - AH-4A (5-5.5')

Param	Flag	Result	Units	RL
Chloride		**204**	mg/Kg	2.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: June 26, 2007

Work Order: 7062117

Project Location: Lea County, NM
Project Name: SWR/Cities Fed #2 SWD
Project Number: 3015

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128038	AH-1A (3-3.5')	soil	2007-06-14	10:30	2007-06-21
128039	AH-1A (4-4.5')	soil	2007-06-14	10:33	2007-06-21
128040	AH-1A (5-5.5')	soil	2007-06-14	10:36	2007-06-21
128041	AH-1A (6-6.5')	soil	2007-06-14	10:42	2007-06-21
128042	AH-1A (7-7.5')	soil	2007-06-14	10:45	2007-06-21
128043	AH-1A (8-8.5')	soil	2007-06-14	10:50	2007-06-21
128044	AH-1A (9-9.5')	soil	2007-06-14	10:55	2007-06-21
128045	AH-4A (3-3.5')	soil	2007-06-14	11:10	2007-06-21
128046	AH-4A (4-4.5')	soil	2007-06-14	11:15	2007-06-21
128047	AH-4A (5-5.5')	soil	2007-06-14	11:20	2007-06-21

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 7 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project SWR/Cities Fed #2 SWD were received by TraceAnalysis, Inc. on 2007-06-21 and assigned to work order 7062117. Samples for work order 7062117 were received intact at a temperature of 2.5 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
Chloride (Titration)	SM 4500-Cl B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7062117 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128038 - AH-1A (3-3.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**667**	mg/Kg	25	2.00

Sample: 128039 - AH-1A (4-4.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**713**	mg/Kg	25	2.00

Sample: 128040 - AH-1A (5-5.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**77.1**	mg/Kg	25	2.00

Sample: 128041 - AH-1A (6-6.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**335**	mg/Kg	25	2.00

Sample: 128042 - AH-1A (7-7.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**595**	mg/Kg	25	2.00

Sample: 128043 - AH-1A (8-8.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2580**	mg/Kg	25	2.00

Sample: 128044 - AH-1A (9-9.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3470**	mg/Kg	25	2.00

Sample: 128045 - AH-4A (3-3.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**223**	mg/Kg	25	2.00

Sample: 128046 - AH-4A (4-4.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**134**	mg/Kg	25	2.00

Sample: 128047 - AH-4A (5-5.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		204	mg/Kg	25	2.00

Method Blank (1) QC Batch: 38502

QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	QC Preparation:	2007-06-25	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 38503

QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	QC Preparation:	2007-06-25	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch:	38502	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33319	QC Preparation:	2007-06-25	Prepared By:	AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	99.2	mg/Kg	1	100	<0.500	99	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	100	mg/Kg	1	100	<0.500	100	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	QC Preparation:	2007-06-25	Prepared By:	AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	101	mg/Kg	1	100	<0.500	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<0.500	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128044

QC Batch: 38502 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33319 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride [1]	5980	mg/Kg	25	2500	3474.7	100	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6010	mg/Kg	25	2500	3474.7	101	85 - 115	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128088

QC Batch: 38503 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33320 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2690	mg/Kg	25	2500	46.948	106	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2720	mg/Kg	25	2500	46.948	107	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 38502 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	100	100	85 - 115	2007-06-25

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

Standard (CCV-1)

QC Batch: 38502 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	99.6	100	85 - 115	2007-06-25

Standard (ICV-1)

QC Batch: 38503 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.0	97	85 - 115	2007-06-25

Standard (CCV-1)

QC Batch: 38503 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2007-06-25

WO # 7062117

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 1

CLIENT NAME: Southwest Royalties
SITE MANAGER: Ike Tavarez
PROJECT NO.: 3015
PROJECT NAME: Cities Federal #2 SWD

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
128038	06/14/07	10:30	S		✓	AH-1 A (3-3.5')					✓															✓			
039	06/14/07	10:33	S		✓	AH-1 A (4-4.5')					✓															✓			
040	06/14/07	10:36	S		✓	AH-1 A (5-5.5')					✓															✓			
041	06/14/07	10:42	S		✓	AH-1 A (6-6.5')					✓															✓			
042	06/14/07	10:45	S		✓	AH-1 A (7-7.5')					✓															✓			
043	06/14/07	10:50	S		✓	AH-1 A (8-8.5')					✓															✓			
044	06/14/07	10:55	S		✓	AH-1 A (9-9.5')					✓															✓			
045	06/14/07	11:10	S		✓	AH-4 A (3-3.5')					✓															✓			
046	06/14/07	11:15	S		✓	AH-4 A (4-4.5')					✓															✓			
047	06/14/07	11:20	S		✓	AH-4 A (5-5.5')					✓															✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:40
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindle Jeffrey Kindle Date: January 15, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trau Analysis
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 6/21/07 TIME: 10:40

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Iced/Cool 2-5° C

MATRIX: W—Water A—Air SD—Solid S—Soil SL—Sludge O—Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

128038-47

WO # 7062117

Analysis Request and Chain of Custody Record

PAGE: 1 OF: 1

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Southwest Royalties

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: Cities Federal #2 SWD

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
128038	06/14/07	10:30	S		✓	AH-1 A (3-3.5')					✓	
039	06/14/07	10:33	S		✓	AH-1 A (4-4.5')					✓	
040	06/14/07	10:36	S		✓	AH-1 A (5-5.5')					✓	
041	06/14/07	10:42	S		✓	AH-1 A (6-6.5')					✓	
042	06/14/07	10:45	S		✓	AH-1 A (7-7.5')					✓	
043	06/14/07	10:50	S		✓	AH-1 A (8-8.5')					✓	
044	06/14/07	10:55	S		✓	AH-1 A (9-9.5')					✓	
045	06/14/07	11:10	S		✓	AH-4 A (3-3.5')					✓	
046	06/14/07	11:15	S		✓	AH-4 A (4-4.5')					✓	
047	06/14/07	11:20	S		✓	AH-4 A (5-5.5')					✓	

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
													✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:40

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindle Jeffrey Kindle Date: June 15, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Heller Shelton
DATE: 6/21/07 TIME: 10:40

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Iced/Cool 2-5°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: all tests-Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

RCS1

6/21 eff

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N Big Spring Street
Midland, TX, 79705

Report Date: June 7, 2007

Work Order: 7052928

ProjectLocation: Lea County, NM
ProjectName: SWR/Cities Fed #2 SWD
ProjectNumber: 3015

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
125737	AH-1 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125738	AH-1 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125739	AH-1 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125740	AH-2 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125741	AH-2 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125742	AH-3 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125743	AH-3 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125744	AH-4 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125745	AH-4 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125746	AH-4 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125747	AH-5 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125748	AH-5 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125749	AH-5 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125750	AH-6 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125751	AH-6 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125752	AH-6 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125753	AH-7 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125755	AH-7 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125757	AH-7 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125759	AH-7 (10.0'-10.5')	soil	2007-05-24	00:00	2007-05-29
125760	AH-8 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125761	AH-8 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125762	AH-8 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125764	AH-8 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125766	AH-8 (10.0'-10.5')	soil	2007-05-24	00:00	2007-05-29
125767	AH-9 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125768	AH-9 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125769	AH-9 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125770	AH-10 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125772	AH-10 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125774	AH-10 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125776	AH-10 (9.0'-9.5')	soil	2007-05-24	00:00	2007-05-29
125777	AH-11 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125779	AH-11 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125781	AH-11 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125782	AH-12 (0-1.0')	soil	2007-05-24	00:00	2007-05-29

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
125784	AH-12 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125786	AH-12 (5.0'-5.5')	soil	2007-05-24	00:00	2007-05-29
125787	AH-13 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125788	AH-13 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125789	AH-13 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125790	AH-13 (4.0'-4.5')	soil	2007-05-24	00:00	2007-05-29

Sample - Field Code	BTEX Benzene (mg/Kg)	BTEX Toluene (mg/Kg)	BTEX Ethylbenzene (mg/Kg)	BTEX Xylene (mg/Kg)	MTBE MTBE (mg/Kg)	TPH DRO DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
125737 - AH-1 (0-1.0')						<50.0	**2.62**
125740 - AH-2 (0-1.0')	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	**1400**	**63.6**
125742 - AH-3 (0-1.0')						**66.4**	**1.45**
125744 - AH-4 (0-1.0')						<50.0	**1.25**
125747 - AH-5 (0-1.0')	<0.0200	**0.0281**	**0.118**	**1.00**		**3680**	**194**
125750 - AH-6 (0-1.0')	<0.0500	<0.0500	<0.0500	**0.392**		**2530**	**351**
125753 - AH-7 (0-1.0')						**2860**	**63.0**
125760 - AH-8 (0-1.0')	**0.608**	**3.96**	**1.28**	**10.5**		**7840**	**768**
125761 - AH-8 (1.0'-1.5')						**1680**	**34.2**
125767 - AH-9 (0-1.0')						<50.0	**1.15**
125770 - AH-10 (0-1.0')	<0.0100	<0.0100	<0.0100	<0.0100		**110**	**67.2**
125777 - AH-11 (0-1.0')						<50.0	<1.00
125782 - AH-12 (0-1.0')						**162**	**4.94**
125787 - AH-13 (0-1.0')						<50.0	**1.44**

Sample: 125737 - AH-1 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**646**	mg/Kg	1.00

Sample: 125738 - AH-1 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**601**	mg/Kg	1.00

Sample: 125739 - AH-1 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**1100**	mg/Kg	1.00

Sample: 125740 - AH-2 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**637**	mg/Kg	1.00

Sample: 125741 - AH-2 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**45.5**	mg/Kg	1.00

Sample: 125742 - AH-3 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**23.6**	mg/Kg	1.00

Sample: 125743 - AH-3 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**16.0**	mg/Kg	1.00

Sample: 125744 - AH-4 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**214**	mg/Kg	1.00

Sample: 125745 - AH-4 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**134**	mg/Kg	1.00

Sample: 125746 - AH-4 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**1180**	mg/Kg	1.00

Sample: 125747 - AH-5 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**315**	mg/Kg	1.00

Sample: 125748 - AH-5 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**120**	mg/Kg	1.00

Sample: 125749 - AH-5 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**36.7**	mg/Kg	1.00

Sample: 125750 - AH-6 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**126**	mg/Kg	1.00

Sample: 125751 - AH-6 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**104**	mg/Kg	1.00

Sample: 125752 - AH-6 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**167**	mg/Kg	1.00

Sample: 125753 - AH-7 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**796**	mg/Kg	1.00

Sample: 125755 - AH-7 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**933**	mg/Kg	1.00

Sample: 125757 - AH-7 (6.0'-6.5')

Param	Flag	Result	Units	RL
Chloride		**829**	mg/Kg	1.00

Sample: 125759 - AH-7 (10.0'-10.5')

Param	Flag	Result	Units	RL
Chloride		**397**	mg/Kg	1.00

Sample: 125760 - AH-8 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**583**	mg/Kg	1.00

Sample: 125762 - AH-8 (2.0'-2.5')

continued ...

sample 125762 continued ...

