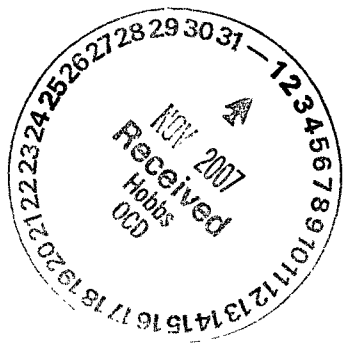
Larson & Associates, Inc.
Environmental Consultants



October 31, 2007

VIA: CERTIFIED MAIL

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

Re: 1RP-1454 – Final Report
John H. Hendrix Corporation - Frisco State "A" Tank Battery
Unit F (SE/4, NW/4), Section 32, Township 22 South, Range 37 East
Lea County, New Mexico

Dear Mr. Johnson:
This letter is submitted to the New Mexico Oil Conservation Division (OCD) on behalf of John H. Hendrix Corporation (JHHC) by Larson & Associates Inc. (LAI), its consultant, and presents the delineation and remediation of a crude oil spill at the Frisco State "A" Tank Battery (Site) located about .5 miles west of Eunice, New Mexico. The legal description for the Site is unit F (SE/4, NW/4), Section 32, Township 22 South and Range 37 East, Lea County, New Mexico. The GPS position for the Site is latitude 32° 26' 18.8" north and longitude 103° 11' 22.5" west. Figure 1 presents a location and topographic map. Figure 2 presents a Site drawing. Contact for JHHC is as follows:

Name:	Marvin Burrows
Title:	Production Superintendent
Address:	1310 18th Street
	Eunice, New Mexico 88231
Telephone:	(505) 394-2649
Cell:	(505) 390-9689
Email:	mburrows@valornet.com

Background
On June 26, 2007, lightening struck the Frisco State "A" Tank Battery igniting a fire that consumed the crude oil tank and a fiberglass water tank. Approximately 0.5- barrels of crude oil contacted the ground over an older spill. Verbal notification was not immediately provided to the OCD, however, form C-141 was submitted on June 29, 2007.

Setting
The Site elevation is approximately 3,460 feet above mean sea level (MSL). No surface water, including playa lakes, streams, rivers, ponds or arroyos, or water wells are located within 1,000 horizontal feet of the Site. Wind-blown sand covers the Site and overlies the Tertiary-age Ogallala formation consisting of yellowish red and reddish yellow sand. The Ogallala formation overlies the Triassic-age Chinle formation consisting of red mud stone, shale and sandstone.

The New Mexico State Engineer (NMSE) shows groundwater at approximately 90 feet below ground surface (bgs) in the vicinity of the Site. Groundwater was measured at approximately 91.50 feet bgs in a temporary monitoring well that was installed immediately down gradient (southeast) of the remediation area.

Delineation

On August 21, 2007, LAI personnel used a Terraprobe® direct-push sampler to collect soil samples at ten (10) locations (SP-1 through SP-10). The soil samples were collected from ground surface to approximately four (4) feet bgs except at locations SP-1, SP-2, SP-6 and SP-9 where samples were collected to approximately eight (8) feet bgs. The samples were placed in clean glass 4-ounce sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Test America Laboratories, Inc. (formerly Severn Trent Laboratories, Inc.) located in Corpus Christi, Texas. The laboratory analyzed the samples for benzene, toluene, ethylbenzene, xylene (BTEX) using method SW-846-8021B, total petroleum hydrocarbons (TPH), including gasoline-range organics (GRO) and diesel-range organics (DRO), using method SW-846-8015 modified and chloride using EPA method 300. Table 1 presents a summary of the TPH and chloride analysis. Table 2 presents a summary of the BTEX analysis. Figure 2 presents the sample locations. Appendix A presents the laboratory report. Appendix B presents the boring logs.

LAI used OCD guidelines (*Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993*) to calculate recommended remediation action levels (RRAL) for benzene, total BTEX and TPH. The following criteria were used to calculate the RRAL:

Criteria	Result	Ranking Score
Depth-to-Groundwater (Vertical Feet)	50 - 99	10
Wellhead Protection Area Horizontal Distance to Water Wells)	>1000 Horizontal Feet to Water Source	0
Distance to Surface Water Body (Horizontal Feet)	>1000 Horizontal Feet to Surface Water Body	0
		Total: 10

The following RRALs have been assigned to the Site:

Benzene **10 mg/kg**
Total BTEX **50 mg/kg**
TPH **1,000 mg/kg**

The following soil samples from August 21, 2007, exceeded the RRAL for TPH:

Location	Depth (Feet BGS)	GRO (mg/Kg)	DRO (mg/Kg)	TPH (mg/Kg)
SP-1	0 – 2	16	16,000	16,016
SP-2	0 – 2	0.063	8,100	8,100.063

SP-3	0 – 2	0.63	8,100	8,100.63
SP-3	2 – 4	0.47	5,800	5,800.47
SP-6	0 – 2	<0.035	1,300	1,300
SP-9	0 – 2	<0.032	4,500	4,500

No samples exceeded the RRAL for benzene and total BTEX. Chloride was below 250 milligrams per kilogram (mg/Kg) in all samples, except SP-9, 6 to 8 feet bgs which reported a chloride concentration of 570 mg/Kg.

On September 4, 2007, LAI personnel collected additional samples near SP-3 (Location 1) to assess the vertical extent of the TPH. The samples were collected each foot (i.e., 0 to 1', 1 to 2', 2 to 3', etc.) to approximately 11 feet bgs using a backhoe. These samples were submitted under chain of custody control to Test America, Inc. which analyzed the samples for TPH, including GRO and DRO, chloride and BTEX. The RRAL for TPH was exceeded in samples from 0 to 1 feet bgs (4,000 mg/Kg), 1 to 2 feet bgs (6,701 mg/Kg), 2 to 3 feet bgs (3,300 mg/Kg), 6 to 7 feet bgs (3,100 mg/Kg), 7 to 8 feet bgs (1,500 mg/Kg), 9 to 10 feet bgs (9,530 mg/Kg) and 10 to 11 feet bgs (9,440 mg/Kg). Benzene and total BTEX was below the RRAL and chloride was less than 250 mg/Kg. Table 3 presents a summary of the TPH and chloride results. Table 4 presents a summary of the BTEX results.

Remediation

On August 17, 2007, remediation commenced and soil was excavated to approximately 1 foot bgs over much of the Site. The excavation was extended to approximately 15 feet bgs near sample location SP-3. The soil was hauled to the JHHC centralized surface waste management facility (NM-02-021) located northwest of Jal, New Mexico.

On September 13, 2007, LAI personnel collected soil samples at ten (10) locations (SS-1 through SS-10) to assess the TPH concentration following soil removal. The TPH in samples SS-1 through SS-10 was less than 50 mg/Kg. Benzene and total BTEX was below the RRAL. Chloride was less than 250 mg/Kg in all samples except SS-5 which reported a concentration of 260 mg/Kg. Table 5 presents the TPH and chloride data. Table 6 presents the BTEX analysis.

On September 13, 2007 and October 1, 2007, LAI personnel collected samples at various depths from the bottom and sides of the excavation near SP-3. These samples were analyzed for TPH, including GRO and DRO, and chloride. The TPH exceeded the RRAL is samples from the north bottom at 45 feet bgs (1,528 mg/Kg) and 50 feet bgs (2,645 mg/Kg), and north side at 15 feet bgs (1,863 mg/Kg) and 40 feet bgs (2,085 mg/Kg). The sample from the north side at approximately 40 feet bgs was analyzed for BTEX and was below RRAL for benzene and total BTEX. Chloride was less than 250 mg/Kg. Table 7 presents a summary of the TPH and chloride analysis. Table 8 presents the BTEX analysis.

On October 10 and 11, 2007, LAI personnel supervised soil sampling from five (5) air-rotary drilled borings (BH-1 through BH-5) which were installed to assess the horizontal and vertical extent of the TPH. Scarborough Drilling, Inc. collected samples every ten (10) feet to approximately 50 feet bgs using a jam tube sampler. The samples were collected in the method previously described, chilled in an ice chest and submitted under chain of custody control to Environmental Lab of Texas, Inc. (ELOT) which analyzed the samples for TPH and chloride. TPH was reported below the RRAL in all samples except BH-4, 40 feet bgs (1,319.4 mg/Kg) which is located north of boring BH-2. Soil samples from boring BH-2 did not report TPH above the RRAL. It is therefore assumed that the TPH in samples from boring BH-4 is from a source unrelated to the Site. Chloride was less than 250 mg/Kg in all samples. Table 9 presents a summary of the TPH and chloride analysis. Appendix B presents the boring logs. Appendix C presents photographs.