Param	Flag	Result	Units	RL

Param	Flag	Result	Units	RL
Chloride		**3160**	mg/Kg	1.00

Sample: 125764 - AH-8 (6.0'-6.5')

Param	Flag	Result	Units	RL
Chloride		**2000**	mg/Kg	1.00

Sample: 125766 - AH-8 (10.0'-10.5')

Param	Flag	Result	Units	RL
Chloride		**2210**	mg/Kg	1.00

Sample: 125767 - AH-9 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**257**	mg/Kg	1.00

Sample: 125768 - AH-9 (1.0'-1.5')

Param	Flag	Result	Units	RL
Chloride		**114**	mg/Kg	1.00

Sample: 125769 - AH-9 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**160**	mg/Kg	1.00

Sample: 125770 - AH-10 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**573**	mg/Kg	1.00

Sample: 125772 - AH-10 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**1280**	mg/Kg	1.00

Sample: 125774 - AH-10 (6.0'-6.5')

Param	Flag	Result	Units	RL
Chloride		**939**	mg/Kg	1.00

Sample: 125776 - AH-10 (9.0'-9.5')

Param	Flag	Result	Units	RL
Chloride		**1210**	mg/Kg	1.00

Sample: 125777 - AH-11 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**1730**	mg/Kg	1.00

Sample: 125779 - AH-11 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**1170**	mg/Kg	1.00

Sample: 125781 - AH-11 (6.0'-6.5')

Param	Flag	Result	Units	RL
Chloride		**263**	mg/Kg	2.00

Sample: 125782 - AH-12 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**2000**	mg/Kg	2.00

Sample: 125784 - AH-12 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**238**	mg/Kg	2.00

Sample: 125786 - AH-12 (5.0'-5.5')

Param	Flag	Result	Units	RL
Chloride		**293**	mg/Kg	2.00

Sample: 125787 - AH-13 (0-1.0')

Param	Flag	Result	Units	RL
Chloride		**893**	mg/Kg	2.00

Sample: 125788 - AH-13 (1.0'-1.5')

Param.	Flag	Result	Units	RL
Chloride		**660**	mg/Kg	2.00

Sample: 125789 - AH-13 (2.0'-2.5')

Param	Flag	Result	Units	RL
Chloride		**1520**	mg/Kg	2.00

Sample: 125790 - AH-13 (4.0'-4.5')

Param	Flag	Result	Units	RL
Chloride		**139**	mg/Kg	2.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft Worth, Texas 76132 817•201•5260
E-Mail. lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: June 7, 2007

Work Order: 7052928

Project Location: Lea County, NM
Project Name: SWR/Cities Fed #2 SWD
Project Number: 3015

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
125737	AH-1 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125738	AH-1 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125739	AH-1 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125740	AH-2 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125741	AH-2 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125742	AH-3 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125743	AH-3 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125744	AH-4 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125745	AH-4 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125746	AH-4 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125747	AH-5 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125748	AH-5 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125749	AH-5 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125750	AH-6 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125751	AH-6 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125752	AH-6 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125753	AH-7 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125755	AH-7 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125757	AH-7 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125759	AH-7 (10.0'-10.5')	soil	2007-05-24	00:00	2007-05-29
125760	AH-8 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125761	AH-8 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125762	AH-8 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125764	AH-8 (6.0 -6.5')	soil	2007-05-24	00:00	2007-05-29
125766	AH-8 (10.0'-10.5')	soil	2007-05-24	00:00	2007-05-29
125767	AH-9 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125768	AH-9 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125769	AH-9 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125770	AH-10 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125772	AH-10 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125774	AH-10 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125776	AH-10 (9.0'-9.5')	soil	2007-05-24	00:00	2007-05-29

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
125777	AH-11 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125779	AH-11 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125781	AH-11 (6.0'-6.5')	soil	2007-05-24	00:00	2007-05-29
125782	AH-12 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125784	AH-12 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125786	AH-12 (5.0'-5.5')	soil	2007-05-24	00:00	2007-05-29
125787	AH-13 (0-1.0')	soil	2007-05-24	00:00	2007-05-29
125788	AH-13 (1.0'-1.5')	soil	2007-05-24	00:00	2007-05-29
125789	AH-13 (2.0'-2.5')	soil	2007-05-24	00:00	2007-05-29
125790	AH-13 (4.0'-4.5')	soil	2007-05-24	00:00	2007-05-29

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.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project SWR/Cities Fed #2 SWD were received by TraceAnalysis, Inc. on 2007-05-29 and assigned to work order 7052928. Samples for work order 7052928 were received intact at a temperature of 4 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
Chloride (IC)	E 300.0
Chloride (Titration)	SM 4500-Cl B
MTBE	S 8021B
TPH DRO	Mod 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7052928 since the sample was chosen at random Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 125737 - AH-1 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**646**	mg/Kg	50	1.00

Sample: 125737 - AH-1 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		140	mg/Kg	1	150	93	32.9 - 167

Sample: 125737 - AH-1 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		**2.62**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.795	mg/Kg	1	1.00	80	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.16	mg/Kg	1	1.00	116	67.5 - 140.3

Sample: 125738 - AH-1 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**601**	mg/Kg	10	1.00

Sample: 125739 - AH-1 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1100**		mg/Kg	50	1.00

Sample: 125740 - AH-2 (0-1.0')

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method	S 5035
QC Batch:	37778	Date Analyzed:	2007-06-02	Analyzed By:	AG
Prep Batch:	32707	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
MTBE		<0.0200		mg/Kg	2	0.0100
Benzene		<0.0200		mg/Kg	2	0.0100
Toluene		<0.0200		mg/Kg	2	0.0100
Ethylbenzene		<0.0200		mg/Kg	2	0.0100
Xylene		<0.0200		mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.10	mg/Kg	2	2.00	105	26 - 117.8
4-Bromofluorobenzene (4-BFB)		2.22	mg/Kg	2	2.00	111	51.1 - 119.1

Sample: 125740 - AH-2 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**637**		mg/Kg	50	1.00

Sample: 125740 - AH-2 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**1400**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	277	mg/Kg	1	150	185	32.9 - 167

Sample: 125740 - AH-2 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**63.6**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.04	mg/Kg	10	10.0	80	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		9.88	mg/Kg	10	10.0	99	67.5 - 140.3

Sample: 125741 - AH-2 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method.	N/A
QC Batch:	37703	Date Analyzed.	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**45.5**	mg/Kg	5	1.00

Sample: 125742 - AH-3 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method.	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**23.6**	mg/Kg	5	1.00

Sample: 125742 - AH-3 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**66.4**	mg/Kg	1	50.0

[1] High surrogate recovery due to peak interference.

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		182	mg/Kg	1	150	121	32.9 - 167

Sample: 125742 - AH-3 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.45**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.778	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	67.5 - 140.3

Sample: 125743 - AH-3 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300 0	Prep Method:	N/A
QC Batch:	37703	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32674	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride	B	**16.0**	mg/Kg	5	1.00

Sample: 125744 - AH-4 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**214**	mg/Kg	5	1.00

Sample: 125744 - AH-4 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		158	mg/Kg	1	150	105	32.9 - 167

Sample: 125744 - AH-4 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.25**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.786	mg/Kg	1	1.00	79	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.00	mg/Kg	1	1.00	100	67.5 - 140.3

Sample: 125745 - AH-4 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**134**	mg/Kg	5	1.00

Sample: 125746 - AH-4 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1180**	mg/Kg	500	1.00

Sample: 125747 - AH-5 (0-1.0')

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	37778	Date Analyzed:	2007-06-02	Analyzed By:	AG
Prep Batch:	32707	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.0200	mg/Kg	2	0.0100

continued ...

sample 125747 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Toluene		**0.0281**	mg/Kg	2	0.0100
Ethylbenzene		**0.118**	mg/Kg	2	0.0100
Xylene		**1.00**	mg/Kg	2	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.83	mg/Kg	2	2.00	92	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.70	mg/Kg	2	2.00	85	51.1 - 119.1

Sample: 125747 - AH-5 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**315**	mg/Kg	50	1.00

Sample: 125747 - AH-5 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**3680**	mg/Kg	5	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		195	mg/Kg	5	150	130	32.9 - 167

Sample: 125747 - AH-5 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**194**	mg/Kg	20	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		13.1	mg/Kg	20	20.0	66	52.4 - 123.7

continued ..

sample continued ..

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
4-Bromofluorobenzene (4-BFB)		20.2	mg/Kg	20	20.0	101	67.5 - 140.3

Sample: 125748 - AH-5 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**120**	mg/Kg	5	1.00

Sample: 125749 - AH-5 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**36.7**	mg/Kg	5	1.00

Sample: 125750 - AH-6 (0-1.0')

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	37778	Date Analyzed:	2007-06-02	Analyzed By:	AG
Prep Batch:	32707	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	[2]	<0.0500	mg/Kg	5	0.0100
Toluene		<0.0500	mg/Kg	5	0.0100
Ethylbenzene		<0.0500	mg/Kg	5	0.0100
Xylene		**0.392**	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.10	mg/Kg	5	5.00	102	26 - 117.8
4-Bromofluorobenzene (4-BFB)		4.62	mg/Kg	5	5.00	92	51.1 - 119.1

Sample: 125750 - AH-6 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

[2]Sample ran at dilution due to hydrocarbons with a retention time greater than xylene.

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**126**		mg/Kg	5	1.00

Sample: 125750 - AH-6 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**2530**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		170	mg/Kg	1	150	113	32.9 - 167

Sample: 125750 - AH-6 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**351**		mg/Kg	50	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		43.5	mg/Kg	50	50.0	87	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		41.2	mg/Kg	50	50.0	82	67.5 - 140.3

Sample: 125751 - AH-6 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**104**		mg/Kg	5	1.00

Sample: 125752 - AH-6 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**167**		mg/Kg	5	1.00

Sample: 125753 - AH-7 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37704	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32675	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**796**		mg/Kg	50	1.00

Sample: 125753 - AH-7 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		**2860**		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		209	mg/Kg	1	150	139	32.9 - 167

Sample: 125753 - AH-7 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37740	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32700	Sample Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		**63.0**		mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.08	mg/Kg	5	5.00	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		6.61	mg/Kg	5	5.00	132	67.5 - 140.3

Sample: 125755 - AH-7 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**933**		mg/Kg	50	1.00

Sample: 125757 - AH-7 (6.0'-6.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**829**		mg/Kg	50	1.00

Sample: 125759 - AH-7 (10.0'-10.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**397**		mg/Kg	10	1.00

Sample: 125760 - AH-8 (0-1.0')

Analysis.	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	37778	Date Analyzed:	2007-06-02	Analyzed By:	AG
Prep Batch	32707	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		**0.608**		mg/Kg	10	0.0100
Toluene		**3.96**		mg/Kg	10	0.0100
Ethylbenzene		**1.28**		mg/Kg	10	0.0100
Xylene		**10.5**		mg/Kg	10	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		9.18	mg/Kg	10	10.0	92	26 - 117.8
4-Bromofluorobenzene (4-BFB)		8.94	mg/Kg	10	10.0	89	51.1 - 119.1

Sample: 125760 - AH-8 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**583**	mg/Kg	50	1.00

Sample: 125760 - AH-8 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**7840**	mg/Kg	20	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[3]	253	mg/Kg	20	150	169	32.9 - 167

Sample: 125760 - AH-8 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**768**	mg/Kg	100	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		82.2	mg/Kg	100	100	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		91.3	mg/Kg	100	100	91	67.5 - 140.3

Sample: 125761 - AH-8 (1.0'-1.5')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37769	Date Analyzed:	2007-06-01	Analyzed By:	AG
Prep Batch:	32725	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		**1680**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		246	mg/Kg	1	150	164	32.9 - 167

[3]High surrogate recovery due to peak interference.

Sample: 125761 - AH-8 (1.0'-1.5')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37777	Date Analyzed:	2007-06-01	Analyzed By:	AG
Prep Batch:	32707	Sample Preparation:	2007-06-01	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**34.2**	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.11	mg/Kg	5	5.00	82	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		4.75	mg/Kg	5	5.00	95	67.5 - 140.3

Sample: 125762 - AH-8 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**3160**	mg/Kg	100	1.00

Sample: 125764 - AH-8 (6.0'-6.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2000**	mg/Kg	100	1.00

Sample: 125766 - AH-8 (10.0'-10.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**2210**	mg/Kg	100	1.00

Sample: 125767 - AH-9 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		257	mg/Kg	5	1.00

Sample: 125767 - AH-9 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		154	mg/Kg	1	150	103	32.9 - 167

Sample: 125767 - AH-9 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		1.15	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.784	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.10	mg/Kg	1	1.00	110	67.5 - 140.3

Sample: 125768 - AH-9 (1.0'-1.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		114	mg/Kg	5	1.00

Sample: 125769 - AH-9 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37705	Date Analyzed:	2007-05-31	Analyzed By	AR
Prep Batch:	32676	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		160		mg/Kg	10	1.00

Sample: 125770 - AH-10 (0-1.0')

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	37818	Date Analyzed:	2007-06-04	Analyzed By:	AG
Prep Batch:	32759	Sample Preparation:	2007-06-04	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0100		mg/Kg	1	0.0100
Toluene		<0.0100		mg/Kg	1	0.0100
Ethylbenzene		<0.0100		mg/Kg	1	0.0100
Xylene		<0.0100		mg/Kg	1	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/Kg	1	1.00	102	26 - 117.8
4-Bromofluorobenzene (4-BFB)		1.12	mg/Kg	1	1.00	112	51.1 - 119.1

Sample: 125770 - AH-10 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		573		mg/Kg	50	1.00

Sample: 125770 - AH-10 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		110		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		159	mg/Kg	1	150	106	32.9 - 167

Sample: 125770 - AH-10 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37740	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32700	Sample Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**67.2**	mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.04	mg/Kg	10	10.0	80	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		10.4	mg/Kg	10	10.0	104	67.5 - 140.3

Sample: 125772 - AH-10 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1280**	mg/Kg	100	1.00

Sample: 125774 - AH-10 (6.0'-6.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**939**	mg/Kg	50	1.00

Sample: 125776 - AH-10 (9.0'-9.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1210**	mg/Kg	50	1.00

Sample: 125777 - AH-11 (0-1.0')

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1730**		mg/Kg	100	1.00

Sample: 125777 - AH-11 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		109	mg/Kg	1	150	73	32.9 - 167

Sample: 125777 - AH-11 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		<1.00		mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.789	mg/Kg	1	1.00	79	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.02	mg/Kg	1	1.00	102	67.5 - 140.3

Sample: 125779 - AH-11 (2.0'-2.5')

Analysis:	Chloride (IC)	Analytical Method:	E 300 0	Prep Method:	N/A
QC Batch:	37707	Date Analyzed:	2007-05-31	Analyzed By:	AR
Prep Batch:	32677	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**1170**		mg/Kg	100	1.00

Sample: 125781 - AH-11 (6.0'-6.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**263**	mg/Kg	25	2.00

Sample: 125782 - AH-12 (0-1.0')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		**2000**	mg/Kg	25	2.00

Sample: 125782 - AH-12 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	Result	RL Units	Dilution	RL
DRO		**162**	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		124	mg/Kg	1	150	83	32.9 - 167

Sample: 125782 - AH-12 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37740	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32700	Sample Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	Result	RL Units	Dilution	RL
GRO		**4.94**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.783	mg/Kg	1	1.00	78	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		1.08	mg/Kg	1	1.00	108	67.5 - 140.3

Sample: 125784 - AH-12 (2.0'-2.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**238**		mg/Kg	25	2.00

Sample: 125786 - AH-12 (5.0'-5.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**293**		mg/Kg	25	2.00

Sample: 125787 - AH-13 (0-1.0')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch	32766	Sample Preparation.		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		**893**		mg/Kg	25	2.00

Sample: 125787 - AH-13 (0-1.0')

Analysis:	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	37728	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32691	Sample Preparation.	2007-05-30	Prepared By:	AG

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

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		122	mg/Kg	1	150	81	32.9 - 167

Sample: 125787 - AH-13 (0-1.0')

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	37740	Date Analyzed:	2007-05-31	Analyzed By:	AG
Prep Batch:	32700	Sample Preparation:	2007-05-31	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		**1.44**	mg/Kg	1	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.788	mg/Kg	1	1.00	79	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.998	mg/Kg	1	1.00	100	67.5 - 140.3

Sample: 125788 - AH-13 (1.0'-1.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**660**	mg/Kg	25	2.00

Sample: 125789 - AH-13 (2.0'-2.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**1520**	mg/Kg	25	2.00

Sample: 125790 - AH-13 (4.0'-4.5')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	37831	Date Analyzed:	2007-06-05	Analyzed By:	AR
Prep Batch:	32766	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		**139**	mg/Kg	25	2.00

Method Blank (1) QC Batch: 37689

QC Batch:	37689	Date Analyzed:	2007-05-30	Analyzed By:	AG
Prep Batch:	32656	QC Preparation:	2007-05-30	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.891	mg/Kg	1	1.00	89	52 4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.834	mg/Kg	1	1.00	83	67.5 - 140.3

Matrix Blank (1) QC Batch: 37703

QC Batch: 37703 Date Analyzed: 2007-05-31 Analyzed By: AR
Prep Batch: 32674 QC Preparation: 2007-05-31 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.25	mg/Kg	1

Matrix Blank (1) QC Batch: 37704

QC Batch: 37704 Date Analyzed: 2007-05-31 Analyzed By: AR
Prep Batch: 32675 QC Preparation: 2007-05-31 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.23	mg/Kg	1

Matrix Blank (1) QC Batch: 37705

QC Batch: 37705 Date Analyzed: 2007-05-31 Analyzed By: AR
Prep Batch: 32676 QC Preparation: 2007-05-31 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.27	mg/Kg	1

Matrix Blank (1) QC Batch: 37707

QC Batch: 37707 Date Analyzed: 2007-05-31 Analyzed By: AR
Prep Batch: 32677 QC Preparation: 2007-05-31 Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		3.21	mg/Kg	1

Method Blank (1) QC Batch: 37728

QC Batch: 37728 Date Analyzed: 2007-05-30 Analyzed By: AG
Prep Batch: 32691 QC Preparation: 2007-05-30 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		111	mg/Kg	1	150	74	44.7 - 133.6

Method Blank (1) QC Batch: 37740

QC Batch: 37740 Date Analyzed: 2007-05-31 Analyzed By: AG
Prep Batch: 32700 QC Preparation: 2007-05-31 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	89	52 4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.847	mg/Kg	1	1 00	85	67.5 - 140.3

Method Blank (1) QC Batch: 37769

QC Batch: 37769 Date Analyzed: 2007-06-01 Analyzed By: AG
Prep Batch: 32725 QC Preparation 2007-06-01 Prepared By: MS

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		112	mg/Kg	1	150	75	44 7 - 133.6

Method Blank (1) QC Batch: 37777

QC Batch: 37777 Date Analyzed: 2007-06-01 Analyzed By: AG
Prep Batch: 32707 QC Preparation: 2007-06-01 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		0.752	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.886	mg/Kg	1	1.00	89	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.810	mg/Kg	1	1.00	81	67.5 - 140.3

Method Blank (1) QC Batch: 37778

QC Batch: 37778 | Date Analyzed: 2007-06-02 | Analyzed By: AG
Prep Batch 32707 | QC Preparation: 2007-06-01 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
MTBE		<0.00420	mg/Kg	0.01
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.937	mg/Kg	1	1.00	94	53.9 - 125.1

Method Blank (1) QC Batch: 37818

QC Batch: 37818 | Date Analyzed: 2007-06-04 | Analyzed By: AG
Prep Batch: 32759 | QC Preparation: 2007-06-04 | Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.01
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/Kg	1	1.00	104	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.940	mg/Kg	1	1.00	94	53.9 - 125.1

Method Blank (1) QC Batch: 37831

QC Batch: 37831 | Date Analyzed: 2007-06-05 | Analyzed By: AR
Prep Batch: 32766 | QC Preparation: 2007-06-05 | Prepared By: AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Laboratory Control Spike (LCS-1)

QC Batch: 37689 | Date Analyzed: 2007-05-30 | Analyzed By: AG
Prep Batch: 32656 | QC Preparation: 2007-05-30 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	9.55	mg/Kg	1	10.0	<0.739	96	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
GRO	9.48	mg/Kg	1	10.0	<0.739	95	57.7 - 102.5	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.13	1.10	mg/Kg	1	1.00	113	110	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	1.00	0.980	mg/Kg	1	1.00	100	98	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 37703 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32674 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	15.4	mg/Kg	1	12.5	2.1673	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Chloride	15.3	mg/Kg	1	12.5	2.1673	105	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 37704 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32675 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	15.3	mg/Kg	1	12.5	2.1787	105	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Chloride	15.2	mg/Kg	1	12.5	2.1787	104	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 37705 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32676 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	15.3	mg/Kg	1	12.5	2.1499	105	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
Chloride	15.3	mg/Kg	1	12.5	2.1499	105	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 37707 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32677 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	15.4	mg/Kg	1	12.5	2.1559	106	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	15.3	mg/Kg	1	12.5	2.1559	105	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 37728 | Date Analyzed: 2007-05-30 | Analyzed By: AG
Prep Batch: 32691 | QC Preparation: 2007-05-30 | Prepared By: AG

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit
DRO	201	mg/Kg	1	250	<14.6	80	47.5 - 144.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	217	mg/Kg	1	250	<14.6	87	47.5 - 144.1	8	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec Limit
n-Triacontane	121	128	mg/Kg	1	150	81	85	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 37740 | Date Analyzed: 2007-05-31 | Analyzed By: AG
Prep Batch: 32700 | QC Preparation: 2007-05-31 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
GRO	9.20	mg/Kg	1	10.0	<0.739	92	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
GRO	9.43	mg/Kg	1	10.0	<0.739	94	57.7 - 102.5	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.11	1.11	mg/Kg	1	1.00	111	111	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	1.01	0.994	mg/Kg	1	1.00	101	99	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 37769 | Date Analyzed: 2007-06-01 | Analyzed By: AG
Prep Batch: 32725 | QC Preparation: 2007-06-01 | Prepared By: MS