On October 11, 2007, Scarborough Drilling, Inc. used water-rotary drilling to install a temporary monitoring well (TMW-1) near the southeast corner of the excavation. The well was advanced to approximately 110 feet bgs and constructed with 2-inch schedule 40 PVC casing. Twenty (20) feet of factory slotted screen was installed near the bottom of the well and soil samples were collected every ten (10) feet to approximately fifty (50) feet bgs using a jam tube sampler. The soil samples were analyzed by ELOT for TPH using method SW-846-8015 modified and chloride using method 300. TPH was not reported in any sample above 15 mg/Kg and chloride was below 250 mg/Kg. Table 9 presents a summary of the laboratory analysis. Figure 2 presents the well location. Appendix B presents the well completion record.

On October 14, 2007, LAI personnel developed the temporary well by pumping approximately 150 gallons of water using an electric submersible pump. The well was pumped until the water was not turbid. The water was contained in a portable tank, picked up by vacuum truck and disposed at an OCD permitted Class II disposal well. On October 15, 2007, LAI personnel collected water samples from the well using a dedicated disposable polyethylene bailer. Three (3) casing-volumes of groundwater was purged from the well before samples were carefully transferred to laboratory-preserved containers, which were chilled in an ice chest and delivered under chain of custody control to DHL Analytical, Inc., located in Round Rock, Texas. The laboratory analyzed the samples for BTEX, dissolved metals (arsenic, barium, cadmium, chromium, lead, magnesium, mercury, potassium, selenium, silver and sodium) and general inorganic parameters (chloride, fluoride, nitrate, sulfate, alkalinity, pH and total dissolved solids). The temporary well was plugged according to NMSE rules. Table 10 presents a summary of the laboratory analysis.

Referring to Table 10, no organic constituents (BTEX) were reported in the water sample above test method detection limits. No inorganic constituents, except fluoride, were detected in the water sample above the New Mexico Water Quality Control Commission (WCQQ) human health or domestic water quality standards. Fluoride was 3.21 milligrams per liter (mg/L) and exceeded the WQCC human health standard of 1.6 mg/L. The fluoride concentration is consistent with the regional groundwater quality for the Ogallala aquifer.

Conclusions

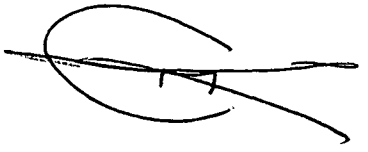
- A temporary monitoring well installed at the Site confirmed that groundwater is present in the Ogallala formation at approximately 91.50 feet bgs;
- TPH was below the RRAL of 1,000 mg/Kg in all confirmation samples except from the north side of the excavation where TPH 2,645 mg/Kg at approximately 50 feet bgs;
- The vertical and horizontal extent of the TPH was delineated and is limited to the north side of the excavation;
- Benzene and BTEX was below the RRAL of 10 mg/Kg and 50 mg/Kg, respectively, in confirmation samples from the excavation and delineation samples from soil borings;
- Chloride was below 250 mg/Kg in all confirmation samples except sample SS-5 collected from approximately 1 foot bgs on the west side of the Site where chloride was 260 mg/Kg; and
- Groundwater samples from the temporary monitoring well reported no organic or inorganic constituents, except fluoride, above the WQCC human health or domestic water quality thresholds. Fluoride was reported in the groundwater sample at 3.21 mg/L and exceeded the WQCC standard of 1.6 mg/L. The fluoride concentration is consistent with the groundwater quality of the Ogallala aquifer.

Recommendation

Based on these findings, JHHC requests permission from OCD to fill the excavation with clean soil. Appendix D presents the initial and final C-141 forms. Please contact Mr. Marvin Burrows with JHHC at (505) 394-2649 or myself at (432) 687-0901 if you have any questions. We may be reached by email at mburrows@valornet.com or mark@laenvironmental.com.

Sincerely,

Larson & Associates, Inc.



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

Encl.

cc: Mr. Marvin Burrows JHHC
Mr. Ron Westbrook - JHHC
Mr. Larry Johnson – NMOCD District 1

TABLES

Table 1

1RP-1454

Summary of Laboratory Analysis of Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	PID	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:						1000	
SP-1	0-2'	8/21/07	93	16	16,000	16,016	9.5
	2-4'	8/21/07	0.1	0.057	44	44.057	6.5
	4-6'	8/21/07	0	--	--	--	7.0
	6-8'	8/21/07	0.1	--	--	--	6.9
SP-2	0-2'	8/21/07	1.8	0.63	8,100	8,100.63	240
	2-4'	8/21/07	0.1	<0.04	25	25	130
	4-6'	8/21/07	0.1	--	--	--	21
	6-7'	8/21/07	0.1	--	--	--	5.6
SP-3	0-2'	8/21/07	2.1	0.18	2,500	2,500.18	61
	2-4'	8/21/07	3.2	0.47	5,800	5,800.47	22
SP-4	0-2'	8/21/07	0.1	0.033	12	12.033	29
	2-4'	8/21/07	0.1	<0.032	<4.2	<4.2032	55
SP-5	0-2'	8/21/07	0.1	<0.033	150	150	170
	2-4'	8/21/07	0.1	<0.036	<4.2	<4.2036	150
SP-6	0-2'	8/21/07	0.1	<0.035	1,300	1,300	7
	2-4'	8/21/07	0.1	<0.029	<4.2	<4.2029	8
	4-5.5'	8/21/07	0.1	--	--	--	6.7
SP-7	0-2'	8/21/07	0.1	<0.032	26	26	7.3
	2-4'	8/21/07	0.1	<0.027	<4.2	<4.2027	5.3

Table 1

1RP-1454

Summary of Laboratory Analysis of Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	PID	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:						**1000**	
SP-8	0-2'	8/21/07	0.1	<0.030	15	15	5.6
	2-4'	8/21/07	0.1	<0.030	7.3	7.3	<1.4
SP-9	0-2'	8/21/07	0.1	<0.032	4,500	4,500	6.7
	2-4'	8/21/07	0.1	<0.033	<4.2	<4.2033	9.7
	4-6'	8/21/07	0.1	--	--	--	8.9
	6-8'	8/21/07	0.1	--	--	--	570
SP-10	0-2'	8/21/07	0.1	<0.026	43	43	5.1
	2-4'	8/21/07	0.1	<0.026	<4.2	<4.2026	6.7

Notes: Analysis performed by TestAmerica, Corpus Christi, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. GRO: Gasoline - range organics
2. DRO: Diesel - range organics
3. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
4. <: Less than method detection limit
5. --: No data available

Table 2

1RP-1454

Summary of BTEX Analysis of Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
RRAL:			10				50
SP-1	0-2'	8/21/07	<0.085	<0.088	<0.084	2.5	2.5
SP-2	0-2'	8/21/07	0.0057	0.0026	<0.0019	<0.0058	0.0083
SP-3	0-2'	8/21/07	<0.0017	<0.0018	<0.0019	<0.0058	<0.0112
SP-4	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-5	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-6	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-7	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-8	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-9	0-2'	8/21/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SP-10	0-2'	8/21/07	<0.0017	<0.0018	<0.0019	<0.0058	<0.0112

Notes: Analysis performed by TestAmerica, Corpus Christi, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. <: Less than method detection limit
2. --: No data available

Table 3

1RP-1454

Summary of Laboratory Analysis of Preliminary Soil Samples for Location 1

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:					**1000**	
Location 1	0-1'	9/4/07	0.43	4,000	4,000	15
	1-2'	9/4/07	0.80	6,700	6,701	65
	2-3'	9/4/07	0.37	3,300	3,300	80
	3-4'	9/4/07	0.15	230	230	92
	4-5'	9/4/07	<0.033	300	300	8.1
	5-6'	9/4/07	<0.033	540	540	29
	6-7'	9/4/07	0.42	3,100	3,100	12
	7-8'	9/4/07	0.24	1,500	1,500	8.2
	8-9'	9/4/07	0.99	730	730	9.2
	9-10'	9/4/07	130	9,400	9,530	21
	10-11'	9/4/07	940	8,500	9,440	34

Notes: Analysis performed by TestAmerica, Corpus Christi, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. GRO: Gasoline - range organics
2. DRO: Diesel - range organics
3. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
4. <: Less than method detection limit
5. --: No data available

Table 4

1RP-1454

Summary of BTEX Analysis of Soil Samples for Location 1

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
RRAL:			**10**				**50**
Location 1	0-1'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	1-2'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	2-3'	9/4/07	<0.0017	<0.0018	0.0046	0.0070	0.0116
	3-4'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	4-5'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0057	<0.0010
	5-6'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	6-7'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	7-8'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
	8-9'	9/4/07	<0.0016	<0.0018	<0.0019	<0.0057	<0.0010
	9-10'	9/4/07	<0.043	<0.044	<0.042	0.89	0.89
	10-11'	9/4/07	<0.043	<0.044	3.2	31	34.2

Notes: Analysis performed by TestAmerica, Corpus Christi, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. <: Less than method detection limit
2. --: No data available

Table 5

1RP-1454

Summary of Laboratory Analysis of Confirmation Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:					**1000**	
SS-1	1'	9/13/07	<0.0580	5.02	5.02	7.3
SS-2	1'	9/13/07	<0.0603	30.7	30.7	86
SS-3	1'	9/13/07	<0.0567	13	13	120
SS-4	1'	9/13/07	<0.0605	12.8	12.8	150
SS-5	1'	9/13/07	<0.0571	5.3	5.3	260
SS-6	1'	9/13/07	<0.0548	6.82	6.82	6.6
SS-7	1'	9/13/07	<0.0607	4.67	4.67	6.4
SS-8	1'	9/13/07	<0.0621	6.44	6.44	6.7
SS-9	2'	9/13/07	<0.0636	19.6	19.6	12
SS-10	1'	9/13/07	<0.0606	7.36	7.36	14

Notes: Chloride analysis performed by TestAmerica, Corpus Christi, Texas

GRO & DRO analyses performed by DHL Analytical, Inc., Round Rock, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. GRO: Gasoline - range organics
2. DRO: Diesel - range organics
3. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
4. <: Less than method detection limit
5. --: No data available

Table 6

1RP-1454

Summary of BTEX Analysis of Confirmation Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
RRAL:			**10**				**50**
SS-1	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-2	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-3	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-4	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-5	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-6	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-7	1'	9/14/07	<0.0017	<0.0018	<0.0019	<0.0058	<0.0112
SS-8	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111
SS-9	2'	9/14/07	0.0017	0.0020	<0.0019	0.0067	0.0104
SS-10	1'	9/14/07	<0.0016	<0.0018	<0.0019	<0.0058	<0.0111

Notes: Analysis performed by TestAmerica, Corpus Christi, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. <: Less than method detection limit
2. --: No data available

Table 7

1RP-1454

Summary of Laboratory Analysis of Preliminary Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth (Feet BGS)	Date	PID	GRO C6 - C12	DRO C12 - C28	Total TPH C6 - C28	Chloride
RRAL:						**1000**	
North/Bottom	50	10/1/07	--	635	2,010	2,645	67
North/Bottom	45	10/1/07	--	328	1,200	1,528	55.2
North/Bottom	40	9/13/07	229.8	505	1,580	2,085	45
North/Bottom	35	9/13/07	110	104	496	600	70.4
Northwest/Side	35	9/13/07	5.6	<11	19.8	19.8	70.3
Northeast/Side	35	9/13/07	8.2	<11.1	<11.1	<11.1	82.6
Southwest/Side	32	9/13/07	1.3	<11.7	24.7	24.7	49.8
Southeast/Side	32	9/13/07	12.4	<11.8	<11.8	<11.8	188
South/Side	15	9/13/07	1.9	37.3	146	183.3	35.4
East/Side	15	9/13/07	3.6	<10.8	120	120	91.9
North/Side	15	9/13/07	5.9	43	1,820	1,863	44.7
West/Side	15	9/13/07	22.8	36	161	197	69.7

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. GRO: Gasoline - range organics
2. DRO: Diesel - range organics
3. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
4. <: Less than method detection limit
5. --: No data available

Table 8

1RP-1454

Summary of BTEX Analysis of Preliminary Soil Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX
RRAL:			**10**				**50**
North	40'	9/28/07	<0.0011	0.0078	0.0655	0.4998	0.5731

Notes: Analysis performed by Environmental Lab of Texas, Odessa, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. <: Less than method detection limit
2. --: No data available

Table 9

1RP-1454

Summary of Laboratory Analysis of Boring Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:					1000	
TMW1	0'	10/10/07	<10.7	13.2	13.2	114
	10'	10/10/07	<11.1	<11.1	<11.1	176
	20'	10/10/07	<11.8	13.3	13.3	150
	30'	10/10/07	<10.6	<10.6	<10.6	90.4
	40'	10/10/07	<10.4	<10.4	<10.4	88.1
	50'	10/10/07	<10.2	12.4	12.4	87.2
BH-1	0'	10/10/07	<10.4	11.6	11.6	88.2
	10'	10/10/07	<10.5	36	36	245
	20'	10/10/07	<10.5	25	25	189
	30'	10/10/07	<10.4	10.4	10.4	155
	40'	10/10/07	<10.2	10.3	10.3	141
	50'	10/10/07	<10.2	<10.2	<10.2	64.8
BH-2	0'	10/10/07	10.40	404	414.40	54.8
	10'	10/10/07	<10.5	13.5	13.5	55.6
	20'	10/10/07	<10.6	<10.6	<10.6	226
	30'	10/10/07	<10.5	<10.5	<10.5	223
	40'	10/10/07	<10.2	<10.2	<10.2	120
	50'	10/10/07	<10.2	<10.2	<10.2	65
	60'	10/10/07	<10.1	12.2	12.2	53.7
	70'	10/10/07	<10.1	10.1	10.1	42.9

Table 9

1RP-1454

Summary of Laboratory Analysis of Boring Samples

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Sample	Depth	Date	GRO C6 - C10	DRO C10 - C28	Total TPH C6 - C28	Chloride
RRAL:					**1000**	
BH-3	0'	10/11/07	<10.4	12.5	12.5	128
	10'	10/11/07	<10.7	11.1	11.1	42.5
	20'	10/11/07	<11.1	<11.1	<11.1	191
	30'	10/11/07	<10.4	11.7	11.7	128
	40'	10/11/07	<10.1	<10.1	<10.1	85.1
	50'	10/11/07	<10.2	<10.2	<10.2	42.5
BH-4	0'	10/11/07	<10.3	54	54	43
	10'	10/11/07	<10.7	16.2	16.2	85.1
	20'	10/11/07	<10.3	<10.3	<10.3	63.8
	30'	10/11/07	<10.5	<10.5	<10.5	170
	40'	10/11/07	59.4	1,260	1,319.4	95.7
BH-5	0'	10/11/07	<10.5	<10.5	<10.5	53.2
	10'	10/11/07	<11.0	<11.0	<11.0	128
	20'	10/11/07	<10.5	<10.5	<10.5	42.5
	30'	10/11/07	<10.3	74.1	74.1	42.5
	40'	10/11/07	<10.2	<10.2	<10.2	42.5

Notes: Analysis performed by Environmental Laboratories of Texas, Odessa, Texas

Results are reported in milligrams per kilogram (mg/Kg)

1. GRO: Gasoline - range organics
2. DRO: Diesel - range organics
3. TPH: Total Petroleum Hydrocarbons (Sum of GRO + DRO)
4. <: Less than method detection limit
5. --: No data available

Table 10

1RP-1454

Summary of Laboratory Analysis of Monitor Well Sample

John H. Hendrix Corporation, Frisco State A Tank Battery

Lea County, New Mexico

Parameter	Reporting Units	EPA/NMED Threshold	TMW-1 10/15/07
Characteristics			
Chloride	mg/L	250	62
Fluoride	mg/L	1.6	3.21
Nitrate-N	mg/L	10	1.59
Sulfate	mg/L	600	92
Alkalinity, Bicarbonate	mg/L	--	218
Alkalinity, Carbonate	mg/L	--	<10
Alkalinity, Hydroxide	mg/L	--	<10
Alkalinity, Total	mg/L	--	218
pH	pH units	6 - 9	7.38
Total Dissolved Solids	mg/L	1,000	516
Volatile Organics			
Benzene	mg/L	0.01	<0.0008
Ethylbenzene	mg/L	0.75	<0.002
Toluene	mg/L	0.75	<0.002
Total Xylenes	mg/L	0.62	<0.003
Total BTEX	mg/L	--	<0.0078
Metals			
Arsenic	mg/L	0.1	0.0156
Barium	mg/L	1.0	0.0461
Cadmium	mg/L	0.01	<0.0003
Calcium	mg/L	--	45.2
Chromium	mg/L	0.05	<0.002
Lead	mg/L	0.05	<0.0003
Magnesium	mg/L	--	19.7
Mercury	mg/L	0.002	<0.00008
Potassium	mg/L	--	4.55
Selenium	mg/L	0.05	0.00608
Silver	mg/L	0.05	<0.001
Sodium	mg/L	--	83.4