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
DRO	289	mg/Kg	1	250	<14.6	116	47.5 - 144.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
DRO	277	mg/Kg	1	250	<14.6	111	47.5 - 144.1	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec Limit
n-Triacontane	116	110	mg/Kg	1	150	77	73	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 37777 | Date Analyzed: 2007-06-01 | Analyzed By: AG
Prep Batch: 32707 | QC Preparation: 2007-06-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
GRO	8.18	mg/Kg	1	10.0	<0.739	82	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.90	mg/Kg	1	10.0	<0.739	79	57.7 - 102.5	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.15	1.14	mg/Kg	1	1.00	115	114	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.907	0.904	mg/Kg	1	1.00	91	90	70 - 130

Laboratory Control Spike (LCS-1)

QC Batch: 37778 | Date Analyzed: 2007-06-02 | Analyzed By: AG
Prep Batch: 32707 | QC Preparation: 2007-06-01 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
MTBE	0.978	mg/Kg	1	1.00	<0.00420	98	65.6 - 128.5
Benzene	1.04	mg/Kg	1	1.00	<0.00110	104	68.6 - 123.4
Toluene	1.04	mg/Kg	1	1.00	<0.00150	104	74.6 - 119.3
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	72.3 - 126.2
Xylene	3.03	mg/Kg	1	3.00	<0.00410	101	76.5 - 121.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	1.05	mg/Kg	1	1.00	<0.00420	105	65.6 - 128.5	7	20
Benzene	1.03	mg/Kg	1	1.00	<0.00110	103	68.6 - 123.4	1	20
Toluene	1.02	mg/Kg	1	1.00	<0.00150	102	74.6 - 119.3	2	20
Ethylbenzene	0.998	mg/Kg	1	1.00	<0.00160	100	72.3 - 126.2	1	20
Xylene	2.99	mg/Kg	1	3.00	<0.00410	100	76.5 - 121.6	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.963	0.919	mg/Kg	1	1.00	96	92	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	0.994	0.988	mg/Kg	1	1.00	99	99	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 37818 | Date Analyzed: 2007-06-04 | Analyzed By: AG
Prep Batch: 32759 | QC Preparation: 2007-06-04 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.04	mg/Kg	1	1.00	<0.00110	104	68.6 - 123.4
Toluene	1.03	mg/Kg	1	1.00	<0.00150	103	74.6 - 119.3
Ethylbenzene	1.01	mg/Kg	1	1.00	<0.00160	101	72.3 - 126.2
Xylene	3.04	mg/Kg	1	3.00	<0.00410	101	76.5 - 121.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.05	mg/Kg	1	1.00	<0.00110	105	68.6 - 123.4	1	20
Toluene	1.06	mg/Kg	1	1.00	<0.00150	106	74.6 - 119.3	3	20

continued ...

control spikes continued ...

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Ethylbenzene	1.04	mg/Kg	1	1.00	<0.00160	104	72.3 - 126.2	3	20
Xylene	3.12	mg/Kg	1	3.00	<0.00410	104	76.5 - 121.6	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.925	0.923	mg/Kg	1	1.00	92	92	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	1.00	1.00	mg/Kg	1	1.00	100	100	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 37831 | Date Analyzed: 2007-06-05 | Analyzed By: AR
Prep Batch: 32766 | QC Preparation: 2007-06-05 | Prepared By: AR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	96.0	mg/Kg	1	100	<0.500	96	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	97.0	mg/Kg	1	100	<0.500	97	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Matrix Spike (MS-1) Spiked Sample: 125777

QC Batch: 37689 | Date Analyzed: 2007-05-30 | Analyzed By: AG
Prep Batch: 32656 | QC Preparation: 2007-05-30 | Prepared By: AG

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.20	mg/Kg	1	10.0	0.8627	63	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.66	mg/Kg	1	10.0	0.8627	68	10 - 141.5	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.684	0.689	mg/Kg	1	1	68	69	40 - 125.3
4-Bromofluorobenzene (4-BFB)	1.06	1.05	mg/Kg	1	1	106	105	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 125519

QC Batch: 37703 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32674 | QC Preparation: 2007-05-31 | Prepared By: AR

Param		MS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	[4]	2900	mg/Kg	100	1250	1372.76	122	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Chloride	[5]	2880	mg/Kg	100	1250	1372.76	120	90 - 110	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 125753

QC Batch: 37704 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32675 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	1400	mg/Kg	50	625	796.388	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	1380	mg/Kg	50	625	796.388	93	90 - 110	1	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Matrix Spike (MS-1) Spiked Sample: 125762

QC Batch: 37705 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32676 | QC Preparation: 2007-05-31 | Prepared By: AR

Param		MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	[6]	4550	mg/Kg	100	1250	3161.71	111	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param		MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	[7]	3580	mg/Kg	100	1250	3161.71	33	90 - 110	24	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[4]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[5]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.
[6]Matrix spike recovery out of control limits due to matrix interference Use LCS/LCSD to demonstrate analysis is under control.
[7]Matrix spike recovery out of control limits due to matrix interference. Use LCS/LCSD to demonstrate analysis is under control.

Matrix Spike (MS-1) Spiked Sample: 125779

QC Batch: 37707 | Date Analyzed: 2007-05-31 | Analyzed By: AR
Prep Batch: 32677 | QC Preparation: 2007-05-31 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	2410	mg/Kg	100	1250	1172.99	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2400	mg/Kg	100	1250	1172.99	98	90 - 110	0	

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Matrix Spike (MS-1) Spiked Sample: 125787

QC Batch: 37728 | Date Analyzed: 2007-05-30 | Analyzed By: AG
Prep Batch: 32691 | QC Preparation: 2007-05-30 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
DRO	293	mg/Kg	1	250	<14.6	117	11.7 - 152.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
DRO	306	mg/Kg	1	250	<14.6	122	11.7 - 152.3	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
n-Triacontane	107	114	mg/Kg	1	150	71	76	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 125795

QC Batch: 37740 | Date Analyzed: 2007-05-31 | Analyzed By: AG
Prep Batch: 32700 | QC Preparation: 2007-05-31 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
GRO	6.13	mg/Kg	1	10.0	1.02	51	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	6.48	mg/Kg	1	10.0	1.02	55	10 - 141.5	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.679	0.711	mg/Kg	1	1	68	71	40 - 125.3
4-Bromofluorobenzene (4-BFB)	0.997	0.985	mg/Kg	1	1	100	98	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 126052

QC Batch: 37769 | Date Analyzed: 2007-06-01 | Analyzed By: AG
Prep Batch: 32725 | QC Preparation: 2007-06-01 | Prepared By: MS

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	332	mg/Kg	1	250	<14.6	133	11.7 - 152.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
DRO	342	mg/Kg	1	250	<14.6	137	11.7 - 152.3	3	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec.	MSD Rec	Rec. Limit
n-Triacontane	112	112	mg/Kg	1	150	75	75	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 125955

QC Batch: 37777 | Date Analyzed: 2007-06-01 | Analyzed By: AG
Prep Batch: 32707 | QC Preparation: 2007-06-01 | Prepared By: AG

Param	MS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	6.37	mg/Kg	1	10.0	0.993	54	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	5.98	mg/Kg	1	10.0	0.993	50	10 - 141.5	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.700	0.708	mg/Kg	1	1	70	71	40 - 125.3
4-Bromofluorobenzene (4-BFB)	0.992	0.979	mg/Kg	1	1	99	98	86.7 - 144.5

Matrix Spike (MS-1) Spiked Sample: 126030

QC Batch: 37778 | Date Analyzed: 2007-06-02 | Analyzed By: AG
Prep Batch: 32707 | QC Preparation: 2007-06-01 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
MTBE	0.875	mg/Kg	1	1.00	<0.00420	88	43.9 - 133.1
Benzene	1.00	mg/Kg	1	1.00	<0.00110	100	64.4 - 115.7
Toluene	1.09	mg/Kg	1	1.00	0.044	105	57.8 - 124.4
Ethylbenzene	1.04	mg/Kg	1	1.00	<0.00160	104	64.8 - 125.8
Xylene	3.32	mg/Kg	1	3.00	0.2994	101	65.2 - 121.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
MTBE	0.901	mg/Kg	1	1.00	<0.00420	90	43.9 - 133.1	3	20
Benzene	1.06	mg/Kg	1	1.00	<0.00110	106	64.4 - 115.7	6	20
Toluene	1.08	mg/Kg	1	1.00	0.044	104	57.8 - 124.4	1	20
Ethylbenzene	1.07	mg/Kg	1	1.00	<0.00160	107	64.8 - 125.8	3	20
Xylene	3.27	mg/Kg	1	3.00	0.2994	99	65.2 - 121.8	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec.	MSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.910	0.964	mg/Kg	1	1	91	96	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	1.09	1.05	mg/Kg	1	1	109	105	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 126153

QC Batch: 37818 | Date Analyzed: 2007-06-04 | Analyzed By: AG
Prep Batch: 32759 | QC Preparation: 2007-06-04 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Benzene	1.05	mg/Kg	1	1.00	<0.00110	105	64.4 - 115.7
Toluene	1.05	mg/Kg	1	1.00	<0.00150	105	57.8 - 124 4
Ethylbenzene	1.02	mg/Kg	1	1.00	<0.00160	102	64.8 - 125.8
Xylene	3.06	mg/Kg	1	3.00	<0.00410	102	65.2 - 121.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	1.01	mg/Kg	1	1.00	<0.00110	101	64.4 - 115.7	4	20
Toluene	1.01	mg/Kg	1	1.00	<0.00150	101	57.8 - 124.4	4	20
Ethylbenzene	0.979	mg/Kg	1	1.00	<0.00160	98	64.8 - 125.8	4	20
Xylene	2.94	mg/Kg	1	3.00	<0.00410	98	65.2 - 121.8	4	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec	Rec Limit
Trifluorotoluene (TFT)	0.891	0.921	mg/Kg	1	1	89	92	52.8 - 121.7
4-Bromofluorobenzene (4-BFB)	1.04	0.947	mg/Kg	1	1	104	95	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 125790

QC Batch: 37831 | Date Analyzed: 2007-06-05 | Analyzed By: AR
Prep Batch: 32766 | QC Preparation: 2007-06-05 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Chloride	2480	mg/Kg	25	2500	138.958	94	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2500	mg/Kg	25	2500	138.958	94	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1)

QC Batch: 37689 | Date Analyzed: 2007-05-30 | Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.09	109	85 - 115	2007-05-30

Standard (CCV-1)

QC Batch: 37689 | Date Analyzed: 2007-05-30 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2007-05-30

Standard (ICV-1)

QC Batch: 37703 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37703 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (ICV-1)

QC Batch: 37704 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37704 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (ICV-1)

QC Batch: 37705 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37705 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (ICV-1)

QC Batch: 37707 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (CCV-1)

QC Batch: 37707 | Date Analyzed: 2007-05-31 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	12.5	12.6	101	90 - 110	2007-05-31

Standard (ICV-1)

QC Batch: 37728 Date Analyzed: 2007-05-30 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	220	88	85 - 115	2007-05-30

Standard (CCV-1)

QC Batch: 37728 Date Analyzed: 2007-05-30 Analyzed By: AG

Param	Flag	Units	CCVs True Conc	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	258	103	85 - 115	2007-05-30