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, Texas

1. mg/L: Milligrams per liter
2. <: Below method detection limit

FIGURES

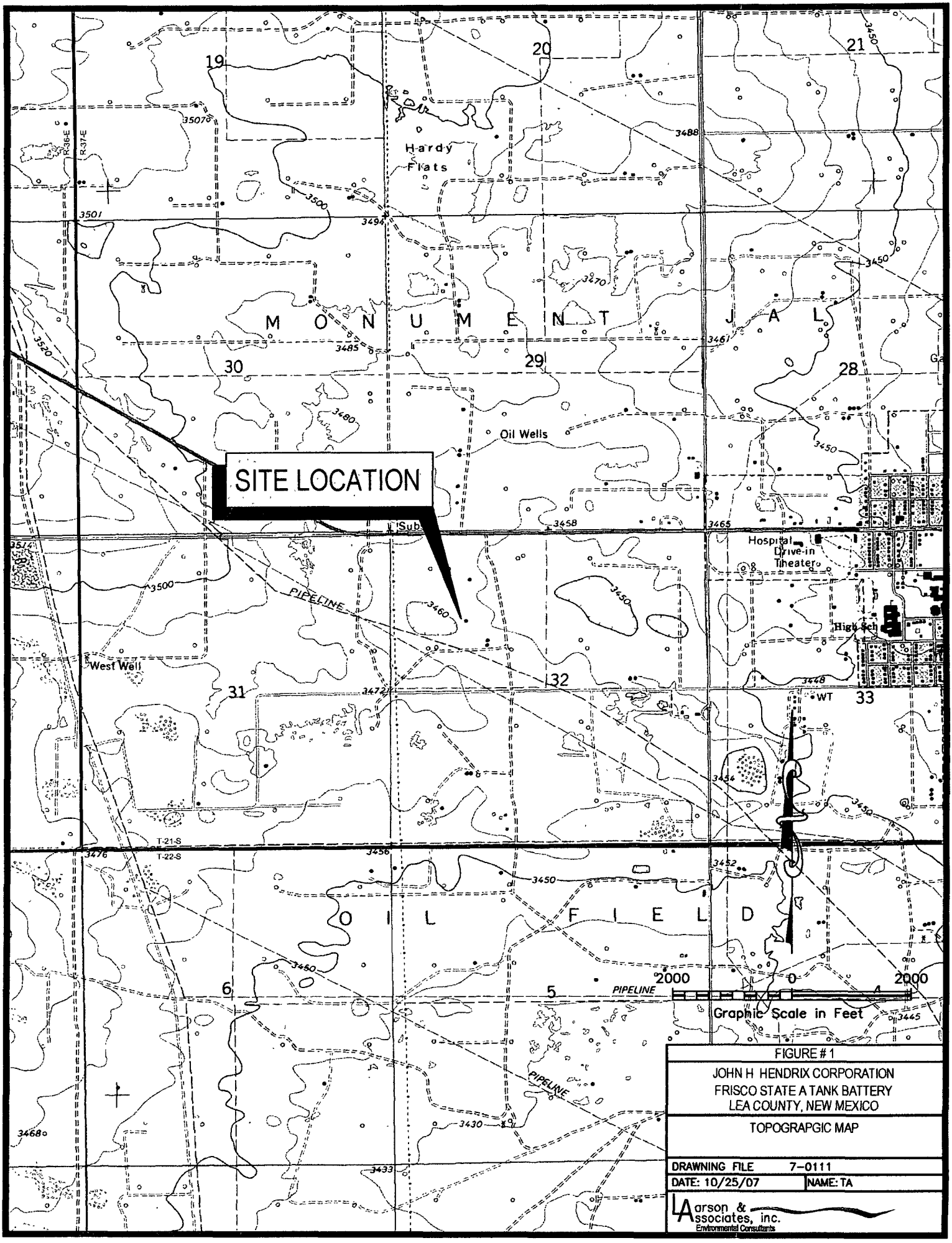


FIGURE # 1

JOHN H HENDRIX CORPORATION
FRISCO STATE A TANK BATTERY
LEA COUNTY, NEW MEXICO

TOPOGRAPGIC MAP

DRAWNING FILE 7-0111

DATE: 10/25/07 NAME: TA

Larson & Associates, inc.
Environmental Consultants

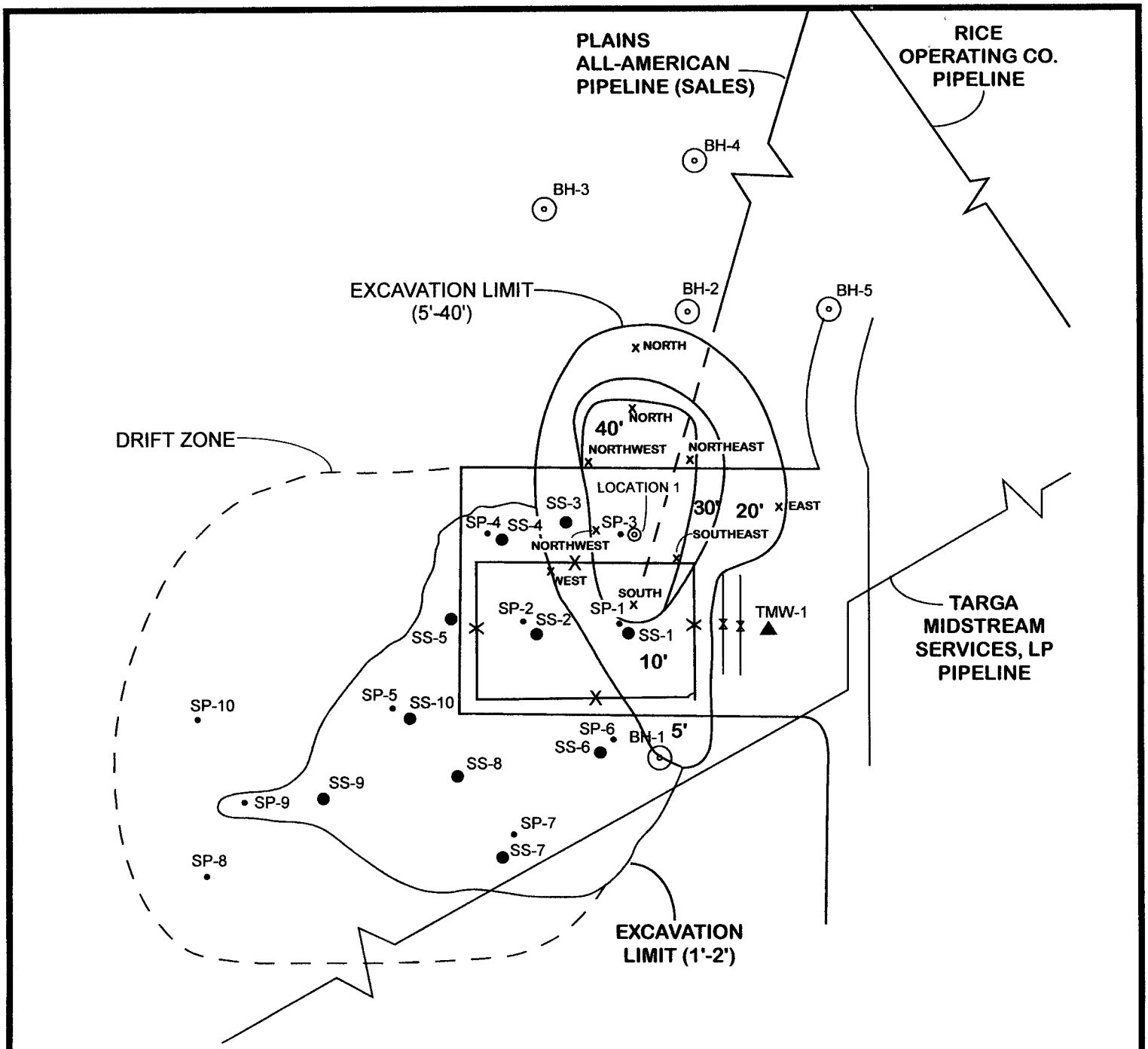


FIGURE #2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION

FRISCO STATE "A" TANK BATTERY
UNIT F, SECTION 32, T21S, R37E

DATE:

NAME:

FILE:

Larson & Associates, Inc.
Environmental Consultants

APPENDIX A

Laboratory Reports

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 560-6163-1

Job Description: General Analysis

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Attention: Ms. Michelle Green

Julie Darrow
Project Manager I
jdarrow@stl-inc.com
08/28/2007

Diesel Range Organics

Samples 560-6163-10, 15, and 22 were analyzed for Diesel Range Organics (DRO) using EPA Method 8015B in batch 560-14567. The percent recovery results for the surrogates associated with samples 10, 15, and 22 were below the acceptance criteria for o-terphenyl due to matrix interference and sample dilution. Therefore, re-extraction and re-analysis was not performed. The method blank and LCS were within acceptable limits and the data are therefore reported.