Standard (CCV-2)

QC Batch. 37728 Date Analyzed: 2007-05-30 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	257	103	85 - 115	2007-05-30

Standard (ICV-1)

QC Batch: 37740 Date Analyzed: 2007-05-31 Analyzed By: AG

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.959	96	85 - 115	2007-05-31

Standard (CCV-1)

QC Batch: 37740 Date Analyzed: 2007-05-31 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.953	95	85 - 115	2007-05-31

Standard (ICV-1)

QC Batch: 37769 Date Analyzed: 2007-06-01 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	251	100	85 - 115	2007-06-01

Standard (CCV-1)

QC Batch: 37769 Date Analyzed: 2007-06-01 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	269	108	85 - 115	2007-06-01

Standard (ICV-1)

QC Batch: 37777 Date Analyzed: 2007-06-01 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.05	105	85 - 115	2007-06-01

Standard (CCV-1)

QC Batch: 37777 Date Analyzed: 2007-06-01 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.01	101	85 - 115	2007-06-01

Standard (ICV-1)

QC Batch: 37778 Date Analyzed: 2007-06-02 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.101	101	85 - 115	2007-06-02
Benzene		mg/Kg	0.100	0.103	103	85 - 115	2007-06-02
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2007-06-02
Ethylbenzene		mg/Kg	0.100	0.0986	99	85 - 115	2007-06-02
Xylene		mg/Kg	0.300	0.296	99	85 - 115	2007-06-02

Standard (CCV-1)

QC Batch: 37778 Date Analyzed: 2007-06-02 Analyzed By: AG

Param	Flag	Units	CCVs True Conc	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
MTBE		mg/Kg	0.100	0.0936	94	85 - 115	2007-06-02
Benzene		mg/Kg	0.100	0.101	101	85 - 115	2007-06-02
Toluene		mg/Kg	0.100	0.102	102	85 - 115	2007-06-02
Ethylbenzene		mg/Kg	0.100	0.0968	97	85 - 115	2007-06-02
Xylene		mg/Kg	0.300	0.290	97	85 - 115	2007-06-02

Standard (ICV-1)

QC Batch: 37818 Date Analyzed: 2007-06-04 Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0963	96	85 - 115	2007-06-04
Toluene		mg/Kg	0.100	0.0968	97	85 - 115	2007-06-04
Ethylbenzene		mg/Kg	0.100	0.0947	95	85 - 115	2007-06-04
Xylene		mg/Kg	0.300	0.286	95	85 - 115	2007-06-04

Standard (CCV-1)

QC Batch: 37818 Date Analyzed: 2007-06-04 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0972	97	85 - 115	2007-06-04
Toluene		mg/Kg	0.100	0.0979	98	85 - 115	2007-06-04
Ethylbenzene		mg/Kg	0.100	0.0945	94	85 - 115	2007-06-04
Xylene		mg/Kg	0.300	0.284	95	85 - 115	2007-06-04

Standard (ICV-1)

QC Batch: 37831 Date Analyzed: 2007-06-05 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.8	99	85 - 115	2007-06-05

Standard (CCV-1)

QC Batch: 37831 Date Analyzed: 2007-06-05 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	101	101	85 - 115	2007-06-05

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 6

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed # 2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
125737	5/24/07		S		X	AH-1 (0-1.0')	1				X	
125738			S		X	AH-1 (1.0'-1.5')	1				X	
125739			S		X	AH-1 (2.0'-2.5')	1				X	
125740			S		X	AH-2 (0-1.0')	1				X	
125741			S		X	AH-2 (1.0'-1.5')	1				X	
125742			S		X	AH-3 (0-1.0')	1				X	
125743			S		X	AH-3 (1.0'-1.5')	1				X	
125744			S		X	AH-4 (0-1.0')	1				X	
125745			S		X	AH-4 (1.0'-1.5')	1				X	
125746			S		X	AH-4 (2.0'-2.5')	1				X	

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602 | MTBE 8020/602 | TPH: 8015 MOD. TX1005 / 418.1 | PAH 8270 | RCRA Metals Ag As Ba Cd Cr Pb Hg Se | TCLP Metals Ag As Ba Cd Cr Pd Hg Se | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC-MS Vol. 8240/8260/624 | GC-MS Semi. Vol. 8270/625 | PCB's 8080/608 | Pest. 608/608 | BOD, TSS, pH, TDS, Chloride | Gamma Spec. | Alpha Beta (Air) | PLM (Asbestos)

RELINQUISHED BY: (Signature)	Date: 5/29/07 Time: 4:50	RECEIVED BY: (Signature) Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature) Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature) Date: Time:
RECEIVING LABORATORY: Trace		RECEIVED BY: (Signature)
ADDRESS:		
CITY: Midland STATE: Texas ZIP:		DATE: 5-29-07 TIME: 16:50
CONTACT: PHONE:		

SAMPLED BY: (Print & Sign) Ray Taylor / Kat Harrison Date: 5/25/07 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: Run additional TPH if TPH exceeds 5,000 mg/kg. Run (5) BTEX from the highest TPH Samples in (0-1')

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed # 2 SWD Lea Co, NM.

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125747	5/24/07		S		X	AH-5 (0-1.0')	1				X				X											X			
125748			S		X	AH-5 (1.0'-1.5')	1				X															X			
125749			S		X	AH-5 (2.0'-2.5')	1				X															X			
125750			S		X	AH-6 (0-1.0')	1				X				X											X			
125751			S		X	AH-6 (1.0'-1.5')	1				X															X			
125752			S		X	AH-6 (2.0'-2.5')	1				X															X			
125753			S		X	AH-7 (0-1.0')	1				X				X											X			
125754			S		X	AH-7 (1.0'-1.5')	1				X															X			
125755			S		X	AH-7 (2.0'-2.5')	1				X															X			
125756	"		S		X	AH-7 (4.0-4.5')	1				X																		

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 11:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kelt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed # 2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B/602	MTBE 8020/602	8015 Mod. TX1005	GRO 418.1	DRO	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semd Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125757	5/8/07		S		X	AH-7 (6.0'-6.5')	1				X																	X			
125758			S		X	AH-7 (8.0'-8.5')	1				X																				
125759			S		X	AH-7 (10.0'-10.5')	1				X																	X			
125760			S		X	AH-8 (0-1.0')	1				X					X												X			
125761			S		X	AH-8 (1.0'-1.5')	1				X																				
125762			S		X	AH-8 (2.0'-2.5')	1				X																	X			
125763			S		X	AH-8 (4.0'-4.5')	1				X																				
125764			S		X	AH-8 (6.0'-6.5')	1				X																	X			
125765			S		X	AH-8 (8.0'-8.5')	1				X																				
125766			S		X	AH-8 (10.0'-10.5')	1				X																	X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kelt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: IKe Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed #2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125767	5/24/07		S		X	AH-9 (0-1.0')	1				X				X											X			
125768			S		X	AH-9 (1.0'-1.5')	1				X															X			
125769			S		X	AH-9 (2.0'-2.5')	1				X															X			
125770			S		X	AH-10 (0-1.0')	1				X				X											X			
125771			S		X	AH-10 (1.0'-1.5')	1				X																		
125772			S		X	AH-10 (2.0'-2.5')	1				X															X			
125773			S		X	AH-10 (4.0'-4.5')	1				X																		
125774			S		X	AH-10 (6.0'-6.5')	1				X															X			
125775			S		X	AH-10 (8.0'-8.5')	1				X																		
125776			S		X	AH-10 (9.0'-9.5')	1				X															X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kolt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5-29-07 TIME: 16:50

HIGHLANDER CONTACT PERSON: IKe Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: IKe Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed #2 SWD
Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GCMS Vol. 8240/8260/624	GCMS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chlorides	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125777	5/24/07		S		X	AH-11 (0-1.0')	1				X				X											X			
125778			S		X	AH-11 (1.0'-1.5')	1				X																		
125779			S		X	AH-11 (2.0'-2.5')	1				X															X			
125780			S		X	AH-11 (4.0'-4.5')	1				X																		
125781			S		X	AH-11 (6.0'-6.5')	1				X															X			
125782			S		X	AH-12 (0-1.0')	1				X				X											X			
125783			S		X	AH-12 (1.0'-1.5')	1				X																		
125784			S		X	AH-12 (2.0'-2.5')	1				X															X			
125785			S		X	AH-12 (4.0'-4.5')	1				X																		
125786			S		X	AH-12 (5.0'-5.5')	1				X															X			

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Walt Harrison Date: 5/25/07 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: Texas ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 5.29.07 TIME: 16:30

HIGHLANDER CONTACT PERSON: IKe Tavarez

Results by:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 6 OF: 6

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed # 2 SWD
Lea Co, NM

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 6015 MOD. / TX1005 / 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RGI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chlorides	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125787	5/24/07		S		X	AH-13 (0-1.0')	1				X				X											X			
125788			S		X	AH-13 (1.0'-1.5')	1				X															X			
125789			S		X	AH-13 (2.0'-2.5')	1				X															X			
125790			S		X	AH-13 (4.0'-4.5')	1				X															X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:30

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Matt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4C

MATRIX: W—Water A—Air SD—Solid S—Soil SL—Sludge O—Other

REMARKS:

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

125737-90

COC # 705928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 6

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed # 2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125737	5/24/07		S		X	AH-1 (0-1.0')	1				X				X											X			
125738			S		X	AH-1 (1.0'-1.5')	1				X															X			
125739			S		X	AH-1 (2.0'-2.5')	1				X															X			
125740			S		X	AH-2 (0-1.0')	1				X		X		X											X			
125741			S		X	AH-2 (1.0'-1.5')	1				X															X			
125742			S		X	AH-3 (0-1.0')	1				X				X											X			
125743			S		X	AH-3 (1.0'-1.5')	1				X															X			
125744			S		X	AH-4 (0-1.0')	1				X				X											X			
125745			S		X	AH-4 (1.0'-1.5')	1				X															X			
125746			S		X	AH-4 (2.0'-2.5')	1				X															X			

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kat Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #

HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: Run additional TPH if TPH exceeds 5,000 mg/kg. Run (5) BTEX from the highest

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

RCSI

6-8 FEP

TPH Samples 2 (0-1)

All tests - Midland

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed # 2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8080/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	
125747	5/24/07		S		X	AH-5 (0-1.0')	1				X		X		X											X				
125748			S		X	AH-5 (1.0'-1.5')	1				X															X				
125749			S		X	AH-5 (2.0'-2.5')	1				X															X				
125750			S		X	AH-6 (0-1.0')	1				X		X		X											X				
125751			S		X	AH-6 (1.0'-1.5')	1				X															X				*
125752			S		X	AH-6 (2.0'-2.5')	1				X															X				
125753			S		X	AH-7 (0-1.0')	1				X				X											X				
125754			S		X	AH-7 (1.0'-1.5')	1				X																			
125755			S		X	AH-7 (2.0'-2.5')	1				X															X				
125756	↓		S		X	AH-7 (4.0-4.5')	1				X																			

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 11:50

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

SAMPLED BY: (Print & Sign) Ray Taylor / Kolt Harrison Date: 5/25/07 Time:

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #

HAND DELIVERED UPS OTHER:

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: IKe Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed # 2 SWD
Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 3015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125757	5/24/07		S		X	AH-7 (6.0'-6.5')	1				X															X			
125758			S		X	AH-7 (8.0'-8.5')	1				X																		
125759			S		X	AH-7 (10.0'-10.5')	1				X															X			
125760			S		X	AH-8 (0-1.0')	1				X		X		X											X			
125761			S		X	AH-8 (1.0'-1.5')	1				X				X														
125762			S		X	AH-8 (2.0'-2.5')	1				X															X			
125763			S		X	AH-8 (4.0'-4.5')	1				X																		
125764			S		X	AH-8 (6.0'-6.5')	1				X															X			
125765			S		X	AH-8 (8.0'-8.5')	1				X																		
125766			S		X	AH-8 (10.0'-10.5')	1				X															X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kdt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: IKe Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7052928

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: IKe Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR/Cities Fed #2 SWD Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 (8015 MOD.) TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125767	5/24/07		S		X	AH-9 (0-1.0')	1				X				X											X			
125768			S		X	AH-9 (1.0'-1.5')	1				X															X			
125769			S		X	AH-9 (2.0'-2.5')	1				X															X			
125770			S		X	AH-10 (0-1.0')	1				X		X		X											X			
125771			S		X	AH-10 (1.0'-1.5')	1				X																		
125772			S		X	AH-10 (2.0'-2.5')	1				X															X			
125773			S		X	AH-10 (4.0'-4.5')	1				X																		
125774			S		X	AH-10 (6.0'-6.5')	1				X															X			
125775			S		X	AH-10 (8.0'-8.5')	1				X																		
125776			S		X	AH-10 (9.0'-9.5')	1				X															X			

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 11:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Kolt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: IKe Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4°C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 705298

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed #2 SWD

Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST: MTBE 8020/602	BTEX 8020/602	TPH 418.1	TX1005 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125777	5/24/07		S		X	AH - 11 (0-1.0')	1				X				X												X			
125778			S		X	AH - 11 (1.0'-1.5')	1				X																			
125779			S		X	AH - 11 (2.0'-2.5')	1				X																X			
125780			S		X	AH - 11 (4.0'-4.5')	1				X																			
125781			S		X	AH - 11 (6.0'-6.5')	1				X																X			
125782			S		X	AH - 12 (0-1.0')	1				X				X												X			
125783			S		X	AH - 12 (1.0'-1.5')	1				X																			
125784			S		X	AH - 12 (2.0'-2.5')	1				X																X			
125785			S		X	AH - 12 (4.0'-4.5')	1				X																			
125786			S		X	AH - 12 (5.0'-5.5')	1				X																X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Holt Harrison Date: 5/25/07 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL # HAND DELIVERED UPS OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: Texas ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: 5.29.07 TIME: 16:30

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4C

MATRIX: W-Water A-Air SD-Solid (S-Soil) SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

COC # 7032128

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: SWR

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: SWR / Cities Fed # 2 SWD
Lea Co, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 / 8015 MOD. / TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
125787	5/24/07		S		X	AH-13 (0-1.0')	1				X				X											X			
125788			S		X	AH-13 (1.0'-1.5')	1				X															X			
125789			S		X	AH-13 (2.0'-2.5')	1				X															X			
125790			S		X	AH-13 (4.0'-4.5')	1				X															X			

RELINQUISHED BY: (Signature) Date: 5/29/07 Time: 4:50
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Ray Taylor / Matt Harrison Date: 5/25/07 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: Texas ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature)
DATE: 5.29.07 TIME: 16:50

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:
RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 4C

MATRIX: W—Water A—Air SD—Solid S—Soil SL—Sludge O—Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: July 2, 2007

Work Order: 7062122

Project Location: Lea County, NM
Project Name: SWR/Cities Fed #2 SWD
Project Number: 3015

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128082	SB-1 (14-15')	soil	2007-06-19	00:00	2007-06-21
128083	SB-1 (19-20')	soil	2007-06-19	00:00	2007-06-21
128084	SB-1 (24-25')	soil	2007-06-19	00:00	2007-06-21
128085	SB-1 (29-30')	soil	2007-06-19	00:00	2007-06-21
128086	SB-1 (34-35')	soil	2007-06-19	00:00	2007-06-21
128087	SB-1 (39-40')	soil	2007-06-19	00:00	2007-06-21
128088	SB-1 (44-45')	soil	2007-06-19	00:00	2007-06-21
128089	SB-1 (49-50')	soil	2007-06-19	00:00	2007-06-21
128090	SB-1 (54-55')	soil	2007-06-19	00:00	2007-06-21
128091	SB-3 (14-15')	soil	2007-06-19	00:00	2007-06-21
128092	SB-3 (19-20')	soil	2007-06-19	00:00	2007-06-21
128093	SB-3 (24-25')	soil	2007-06-19	00:00	2007-06-21
128094	SB-2 (14-15')	soil	2007-06-20	00:00	2007-06-21
128095	SB-2 (19-20')	soil	2007-06-20	00:00	2007-06-21
128096	SB-2 (24-25')	soil	2007-06-20	00:00	2007-06-21
128097	SB-2 (28')	soil	2007-06-20	00:00	2007-06-21
128098	Stockpile #1	soil	2007-06-19	00:00	2007-06-21
128099	Stockpile #2	soil	2007-06-19	00:00	2007-06-21

	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)
128098 - Stockpile #1	<0.100	**0.451**	**1.44**	**2.45**		**348**	**171**
128099 - Stockpile #2	<0.0500	<0.0500	<0.0500	**1.12**		**585**	**74.5**

Sample: 128082 - SB-1 (14-15')

Param	Flag	Result	Units	RL
Chloride		**75.1**	mg/Kg	2.00

Sample: 128083 - SB-1 (19-20')

Param	Flag	Result	Units	RL
Chloride		**617**	mg/Kg	2.00

Sample: 128084 - SB-1 (24-25')

Param	Flag	Result	Units	RL
Chloride		**235**	mg/Kg	2.00

Sample: 128085 - SB-1 (29-30')

Param	Flag	Result	Units	RL
Chloride		**70.4**	mg/Kg	2.00

Sample: 128086 - SB-1 (34-35')

Param	Flag	Result	Units	RL
Chloride		**141**	mg/Kg	2.00

Sample: 128087 - SB-1 (39-40')

Param	Flag	Result	Units	RL
Chloride		**77.5**	mg/Kg	2.00

Sample: 128088 - SB-1 (44-45')

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 128089 - SB-1 (49-50')

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 128090 - SB-1 (54-55')

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 128091 - SB-3 (14-15')

Param	Flag	Result	Units	RL
Chloride		**53.4**	mg/Kg	2.00

Sample: 128092 - SB-3 (19-20')

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 128093 - SB-3 (24-25')

Param	Flag	Result	Units	RL
Chloride		<50.0	mg/Kg	2.00

Sample: 128094 - SB-2 (14-15')

Param	Flag	Result	Units	RL
Chloride		**1220**	mg/Kg	2.00

Sample: 128095 - SB-2 (19-20')

Param	Flag	Result	Units	RL
Chloride		**717**	mg/Kg	2.00

Sample: 128096 - SB-2 (24-25')

Param	Flag	Result	Units	RL
Chloride		**390**	mg/Kg	2.00

Sample: 128097 - SB-2 (28')

Param	Flag	Result	Units	RL
Chloride		**353**	mg/Kg	2.00

Sample: 128098 - Stockpile #1

Param	Flag	Result	Units	RL
Chloride		**174**	mg/Kg	2.00

Sample: 128099 - Stockpile #2

Param	Flag	Result	Units	RL
Chloride		**2880**	mg/Kg	2.00

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
200 East Sunset Road, Suite E El Paso, Texas 79922 888•588•3443 915•585•3443 FAX 915•585•4944
5002 Basin Street, Suite A1 Midland, Texas 79703 432•689•6301 FAX 432•689•6313
6015 Harris Parkway, Suite 110 Ft. Worth, Texas 76132 817•201•5260
E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX, 79705

Report Date: July 2, 2007

Work Order: 7062122

Project Location: Lea County, NM
Project Name: SWR/Cities Fed #2 SWD
Project Number: 3015

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

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
128082	SB-1 (14-15')	soil	2007-06-19	00:00	2007-06-21
128083	SB-1 (19-20')	soil	2007-06-19	00:00	2007-06-21
128084	SB-1 (24-25')	soil	2007-06-19	00:00	2007-06-21
128085	SB-1 (29-30')	soil	2007-06-19	00:00	2007-06-21
128086	SB-1 (34-35')	soil	2007-06-19	00:00	2007-06-21
128087	SB-1 (39-40')	soil	2007-06-19	00:00	2007-06-21
128088	SB-1 (44-45')	soil	2007-06-19	00:00	2007-06-21
128089	SB-1 (49-50')	soil	2007-06-19	00:00	2007-06-21
128090	SB-1 (54-55')	soil	2007-06-19	00:00	2007-06-21
128091	SB-3 (14-15')	soil	2007-06-19	00:00	2007-06-21
128092	SB-3 (19-20')	soil	2007-06-19	00:00	2007-06-21
128093	SB-3 (24-25')	soil	2007-06-19	00:00	2007-06-21
128094	SB-2 (14-15')	soil	2007-06-20	00:00	2007-06-21
128095	SB-2 (19-20')	soil	2007-06-20	00:00	2007-06-21
128096	SB-2 (24-25')	soil	2007-06-20	00:00	2007-06-21
128097	SB-2 (28')	soil	2007-06-20	00:00	2007-06-21
128098	Stockpile #1	soil	2007-06-19	00:00	2007-06-21
128099	Stockpile #2	soil	2007-06-19	00:00	2007-06-21

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 17 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

Standard Flags

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

Case Narrative

Samples for project SWR/Cities Fed #2 SWD were received by TraceAnalysis, Inc. on 2007-06-21 and assigned to work order 7062122. Samples for work order 7062122 were received intact at a temperature of 2.5 deg C.

Samples were analyzed for the following tests using their respective methods.

Test	Method
BTEX	S 8021B
Chloride (Titration)	SM 4500-Cl B
TPH DRO	Mod 8015B
TPH GRO	S 8015B

Results for these samples are reported on a wet weight basis unless data package indicates otherwise.