Samples 560-6163-1-2, 5-6, 9-16, 18-23, 26, 27 were analyzed for Diesel Range Organics (DRO) using EPA Method 8015B in batch 560-14567. No matrix spike or matrix spike duplicate was analyzed with this batch due to a limited amount of sample available for analysis; however, a LCS and LCSD were analyzed. The data are therefore reported

Aromatic Volatile Organics (BTEX) Analysis

Samples 560-6163-5 and 9 were analyzed for BTEX analysis using EPA Method 8021B in batch 560-14508. The percent recovery result for the matrix spike associated with this batch and sample 9 was below the acceptance criteria for ethylebenzene. In addition, the RPD for the spiked pair was outside the control limits for various analytes. The method blank and LCS were within acceptable limits and the data are therefore reported. Furthermore, the percent recovery results for the surrogates associated with samples 5, 9, 9 MS, and 9 MSD were outside the acceptance limits for 4-bromofluorobenzene and /or trifluorotoluene. The method blank and LCS were within acceptable limits and the out of control data are due to matrix interference. Therefore the samples were not re-extracted or re-analyzed. The data are therefore reported.

Sample 560-6163-1 was analyzed for BTEX analysis using EPA Method 8021B in batch 560-14507. The percent recovery results for the surrogates associated with sample 1 were below the acceptance criteria for 4-bromofluorobenzene and trifluorotoluene. The method blank and LCS were within acceptable limits and the out of control data are due to matrix interference. Therefore the samples were not re-extracted or re-analyzed. The data are therefore reported.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6163-1	**SP1, 0-2**					
Gasoline Range Organics (GRO)-C6-C10		16	B	0.48	mg/Kg	8015M
Xylenes, Total		2.5	J	5.2	mg/Kg	8021B
Diesel Range Organics [C10-C28]		16000		2500	mg/Kg	8015B
Soluble						
Chloride-S		9.5		5.0	mg/Kg	300.0
560-6163-2	**SP1, 2-4**					
Gasoline Range Organics (GRO)-C6-C10		0.057	J B	0.10	mg/Kg	8015M
Diesel Range Organics [C10-C28]		44	J	50	mg/Kg	8015B
Soluble						
Chloride-S		6.5		5.0	mg/Kg	300.0
560-6163-3	**SP1, 4-6**					
Soluble						
Chloride-S		7.0		5.0	mg/Kg	300.0
560-6163-4	**SP1, 6-8**					
Soluble						
Chloride-S		6.9		5.0	mg/Kg	300.0
560-6163-5	**SP2, 0-2**					
Gasoline Range Organics (GRO)-C6-C10		0.63	B	0.099	mg/Kg	8015M
Benzene		0.0057		0.0043	mg/Kg	8021B
Toluene		0.0026	J	0.0043	mg/Kg	8021B
Diesel Range Organics [C10-C28]		8100		2500	mg/Kg	8015B
Soluble						
Chloride-S		240		25	mg/Kg	300.0
560-6163-6	**SP2, 2-4**					
Diesel Range Organics [C10-C28]		25	J	50	mg/Kg	8015B
Soluble						
Chloride-S		130		5.0	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6163-7	**SP2, 4-6**					
Soluble						
Chloride-S		21		5.0	mg/Kg	300.0
560-6163-8	**SP2, 6-7**					
Soluble						
Chloride-S		5.6		5.0	mg/Kg	300.0
560-6163-9	**SP3, 0-2**					
Gasoline Range Organics (GRO)-C6-C10		0.18	B	0.10	mg/Kg	8015M
Diesel Range Organics [C10-C28]		2500	J	2500	mg/Kg	8015B
Soluble						
Chloride-S		61		5.0	mg/Kg	300.0
560-6163-10	**SP3, 2-4**					
Gasoline Range Organics (GRO)-C6-C10		0.47	B	0.11	mg/Kg	8015M
Diesel Range Organics [C10-C28]		5800		2500	mg/Kg	8015B
Soluble						
Chloride-S		22		5.0	mg/Kg	300.0
560-6163-11	**SP4, 0-2**					
Diesel Range Organics [C10-C28]		12	J	50	mg/Kg	8015B
Soluble						
Chloride-S		29		5.0	mg/Kg	300.0
560-6163-12	**SP4, 2-4**					
Soluble						
Chloride-S		55		5.0	mg/Kg	300.0
560-6163-13	**SP5, 0-2**					
Diesel Range Organics [C10-C28]		150	J	500	mg/Kg	8015B
Soluble						
Chloride-S		170		25	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6163-14	**SP5, 2-4**					
Soluble						
Chloride-S		150		5.0	mg/Kg	300.0
560-6163-15	**SP6, 0-2**					
Diesel Range Organics [C10-C28]		1300	J	2500	mg/Kg	8015B
Soluble						
Chloride-S		6.5		5.0	mg/Kg	300.0
560-6163-16	**SP6, 2-4**					
Soluble						
Chloride-S		8.0		5.0	mg/Kg	300.0
560-6163-17	**SP6, 4-5.5**					
Soluble						
Chloride-S		6.7		5.0	mg/Kg	300.0
560-6163-18	**SP7, 0-2**					
Diesel Range Organics [C10-C28]		26	J	50	mg/Kg	8015B
Soluble						
Chloride-S		7.3		5.0	mg/Kg	300.0
560-6163-19	**SP7, 2-4**					
Soluble						
Chloride-S		5.3		5.0	mg/Kg	300.0
560-6163-20	**SP8, 0-2**					
Diesel Range Organics [C10-C28]		15	J	50	mg/Kg	8015B
Soluble						
Chloride-S		5.6		5.0	mg/Kg	300.0
560-6163-21	**SP8, 2-4**					
Diesel Range Organics [C10-C28]		7.3	J	50	mg/Kg	8015B

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6163-22	**SP9 0-2**					
Diesel Range Organics [C10-C28]		4500		2500	mg/Kg	8015B
Soluble						
Chloride-S		6.7		5.0	mg/Kg	300.0
560-6163-23	**SP9, 2-4**					
Soluble						
Chloride-S		9.7		5.0	mg/Kg	300.0
560-6163-24	**SP9, 4-6**					
Soluble						
Chloride-S		8.9		5.0	mg/Kg	300.0
560-6163-25	**SP9, 6-8**					
Soluble						
Chloride-S		570		25	mg/Kg	300.0
560-6163-26	**SP10, 0-2**					
Diesel Range Organics [C10-C28]		43	J	50	mg/Kg	8015B
Soluble						
Chloride-S		5.1		5.0	mg/Kg	300.0
560-6163-27	**SP10, 2-4**					
Soluble						
Chloride-S		6.7		5.0	mg/Kg	300.0

METHOD SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
GRO by 8015M	TAL PEN	SW846 8015M	
Closed System Purge & Trap	TAL PEN		SW846 5035A
Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD	TAL CC	SW846 8021B	
Purge and Trap for Methanol Extractions	TAL CC		SW846 5030B
Purge and Trap for Solids	TAL CC		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL CC	SW846 8015B	
Ultrasonic Extraction	TAL CC		SW846 3550B
Anions by Ion Chromatography	TAL CC	MCAWW 300.0	
Deionized Water Leaching Procedure (Routine)	TAL CC		ASTM NONE

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola

Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Method	Analyst	Analyst ID
SW846 8015M	Khramova, Galina	GK
SW846 8021B	Gonzales, Roman J	RJG
SW846 8021B	Haas, Richard	RH
SW846 8015B	Cady, Iryna M	IMC
MCAWW 300.0	Zwierzykowski, Hanna M	HMZ