A matrix spike (MS) and matrix spike duplicate (MSD) sample is chosen at random from each preparation batch. The MS and MSD will indicate if a site specific matrix problem is occurring, however, it may not pertain to the samples for work order 7062122 since the sample was chosen at random. Therefore, the validity of the analytical data reported has been determined by the laboratory control sample (LCS) and the method blank (MB). These quality control measures are performed with each preparation batch to ensure data integrity.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 128082 - SB-1 (14-15')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		75.1	mg/Kg	25	2.00

Sample: 128083 - SB-1 (19-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		617	mg/Kg	25	2.00

Sample: 128084 - SB-1 (24-25')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		235	mg/Kg	25	2.00

Sample: 128085 - SB-1 (29-30')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		70.4	mg/Kg	25	2.00

Sample: 128086 - SB-1 (34-35')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		141	mg/Kg	25	2.00

Sample: 128087 - SB-1 (39-40')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl E	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		77.5	mg/Kg	25	2.00

Sample: 128088 - SB-1 (44-45')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 128089 - SB-1 (49-50')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 128090 - SB-1 (54-55')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 128091 - SB-3 (14-15')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		53.4	mg/Kg	25	2.00

Sample: 128092 - SB-3 (19-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 128093 - SB-3 (24-25')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		<50.0	mg/Kg	25	2.00

Sample: 128094 - SB-2 (14-15')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL Units	Dilution	RL
Chloride		1220	mg/Kg	25	2.00

Sample: 128095 - SB-2 (19-20')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

continued ...

sample 128095 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		717	mg/Kg	25	2.00

Sample: 128096 - SB-2 (24-25')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		390	mg/Kg	25	2.00

Sample: 128097 - SB-2 (28')

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		353	mg/Kg	25	2.00

Sample: 128098 - Stockpile #1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5035
QC Batch:	38672	Date Analyzed:	2007-06-28	Analyzed By:	AG
Prep Batch:	33471	Sample Preparation	2007-06-28	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.100	mg/Kg	10	0.0100
Toluene		0.451	mg/Kg	10	0.0100
Ethylbenzene		1.44	mg/Kg	10	0.0100
Xylene		2.45	mg/Kg	10	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		6.93	mg/Kg	10	10.0	69	26 - 117.8
4-Bromofluorobenzene (4-BFB)		8.52	mg/Kg	10	10.0	85	51.1 - 119.1

Sample: 128098 - Stockpile #1

Analysis:	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method:	N/A
QC Batch:	38504	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	Sample Preparation:		Prepared By:	AR

Parameter	Flag	Result	RL	Units	Dilution	RL
Chloride		174		mg/Kg	25	2.00

Sample: 128098 - Stockpile #1

Analysis	TPH DRO	Analytical Method:	Mod 8015B	Prep Method:	N/A
QC Batch:	38491	Date Analyzed:	2007-06-25	Analyzed By:	AG
Prep Batch:	33294	Sample Preparation:	2007-06-24	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
DRO		348		mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane	[1]	1220	mg/Kg	1	150	813	32.9 - 167

Sample: 128098 - Stockpile #1

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38673	Date Analyzed	2007-06-28	Analyzed By:	AG
Prep Batch:	33471	Sample Preparation:	2007-06-28	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
GRO		171		mg/Kg	10	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		7.51	mg/Kg	10	10.0	75	32.4 - 123.7
4-Bromofluorobenzene (4-BFB)		10.5	mg/Kg	10	10.0	105	67.5 - 140.3

Sample: 128099 - Stockpile #2

Analysis:	BTEX	Analytical Method	S 8021B	Prep Method:	S 5035
QC Batch:	38672	Date Analyzed:	2007-06-28	Analyzed By:	AG
Prep Batch:	33471	Sample Preparation:	2007-06-28	Prepared By:	AG

Parameter	Flag	Result	RL	Units	Dilution	RL
Benzene		<0.0500		mg/Kg	5	0.0100
Toluene		<0.0500		mg/Kg	5	0.0100
Ethylbenzene		<0.0500		mg/Kg	5	0.0100

continued ...

[1] High surrogate recovery due to peak interference.

sample 128099 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		1.12	mg/Kg	5	0.0100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3.50	mg/Kg	5	5.00	70	26 - 117.8
4-Bromofluorobenzene (4-BFB)		4.47	mg/Kg	5	5.00	89	51.1 - 119.1

Sample: 128099 - Stockpile #2

Analysis	Chloride (Titration)	Analytical Method:	SM 4500-Cl B	Prep Method	N/A
QC Batch	38505	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch	33322	Sample Preparation:		Prepared By:	AR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2880	mg/Kg	25	2.00

Sample: 128099 - Stockpile #2

Analysis	TPH DRO	Analytical Method:	Mod. 8015B	Prep Method	N/A
QC Batch:	38491	Date Analyzed:	2007-06-25	Analyzed By:	AG
Prep Batch:	33294	Sample Preparation	2007-06-24	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
DRO		585	mg/Kg	1	50.0

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		196	mg/Kg	1	150	131	32.9 - 167

Sample: 128099 - Stockpile #2

Analysis:	TPH GRO	Analytical Method:	S 8015B	Prep Method:	S 5035
QC Batch:	38673	Date Analyzed:	2007-06-28	Analyzed By:	AG
Prep Batch:	33471	Sample Preparation:	2007-06-28	Prepared By:	AG

Parameter	Flag	RL Result	Units	Dilution	RL
GRO		74.5	mg/Kg	5	1.00

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		3.51	mg/Kg	5	5.00	70	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		5.33	mg/Kg	5	5.00	107	67.3 - 140.3

Method Blank (1) QC Batch: 38491

QC Batch:	38491	Date Analyzed:	2007-06-25	Analyzed By:	AG
Prep Batch:	33294	QC Preparation:	2007-06-24	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
DRO		<14.6	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		130	mg/Kg	1	150	87	44.7 - 133.6

Method Blank (1) QC Batch: 38503

QC Batch:	38503	Date Analyzed:	2007-06-25	Analyzed By:	AR
Prep Batch:	33320	QC Preparation:	2007-06-25	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 38504

QC Batch:	38504	Date Analyzed	2007-06-25	Analyzed By:	AR
Prep Batch:	33321	QC Preparation:	2007-06-25	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 38505

QC Batch:	38505	Date Analyzed	2007-06-25	Analyzed By:	AR
Prep Batch:	33322	QC Preparation:	2007-06-25	Prepared By:	AR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.500	mg/Kg	2

Method Blank (1) QC Batch: 38672

QC Batch:	38672	Date Analyzed:	2007-06-28	Analyzed By:	AG
Prep Batch:	33471	QC Preparation:	2007-06-28	Prepared By:	AG

Parameter	Flag	MDL Result	Units	RL
Benzene		<0.00110	mg/Kg	0.00

continued ...

method blank continued . .

Parameter	Flag	MDL Result	Units	RL
Toluene		<0.00150	mg/Kg	0.01
Ethylbenzene		<0.00160	mg/Kg	0.01
Xylene		<0.00410	mg/Kg	0.01

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.701	mg/Kg	1	1.00	70	62.6 - 117.6
4-Bromofluorobenzene (4-BFB)		0.709	mg/Kg	1	1.00	71	53.9 - 125.1

Method Blank (1) QC Batch: 38673

QC Batch: 38673 Date Analyzed: 2007-06-28 Analyzed By: AG
Prep Batch: 33471 QC Preparation: 2007-06-28 Prepared By: AG

Parameter	Flag	MDL Result	Units	RL
GRO		<0.739	mg/Kg	1

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.769	mg/Kg	1	1.00	77	52.4 - 123.7
4-Bromofluorobenzene (4-BFB)		0.700	mg/Kg	1	1.00	70	67.5 - 140.3

Laboratory Control Spike (LCS-1)

QC Batch: 38491 Date Analyzed: 2007-06-25 Analyzed By: AG
Prep Batch: 33294 QC Preparation: 2007-06-24 Prepared By: AG

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	233	mg/Kg	1	250	<14.6	93	47.5 - 144.1

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	270	mg/Kg	1	250	<14.6	108	47.5 - 144.1	15	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec	LCSD Rec.	Rec. Limit
n-Triacontane	156	165	mg/Kg	1	150	104	110	57.3 - 131.6

Laboratory Control Spike (LCS-1)

QC Batch: 38503 Date Analyzed: 2007-06-25 Analyzed By: AR
Prep Batch: 33320 QC Preparation: 2007-06-25 Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	101	mg/Kg	1	100	<0.500	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
Chloride	102	mg/Kg	1	100	<0.500	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Laboratory Control Spike (LCS-1)

QC Batch: 38504 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33321 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit
Chloride	96.3	mg/Kg	1	100	<0.500	96	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Chloride	97.2	mg/Kg	1	100	<0.500	97	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Laboratory Control Spike (LCS-1)

QC Batch: 38505 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33322 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	95.9	mg/Kg	1	100	<0.500	96	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	96.9	mg/Kg	1	100	<0.500	97	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Laboratory Control Spike (LCS-1)

QC Batch: 38672 | Date Analyzed: 2007-06-28 | Analyzed By: AG
Prep Batch: 33471 | QC Preparation: 2007-06-28 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
Benzene	0.977	mg/Kg	1	1.00	<0.00110	98	68.6 - 123.4

continued ...

control spikes continued ..

Param	LCS Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit
Toluene	0.993	mg/Kg	1	1.00	<0.00150	99	74.6 - 119.3
Ethylbenzene	0.942	mg/Kg	1	1.00	<0.00160	94	72.3 - 126.2
Xylene	2.84	mg/Kg	1	3.00	<0.00410	95	76.5 - 121.6

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Benzene	0.916	mg/Kg	1	1.00	<0.00110	92	68.6 - 123.4	6	20
Toluene	0.941	mg/Kg	1	1.00	<0.00150	94	74.6 - 119.3	5	20
Ethylbenzene	0.893	mg/Kg	1	1.00	<0.00160	89	72.3 - 126.2	5	20
Xylene	2.70	mg/Kg	1	3.00	<0.00410	90	76.5 - 121.6	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil	Spike Amount	LCS Rec.	LCSD Rec	Rec. Limit
Trifluorotoluene (TFT)	0.657	0.677	mg/Kg	1	1.00	66	68	64.1 - 118.2
4-Bromofluorobenzene (4-BFB)	0.752	0.747	mg/Kg	1	1.00	75	75	68.7 - 125.8

Laboratory Control Spike (LCS-1)

QC Batch: 38673 | Date Analyzed: 2007-06-28 | Analyzed By: AG
Prep Batch: 33471 | QC Preparation: 2007-06-28 | Prepared By: AG

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
GRO	7.38	mg/Kg	1	10.0	<0.739	74	57.7 - 102.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO	7.43	mg/Kg	1	10.0	<0.739	74	57.7 - 102.5	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil	Spike Amount	LCS Rec	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	1.01	1.02	mg/Kg	1	1.00	101	102	36.8 - 152.5
4-Bromofluorobenzene (4-BFB)	0.778	0.774	mg/Kg	1	1.00	78	77	70 - 130

Matrix Spike (MS-1) Spiked Sample: 128210

QC Batch: 38491 | Date Analyzed: 2007-06-25 | Analyzed By: AG
Prep Batch: 33294 | QC Preparation: 2007-06-24 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
DRO	275	mg/Kg	1	250	<14.6	110	11.7 - 152.3

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
DRO	252	mg/Kg	1	250	<14.6	101	11.7 - 152.3	9	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec.	MSD Rec.	Rec Limit
n-Triacontane	144	132	mg/Kg	1	150	96	88	17 - 163.1

Matrix Spike (MS-1) Spiked Sample: 128088

QC Batch: 38503 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33320 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec Limit
Chloride	2690	mg/Kg	25	2500	46.948	106	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit	RPD	RPD Limit
Chloride	2720	mg/Kg	25	2500	46.948	107	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128098

QC Batch: 38504 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33321 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2700	mg/Kg	25	2500	174.095	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	2730	mg/Kg	25	2500	174.095	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128123