SAMPLE SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-6163-1	SP1, 0-2	Soil	08/21/2007 0925	08/22/2007 1006
560-6163-2	SP1, 2-4	Soil	08/21/2007 0925	08/22/2007 1006
560-6163-3	SP1, 4-6	Soil	08/21/2007 0935	08/22/2007 1006
560-6163-4	SP1, 6-8	Soil	08/21/2007 0935	08/22/2007 1006
560-6163-5	SP2, 0-2	Soil	08/21/2007 0950	08/22/2007 1006
560-6163-6	SP2, 2-4	Soil	08/21/2007 0950	08/22/2007 1006
560-6163-7	SP2, 4-6	Soil	08/21/2007 1000	08/22/2007 1006
560-6163-8	SP2, 6-7	Soil	08/21/2007 1000	08/22/2007 1006
560-6163-9	SP3, 0-2	Soil	08/21/2007 1025	08/22/2007 1006
560-6163-10	SP3, 2-4	Soil	08/21/2007 1025	08/22/2007 1006
560-6163-11	SP4, 0-2	Soil	08/21/2007 1040	08/22/2007 1006
560-6163-12	SP4, 2-4	Soil	08/21/2007 1040	08/22/2007 1006
560-6163-13	SP5, 0-2	Soil	08/21/2007 1100	08/22/2007 1006
560-6163-14	SP5, 2-4	Soil	08/21/2007 1100	08/22/2007 1006
560-6163-15	SP6, 0-2	Soil	08/21/2007 1230	08/22/2007 1006
560-6163-16	SP6, 2-4	Soil	08/21/2007 1230	08/22/2007 1006
560-6163-17	SP6, 4-5.5	Soil	08/21/2007 1240	08/22/2007 1006
560-6163-18	SP7, 0-2	Soil	08/21/2007 1255	08/22/2007 1006
560-6163-19	SP7, 2-4	Soil	08/21/2007 1255	08/22/2007 1006
560-6163-20	SP8, 0-2	Soil	08/21/2007 1308	08/22/2007 1006
560-6163-21	SP8, 2-4	Soil	08/21/2007 1308	08/22/2007 1006
560-6163-22	SP9 0-2	Soil	08/21/2007 1320	08/22/2007 1006
560-6163-23	SP9, 2-4	Soil	08/21/2007 1320	08/22/2007 1006
560-6163-24	SP9, 4-6	Soil	08/21/2007 1325	08/22/2007 1006
560-6163-25	SP9, 6-8	Soil	08/21/2007 1325	08/22/2007 1006
560-6163-26	SP10, 0-2	Soil	08/21/2007 1337	08/22/2007 1006
560-6163-27	SP10, 2-4	Soil	08/21/2007 1337	08/22/2007 1006

SAMPLE RESULTS

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6163-1

Client Sample ID: SP1, 0-2
Lab Sample ID: 560-6163-1

Date Sampled: 08/21/2007 0925
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0405	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	16	B	mg/Kg	0.16	0.48	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	92		%		60 - 134	
Method: 8021B			Date Analyzed:		08/22/2007 1344	
Prep Method: 5030B			Date Prepared:		08/22/2007 0730	
Benzene	0.085	U	mg/Kg	0.085	0.87	1.0
Toluene	0.088	U	mg/Kg	0.088	1.7	1.0
Ethylbenzene	0.084	U	mg/Kg	0.084	0.87	1.0
Xylenes, Total	2.5	J	mg/Kg	0.22	5.2	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	75		%		47 - 120	
Trifluorotoluene (Surr)	0	X	%		35 - 132	
Method: 8015B			Date Analyzed:		08/24/2007 1723	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	16000		mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	131		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	9.5		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6163-1

Client Sample ID: SP1, 2-4
Lab Sample ID: 560-6163-2

Date Sampled: 08/21/2007 0925
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 1154	
Prep Method: 5035A			Date Prepared:		08/24/2007 0934	
Gasoline Range Organics (GRO)-C6-C10	0.057	J B	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	100		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1732	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	44	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	110		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	6.5		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6163-1

Client Sample ID: SP1, 4-6
Lab Sample ID: 560-6163-3

Date Sampled: 08/21/2007 0935
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	7.0	mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6163-1

Client Sample ID: SP1, 6-8
Lab Sample ID: 560-6163-4

Date Sampled: 08/21/2007 0935
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	6.9	mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6163-1

Client Sample ID: SP2, 0-2
Lab Sample ID: 560-6163-5

Date Sampled: 08/21/2007 0950
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/23/2007 0913		
Prep Method: 5030B			Date Prepared:	08/23/2007 0913		
Benzene	0.0057		mg/Kg	0.0016	0.0043	1.0
Toluene	0.0026	J	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	15	X	%		51 - 127	
Trifluorotoluene (Surr)	38	X	%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP2, 0-2
Lab Sample ID: 560-6163-5

Date Sampled: 08/21/2007 0950
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 1220	
Prep Method: 5035A			Date Prepared:		08/24/2007 0934	
Gasoline Range Organics (GRO)-C6-C10	0.63	B	mg/Kg	0.033	0.099	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	105		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1740	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	8100		mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	115		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	240		mg/Kg	7.2	25	5.0

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Job Number: 560-6163-1

Client Sample ID: SP2, 2-4
Lab Sample ID: 560-6163-6

Date Sampled: 08/21/2007 0950
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 1834	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.040	U	mg/Kg	0.040	0.12	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	103		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1749	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	25	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	110		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	130		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP2, 4-6
Lab Sample ID: 560-6163-7

Date Sampled: 08/21/2007 1000
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	21	mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP2, 6-7
Lab Sample ID: 560-6163-8

Date Sampled: 08/21/2007 1000
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	5.6	mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP3, 0-2
Lab Sample ID: 560-6163-9

Date Sampled: 08/21/2007 1025
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/23/2007 0940		
Prep Method: 5030B			Date Prepared:	08/23/2007 0940		
Benzene	0.0017	U	mg/Kg	0.0017	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	28	X	%		51 - 127	
Trifluorotoluene (Surr)	53		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP3, 0-2
Lab Sample ID: 560-6163-9

Date Sampled: 08/21/2007 1025
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 1247	
Prep Method: 5035A			Date Prepared:		08/24/2007 0934	
Gasoline Range Organics (GRO)-C6-C10	0.18	B	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	98		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1757	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	2500	J	mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	127		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	61		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP3, 2-4
Lab Sample ID: 560-6163-10

Date Sampled: 08/21/2007 1025
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 1929	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.47	B	mg/Kg	0.037	0.11	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	105		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1806	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	5800		mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	176	X	%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	22		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP4, 0-2
Lab Sample ID: 560-6163-11

Date Sampled: 08/21/2007 1040
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 1741		
Prep Method: 5030B			Date Prepared:	08/22/2007 1741		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	71		%		51 - 127	
Trifluorotoluene (Surr)	82		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP4, 0-2
Lab Sample ID: 560-6163-11

Date Sampled: 08/21/2007 1040
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 1956	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.033	U	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	107		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1814	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	12	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	102		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	29		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP4, 2-4
Lab Sample ID: 560-6163-12

Date Sampled: 08/21/2007 1040
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2023	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.032	U	mg/Kg	0.032	0.097	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	101		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1823	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	104		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	55		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP5, 0-2
Lab Sample ID: 560-6163-13

Date Sampled: 08/21/2007 1100
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 1809		
Prep Method: 5030B			Date Prepared:	08/22/2007 1809		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	71		%		51 - 127	
Trifluorotoluene (Surr)	83		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP5, 0-2
Lab Sample ID: 560-6163-13

Date Sampled: 08/21/2007 1100
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2050	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.033	U	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	105		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1832	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	150	J	mg/Kg	42	500	10
Surrogate					Acceptance Limits	
o-Terphenyl	117		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	170		mg/Kg	7.2	25	5.0

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Job Number: 560-6163-1

Client Sample ID: SP5, 2-4
Lab Sample ID: 560-6163-14

Date Sampled: 08/21/2007 1100
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2212	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.036	U	mg/Kg	0.036	0.11	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	102		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1840	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	104		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	150		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP6, 0-2
Lab Sample ID: 560-6163-15

Date Sampled: 08/21/2007 1230
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 1838		
Prep Method: 5030B			Date Prepared:	08/22/2007 1838		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	62		%		51 - 127	
Trifluorotoluene (Surr)	82		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP6, 0-2
Lab Sample ID: 560-6163-15

Date Sampled: 08/21/2007 1230
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2239	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.035	U	mg/Kg	0.035	0.11	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	105		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1906	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	1300	J	mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	188	X	%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	6.5		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP6, 2-4
Lab Sample ID: 560-6163-16

Date Sampled: 08/21/2007 1230
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2306	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.029	U	mg/Kg	0.029	0.089	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	100		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1914	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	104		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	8.0		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP6, 4-5.5
Lab Sample ID: 560-6163-17

Date Sampled: 08/21/2007 1240
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	6.7	mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP7, 0-2
Lab Sample ID: 560-6163-18

Date Sampled: 08/21/2007 1255
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 1905		
Prep Method: 5030B			Date Prepared:	08/22/2007 1905		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	77		%		51 - 127	
Trifluorotoluene (Surr)	85		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP7, 0-2
Lab Sample ID: 560-6163-18

Date Sampled: 08/21/2007 1255
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/23/2007 2333	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.032	U	mg/Kg	0.032	0.098	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	105		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1923	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	26	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	101		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	7.3		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP7, 2-4
Lab Sample ID: 560-6163-19

Date Sampled: 08/21/2007 1255
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0000	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.027	U	mg/Kg	0.027	0.081	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	99		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1932	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	101		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	5.3		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP8, 0-2
Lab Sample ID: 560-6163-20

Date Sampled: 08/21/2007 1308
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 1933		
Prep Method: 5030B			Date Prepared:	08/22/2007 1933		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	80		%		51 - 127	
Trifluorotoluene (Surr)	86		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP8, 0-2
Lab Sample ID: 560-6163-20

Date Sampled: 08/21/2007 1308
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0027	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.030	U	mg/Kg	0.030	0.091	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	103		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1940	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	15	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	107		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	5.6		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP8, 2-4
Lab Sample ID: 560-6163-21

Date Sampled: 08/21/2007 1308
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0055	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.030	U	mg/Kg	0.030	0.090	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	106		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1949	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	7.3	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	103		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	1.4	U	mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP9 0-2
Lab Sample ID: 560-6163-22

Date Sampled: 08/21/2007 1320
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 2001		
Prep Method: 5030B			Date Prepared:	08/22/2007 2001		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	75		%		51 - 127	
Trifluorotoluene (Surr)	85		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP9 0-2
Lab Sample ID: 560-6163-22

Date Sampled: 08/21/2007 1320
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 1314	
Prep Method: 5035A			Date Prepared:		08/24/2007 0934	
Gasoline Range Organics (GRO)-C6-C10	0.032	U	mg/Kg	0.032	0.097	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	106		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 1957	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4500		mg/Kg	210	2500	50
Surrogate					Acceptance Limits	
o-Terphenyl	147	X	%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	6.7		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP9, 2-4
Lab Sample ID: 560-6163-23

Date Sampled: 08/21/2007 1320
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0149	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.033	U	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	104		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 2006	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	107		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	9.7		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP9, 4-6
Lab Sample ID: 560-6163-24

Date Sampled: 08/21/2007 1325
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	8.9	mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP9, 6-8
Lab Sample ID: 560-6163-25

Date Sampled: 08/21/2007 1325
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: Soluble-300.0		Date Analyzed:		08/22/2007 1411	
Chloride	570	mg/Kg	7.2	25	5.0

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Job Number: 560-6163-1

Client Sample ID: SP10, 0-2
Lab Sample ID: 560-6163-26

Date Sampled: 08/21/2007 1337
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	08/22/2007 2030		
Prep Method: 5030B			Date Prepared:	08/22/2007 2030		
Benzene	0.0017	U	mg/Kg	0.0017	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	77		%		51 - 127	
Trifluorotoluene (Surr)	90		%		50 - 129	

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Job Number: 560-6163-1

Client Sample ID: SP10, 0-2
Lab Sample ID: 560-6163-26

Date Sampled: 08/21/2007 1337
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0311	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.026	U	mg/Kg	0.026	0.079	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	103		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 2014	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	43	J	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	116		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	5.1		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6163-1

Client Sample ID: SP10, 2-4
Lab Sample ID: 560-6163-27

Date Sampled: 08/21/2007 1337
Date Received: 08/22/2007 1006
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		08/24/2007 0338	
Prep Method: 5035A			Date Prepared:		08/23/2007 0955	
Gasoline Range Organics (GRO)-C6-C10	0.026	U	mg/Kg	0.026	0.078	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	102		%		60 - 134	
Method: 8015B			Date Analyzed:		08/24/2007 2023	
Prep Method: 3550B			Date Prepared:		08/22/2007 1200	
Diesel Range Organics [C10-C28]	4.2	U	mg/Kg	4.2	50	1.0
Surrogate					Acceptance Limits	
o-Terphenyl	102		%		29 - 140	
Method: Soluble-300.0			Date Analyzed:		08/22/2007 1411	
Chloride	6.7		mg/Kg	1.4	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Lab Section	Qualifier	Description
GC VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	F	MS or MSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits
	X	Surrogate exceeds the control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 560-14430					
LCS 560-14430/1-A	Lab Control Spike	T	Solid	5030B	
MB 560-14430/2-A	Method Blank	T	Solid	5030B	
560-6163-1	SP1, 0-2	T	Solid	5030B	
Analysis Batch:560-14484					
LCS 560-14484/1	Lab Control Spike	T	Solid	8021B	
MB 560-14484/2	Method Blank	T	Solid	8021B	
560-6163-11	SP4, 0-2	T	Solid	8021B	
560-6163-13	SP5, 0-2	T	Solid	8021B	
560-6163-15	SP6, 0-2	T	Solid	8021B	
560-6163-18	SP7, 0-2	T	Solid	8021B	
560-6163-20	SP8, 0-2	T	Solid	8021B	
560-6163-22	SP9 0-2	T	Solid	8021B	
560-6163-26	SP10, 0-2	T	Solid	8021B	
Analysis Batch:560-14507					
LCS 560-14430/1-A	Lab Control Spike	T	Solid	8021B	560-14430
MB 560-14430/2-A	Method Blank	T	Solid	8021B	560-14430
560-6163-1	SP1, 0-2	T	Solid	8021B	560-14430
Analysis Batch:560-14508					
LCS 560-14508/1	Lab Control Spike	T	Solid	8021B	
MB 560-14508/2	Method Blank	T	Solid	8021B	
560-6163-5	SP2, 0-2	T	Solid	8021B	
560-6163-A-9 MSDMS	Matrix Spike	T	Solid	8021B	
560-6163-9	SP3, 0-2	T	Solid	8021B	
560-6163-9MSD	Matrix Spike Duplicate	T	Solid	8021B	

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:400-54187					
LCS 400-54203/1-A	Lab Control Spike	T	Solid	8015M	400-54203
MB 400-54203/2-A	Method Blank	T	Solid	8015M	400-54203
560-6163-1	SP1, 0-2	T	Solid	8015M	400-54203
560-6163-6	SP2, 2-4	T	Solid	8015M	400-54203
560-6163-10	SP3, 2-4	T	Solid	8015M	400-54203
560-6163-11	SP4, 0-2	T	Solid	8015M	400-54203
560-6163-12	SP4, 2-4	T	Solid	8015M	400-54203
560-6163-13	SP5, 0-2	T	Solid	8015M	400-54203
560-6163-14	SP5, 2-4	T	Solid	8015M	400-54203
560-6163-15	SP6, 0-2	T	Solid	8015M	400-54203
560-6163-16	SP6, 2-4	T	Solid	8015M	400-54203
560-6163-18	SP7, 0-2	T	Solid	8015M	400-54203
560-6163-19	SP7, 2-4	T	Solid	8015M	400-54203
560-6163-20	SP8, 0-2	T	Solid	8015M	400-54203
560-6163-21	SP8, 2-4	T	Solid	8015M	400-54203
560-6163-23	SP9, 2-4	T	Solid	8015M	400-54203
560-6163-26	SP10, 0-2	T	Solid	8015M	400-54203
560-6163-27	SP10, 2-4	T	Solid	8015M	400-54203
Analysis Batch:400-54188					
LCS 400-54204/1-A	Lab Control Spike	T	Solid	8015M	400-54204
MB 400-54204/2-A	Method Blank	T	Solid	8015M	400-54204
560-6163-2	SP1, 2-4	T	Solid	8015M	400-54204
560-6163-5	SP2, 0-2	T	Solid	8015M	400-54204
560-6163-9	SP3, 0-2	T	Solid	8015M	400-54204
560-6163-22	SP9 0-2	T	Solid	8015M	400-54204

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 400-54203					
LCS 400-54203/1-A	Lab Control Spike	T	Solid	5035A	
MB 400-54203/2-A	Method Blank	T	Solid	5035A	
560-6163-1	SP1, 0-2	T	Solid	5035A	
560-6163-6	SP2, 2-4	T	Solid	5035A	
560-6163-10	SP3, 2-4	T	Solid	5035A	
560-6163-11	SP4, 0-2	T	Solid	5035A	
560-6163-12	SP4, 2-4	T	Solid	5035A	
560-6163-13	SP5, 0-2	T	Solid	5035A	
560-6163-14	SP5, 2-4	T	Solid	5035A	
560-6163-15	SP6, 0-2	T	Solid	5035A	
560-6163-16	SP6, 2-4	T	Solid	5035A	
560-6163-18	SP7, 0-2	T	Solid	5035A	
560-6163-19	SP7, 2-4	T	Solid	5035A	
560-6163-20	SP8, 0-2	T	Solid	5035A	
560-6163-21	SP8, 2-4	T	Solid	5035A	
560-6163-23	SP9, 2-4	T	Solid	5035A	
560-6163-26	SP10, 0-2	T	Solid	5035A	
560-6163-27	SP10, 2-4	T	Solid	5035A	
Prep Batch: 400-54204					
LCS 400-54204/1-A	Lab Control Spike	T	Solid	5035A	
MB 400-54204/2-A	Method Blank	T	Solid	5035A	
560-6163-2	SP1, 2-4	T	Solid	5035A	
560-6163-5	SP2, 0-2	T	Solid	5035A	
560-6163-9	SP3, 0-2	T	Solid	5035A	
560-6163-22	SP9 0-2	T	Solid	5035A	