QC Batch: 38505 | Date Analyzed: 2007-06-25 | Analyzed By: AR
Prep Batch: 33322 | QC Preparation: 2007-06-25 | Prepared By: AR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	2600	mg/Kg	25	2500	65.217	101	85 - 115

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil	Spike Amount	Matrix Result	Rec	Rec Limit	RPD	RPD Limit
Chloride	2620	mg/Kg	25	2500	65.217	102	85 - 115	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 128691

QC Batch: 38672 | Date Analyzed: 2007-06-28 | Analyzed By: AG
Prep Batch: 33471 | QC Preparation: 2007-06-28 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit
Benzene	20.3	mg/Kg	20	20.0	0.8156	97	64.4 - 115.7
Toluene	21.6	mg/Kg	20	20.0	1.1004	102	57.8 - 124.4
Ethylbenzene	20.9	mg/Kg	20	20.0	1.8478	95	64.8 - 125.8
Xylene	76.7	mg/Kg	20	60.0	11.682	108	65.2 - 121.8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec Limit	RPD	RPD Limit
Benzene	20.2	mg/Kg	20	20.0	0.8156	97	64.4 - 115.7	0	20
Toluene	22.1	mg/Kg	20	20.0	1.1004	105	57.8 - 124.4	2	20
Ethylbenzene	21.6	mg/Kg	20	20.0	1.8478	99	64.8 - 125.8	3	20
Xylene	81.4	mg/Kg	20	60.0	11.682	116	65.2 - 121.8	6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dil.	Spike Amount	MS Rec	MSD Rec.	Rec Limit
Trifluorotoluene (TFT)	14.4	12.3	mg/Kg	20	20	72	62	52.8 - 124.7
4-Bromofluorobenzene (4-BFB)	18.9	19.7	mg/Kg	20	20	94	98	66.7 - 131.9

Matrix Spike (MS-1) Spiked Sample: 128691

QC Batch: 38673 | Date Analyzed: 2007-06-28 | Analyzed By: AG
Prep Batch: 33471 | QC Preparation: 2007-06-28 | Prepared By: AG

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec	Rec. Limit
GRO [2]	737	mg/Kg	20	200	296	220	10 - 141.5

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
GRO [3]	701	mg/Kg	20	200	296	202	10 - 141.5	5	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

[2]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control
[3]Matrix spike recovery out of control limits due to peak interference. Use LCS/LCSD to demonstrate analysis is under control.

Surrogate	MS Result	MSD Result	Units	Dil	Spike Amount	MS Rec.	MSD Rec	Rec Limit
Trifluorotoluene (TFT)	12.4	12.1	mg/Kg	20	20	62	60	40 - 125.3
4-Bromofluorobenzene (4-BFB)	27.9	28.9	mg/Kg	20	20	140	144	86.7 - 144.5

Standard (CCV-2)

QC Batch 38491 Date Analyzed: 2007-06-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	282	113	85 - 115	2007-06-25

Standard (CCV-3)

QC Batch 38491 Date Analyzed: 2007-06-25 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	272	109	85 - 115	2007-06-25

Standard (ICV-1)

QC Batch: 38503 Date Analyzed: 2007-06-25 Analyzed By: AR

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.0	97	85 - 115	2007-06-25

Standard (CCV-1)

QC Batch: 38503 Date Analyzed: 2007-06-25 Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	103	103	85 - 115	2007-06-25

Standard (ICV-1)

QC Batch: 38504 Date Analyzed: 2007-06-25 Analyzed By: AR

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-06-25

Standard (CCV-1)

QC Batch: 38504 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	98.1	98	85 - 115	2007-06-25

Standard (ICV-1)

QC Batch: 38505 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	102	102	85 - 115	2007-06-25

Standard (CCV-1)

QC Batch: 38505 | Date Analyzed: 2007-06-25 | Analyzed By: AR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/Kg	100	97.9	98	85 - 115	2007-06-25

Standard (ICV-1)

QC Batch: 38672 | Date Analyzed: 2007-06-28 | Analyzed By: AG

Param	Flag	Units	ICVs True Conc.	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0923	92	85 - 115	2007-06-28
Toluene		mg/Kg	0.100	0.0944	94	85 - 115	2007-06-28
Ethylbenzene		mg/Kg	0.100	0.0907	91	85 - 115	2007-06-28
Xylene		mg/Kg	0.300	0.274	91	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38672 | Date Analyzed: 2007-06-28 | Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/Kg	0.100	0.0982	98	85 - 115	2007-06-28
Toluene		mg/Kg	0.100	0.0988	99	85 - 115	2007-06-28
Ethylbenzene		mg/Kg	0.100	0.0932	93	85 - 115	2007-06-28
Xylene		mg/Kg	0.300	0.282	94	85 - 115	2007-06-28

Standard (ICV-1)

QC Batch: 38673 Date Analyzed: 2007-06-28 Analyzed By: AG

Param	Flag	Units	ICVs True Conc	ICVs Found Conc.	ICVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	0.951	95	85 - 115	2007-06-28

Standard (CCV-1)

QC Batch: 38673 Date Analyzed: 2007-06-28 Analyzed By: AG

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1.00	1.06	106	85 - 115	2007-06-28

WO # 7062122

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 2

CLIENT NAME: Southwest Royalties

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: Cities Federal SWD #2

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
128082	06/19/07		S		✓	SB-1 (14-15')	1				✓	✓
083	06/19/07		S		✓	SB-1 (19-20')	1				✓	✓
084	06/19/07		S		✓	SB-1 (24-25')	1				✓	✓
085	06/19/07		S		✓	SB-1 (29-30')	1				✓	✓
086	06/19/07		S		✓	SB-1 (34-35')	1				✓	✓
087	06/19/07		S		✓	SB-1 (39-40')	1				✓	✓
088	06/19/07		S		✓	SB-1 (44-45')	1				✓	✓
089	06/19/07		S		✓	SB-1 (49-50')	1				✓	✓
090	06/19/07		S		✓	SB-1 (54-55')	1				✓	✓
091	06/19/07		S		✓	SB-3 (14-15')	1				✓	✓

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
													✓			
													✓			
													✓			
													✓			
													✓			
													✓			
													✓			
													✓			
													✓			
													✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:40 — RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: — RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: — RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Sally Kindley Date: June 20, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis
ADDRESS:
CITY: Midland STATE: Tx ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Allen Kelton
DATE: 6/21/07 TIME: 10:40

HIGHLANDER CONTACT PERSON:

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Iced/Cool 2.5 °C

MATRIX: W-Water A-Air SD-Solid S-Soil Sl-Sludge O-Other

REMARKS: all tests - Midland

Please FILL out all copies – Laboratory retains yellow copy – Return original copy to Highlander Environmental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

RCS1

WO # 7062122

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 2

CLIENT NAME: Southwest Royalties

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: Cities Federal SWD #2

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
128092	06/19/07		S		✓	SB-3 (19-20')	1				✓	✓
093	06/19/07		S		✓	SB-3 (24-25')	1				✓	✓
094	06/20/07		S		✓	SB-2 (14-15')	1				✓	✓
095	06/20/07		S		✓	SB-2 (19-20')	1				✓	✓
096	06/20/07		S		✓	SB-2 (24-25')	1				✓	✓
097	06/20/07		S		✓	SB-2 (28')	1				✓	✓
098	06/19/07		S	✓		Stockpile #1	1				✓	✓
099	06/19/07		S	✓		Stockpile #2	1				✓	✓

ANALYSIS REQUEST (Circle or Specify Method No.)

STEX: 8020/602	MTBE 8020/602	8015 MOD. TX1005	TPH 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC/MS Vol. 8240/8260/624	GC/MS Semi Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
														✓			
														✓			
														✓			
														✓			
														✓			
														✓			
✓		✓												✓			
✓		✓												✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:41

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffrey Kindley Date: June 20, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #: HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature) Nelle Holton

DATE: 6/21/07 TIME: 10:41

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Iced / Cool 2.5°C

MATRIX: W-Water A-Air SO-Solid S-Soil SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

128082-99

WO # 7062122

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

PAGE: 1 OF: 2

CLIENT NAME: Southwest Royalties

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: Cities Federal SWD #2

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 418.1 8015 MOD. TX1005	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
128082	06/19/07		S		✓	SB-1 (14-15')	1				✓	✓														✓			
083	06/19/07		S		✓	SB-1 (19-20')	1				✓	✓														✓			
084	06/19/07		S		✓	SB-1 (24-25')	1				✓	✓														✓			
085	06/19/07		S		✓	SB-1 (29-30')	1				✓	✓														✓			
086	06/19/07		S		✓	SB-1 (34-35')	1				✓	✓														✓			
087	06/19/07		S		✓	SB-1 (39-40')	1				✓	✓														✓			
088	06/19/07		S		✓	SB-1 (44-45')	1				✓	✓														✓			
089	06/19/07		S		✓	SB-1 (49-50')	1				✓	✓														✓			
090	06/19/07		S		✓	SB-1 (54-55')	1				✓	✓														✓			
091	06/19/07		S		✓	SB-3 (14-15')	1				✓	✓														✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:40

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffry Kindley Jeffry Kindly Date: June 20, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trace Analysis

ADDRESS:

CITY: Midland STATE: Tx ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature) Helen Kelton

DATE: 6/21/07 TIME: 10:40

HIGHLANDER CONTACT PERSON: JJ/2

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Good/Cool 2.5 °C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.

RCS1

WO # 7062122

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Southwest Royalties

SITE MANAGER: Ike Tavarez

PROJECT NO.: 3015

PROJECT NAME: Cities Federal SWD #2

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8020/602	MTBE 8020/602	TPH 8015 MOD. TX1005 / 418.1	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Cr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 608/608	BOD, TSS, pH, TDS, Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
128092	06/19/07		S		✓	SB-3 (19-20')	1				✓	✓														✓			
093	06/19/07		S		✓	SB-3 (24-25')	1				✓	✓														✓			
094	06/20/07		S		✓	SB-2 (14-15')	1				✓	✓														✓			
095	06/20/07		S		✓	SB-2 (19-20')	1				✓	✓														✓			
096	06/20/07		S		✓	SB-2 (24-25')	1				✓	✓														✓			
097	06/20/07		S		✓	SB-2 (28')	1				✓	✓														✓			
098	06/19/07		S	✓		Stockpile #1	1				✓	✓	✓	✓	✓											✓			
099	06/19/07		S	✓		Stockpile #2	1				✓	✓	✓	✓	✓											✓			

RELINQUISHED BY: (Signature) Date: 6/21/07 Time: 10:41

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Sign) Jeffry Kindley Jeffry Kindley Date: June 20, 2007 Time: 1800

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #
HAND DELIVERED UPS OTHER:

RECEIVING LABORATORY: Trau Analysis
ADDRESS:
CITY: Midland STATE: Tx ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Helen Shelton
DATE: 6/21/07 TIME: 10:41

HIGHLANDER CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: Hot / Cool 2.5°C

MATRIX: W-Water A-Air SD-Solid S-Soil SL-Sludge O-Other

REMARKS: all tests - Midland

Please Fill out all copies – Laboratory retains yellow copy – Return original copy to Highlander Enviromental Corp. – Project Manager retains pink copy – Accounting receives Gold copy.