Report Basis
T = Total

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 560-14476					
LCS 560-14476/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 560-14476/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 560-14476/1-A	Method Blank	T	Solid	3550B	
560-6163-1	SP1, 0-2	T	Solid	3550B	
560-6163-2	SP1, 2-4	T	Solid	3550B	
560-6163-5	SP2, 0-2	T	Solid	3550B	
560-6163-6	SP2, 2-4	T	Solid	3550B	
560-6163-9	SP3, 0-2	T	Solid	3550B	
560-6163-10	SP3, 2-4	T	Solid	3550B	
560-6163-11	SP4, 0-2	T	Solid	3550B	
560-6163-12	SP4, 2-4	T	Solid	3550B	
560-6163-13	SP5, 0-2	T	Solid	3550B	
560-6163-14	SP5, 2-4	T	Solid	3550B	
560-6163-15	SP6, 0-2	T	Solid	3550B	
560-6163-16	SP6, 2-4	T	Solid	3550B	
560-6163-18	SP7, 0-2	T	Solid	3550B	
560-6163-19	SP7, 2-4	T	Solid	3550B	
560-6163-20	SP8, 0-2	T	Solid	3550B	
560-6163-21	SP8, 2-4	T	Solid	3550B	
560-6163-22	SP9 0-2	T	Solid	3550B	
560-6163-23	SP9, 2-4	T	Solid	3550B	
560-6163-26	SP10, 0-2	T	Solid	3550B	
560-6163-27	SP10, 2-4	T	Solid	3550B	

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:560-14567					
LCS 560-14476/2-A	Lab Control Spike	T	Solid	8015B	560-14476
LCSD 560-14476/3-A	Lab Control Spike Duplicate	T	Solid	8015B	560-14476
MB 560-14476/1-A	Method Blank	T	Solid	8015B	560-14476
560-6163-1	SP1, 0-2	T	Solid	8015B	560-14476
560-6163-2	SP1, 2-4	T	Solid	8015B	560-14476
560-6163-5	SP2, 0-2	T	Solid	8015B	560-14476
560-6163-6	SP2, 2-4	T	Solid	8015B	560-14476
560-6163-9	SP3, 0-2	T	Solid	8015B	560-14476
560-6163-10	SP3, 2-4	T	Solid	8015B	560-14476
560-6163-11	SP4, 0-2	T	Solid	8015B	560-14476
560-6163-12	SP4, 2-4	T	Solid	8015B	560-14476
560-6163-13	SP5, 0-2	T	Solid	8015B	560-14476
560-6163-14	SP5, 2-4	T	Solid	8015B	560-14476
560-6163-15	SP6, 0-2	T	Solid	8015B	560-14476
560-6163-16	SP6, 2-4	T	Solid	8015B	560-14476
560-6163-18	SP7, 0-2	T	Solid	8015B	560-14476
560-6163-19	SP7, 2-4	T	Solid	8015B	560-14476
560-6163-20	SP8, 0-2	T	Solid	8015B	560-14476
560-6163-21	SP8, 2-4	T	Solid	8015B	560-14476
560-6163-22	SP9 0-2	T	Solid	8015B	560-14476
560-6163-23	SP9, 2-4	T	Solid	8015B	560-14476
560-6163-26	SP10, 0-2	T	Solid	8015B	560-14476
560-6163-27	SP10, 2-4	T	Solid	8015B	560-14476

Report Basis
T = Total

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 560-14620					
LCS 560-14620/2-A	Lab Control Spike	S	Solid	NONE	
MB 560-14620/1-A	Method Blank	S	Solid	NONE	
560-6163-1	SP1, 0-2	S	Solid	NONE	
560-6163-1MS	Matrix Spike	S	Solid	NONE	
560-6163-1MSD	Matrix Spike Duplicate	S	Solid	NONE	
560-6163-2	SP1, 2-4	S	Solid	NONE	
560-6163-3	SP1, 4-6	S	Solid	NONE	
560-6163-4	SP1, 6-8	S	Solid	NONE	
560-6163-5	SP2, 0-2	S	Solid	NONE	
560-6163-6	SP2, 2-4	S	Solid	NONE	
560-6163-7	SP2, 4-6	S	Solid	NONE	
560-6163-8	SP2, 6-7	S	Solid	NONE	
560-6163-9	SP3, 0-2	S	Solid	NONE	
560-6163-10	SP3, 2-4	S	Solid	NONE	
560-6163-11	SP4, 0-2	S	Solid	NONE	
560-6163-12	SP4, 2-4	S	Solid	NONE	
560-6163-13	SP5, 0-2	S	Solid	NONE	
560-6163-14	SP5, 2-4	S	Solid	NONE	
560-6163-15	SP6, 0-2	S	Solid	NONE	
560-6163-16	SP6, 2-4	S	Solid	NONE	
560-6163-17	SP6, 4-5.5	S	Solid	NONE	
560-6163-18	SP7, 0-2	S	Solid	NONE	
560-6163-19	SP7, 2-4	S	Solid	NONE	
560-6163-20	SP8, 0-2	S	Solid	NONE	
560-6163-21	SP8, 2-4	S	Solid	NONE	
560-6163-22	SP9 0-2	S	Solid	NONE	
560-6163-23	SP9, 2-4	S	Solid	NONE	
560-6163-24	SP9, 4-6	S	Solid	NONE	
560-6163-25	SP9, 6-8	S	Solid	NONE	
560-6163-26	SP10, 0-2	S	Solid	NONE	
560-6163-27	SP10, 2-4	S	Solid	NONE	

Client: Larson & Associates, Inc. Job Number: 560-6163-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:560-14623					
LCS 560-14620/2-A	Lab Control Spike	S	Solid	300.0	
MB 560-14620/1-A	Method Blank	S	Solid	300.0	
560-6163-1	SP1, 0-2	S	Solid	300.0	
560-6163-1MS	Matrix Spike	S	Solid	300.0	
560-6163-1MSD	Matrix Spike Duplicate	S	Solid	300.0	
560-6163-2	SP1, 2-4	S	Solid	300.0	
560-6163-3	SP1, 4-6	S	Solid	300.0	
560-6163-4	SP1, 6-8	S	Solid	300.0	
560-6163-5	SP2, 0-2	S	Solid	300.0	
560-6163-6	SP2, 2-4	S	Solid	300.0	
560-6163-7	SP2, 4-6	S	Solid	300.0	
560-6163-8	SP2, 6-7	S	Solid	300.0	
560-6163-9	SP3, 0-2	S	Solid	300.0	
560-6163-10	SP3, 2-4	S	Solid	300.0	
560-6163-11	SP4, 0-2	S	Solid	300.0	
560-6163-12	SP4, 2-4	S	Solid	300.0	
560-6163-13	SP5, 0-2	S	Solid	300.0	
560-6163-14	SP5, 2-4	S	Solid	300.0	
560-6163-15	SP6, 0-2	S	Solid	300.0	
560-6163-16	SP6, 2-4	S	Solid	300.0	
560-6163-17	SP6, 4-5.5	S	Solid	300.0	
560-6163-18	SP7, 0-2	S	Solid	300.0	
560-6163-19	SP7, 2-4	S	Solid	300.0	
560-6163-20	SP8, 0-2	S	Solid	300.0	
560-6163-21	SP8, 2-4	S	Solid	300.0	
560-6163-22	SP9 0-2	S	Solid	300.0	
560-6163-23	SP9, 2-4	S	Solid	300.0	
560-6163-24	SP9, 4-6	S	Solid	300.0	
560-6163-25	SP9, 6-8	S	Solid	300.0	
560-6163-26	SP10, 0-2	S	Solid	300.0	
560-6163-27	SP10, 2-4	S	Solid	300.0	

Report Basis
S = Soluble

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 400-54203

Method: 8015M
Preparation: 5035A

Lab Sample ID: MB 400-54203/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/23/2007 1046
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187
Prep Batch: 400-54203
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: R082303.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5.0 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	0.058	J	0.033	0.10

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	102	60 - 134

Lab Control Spike - Batch: 400-54203

Method: 8015M
Preparation: 5035A

Lab Sample ID: LCS 400-54203/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/23/2007 0955
Date Prepared: 08/23/2007 0955

Analysis Batch: 400-54187
Prep Batch: 400-54203
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: R082302.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5.0 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C6-C10	1.00	1.04	104	75 - 124	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	103	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 400-54204

Method: 8015M
Preparation: 5035A

Lab Sample ID: MB 400-54204/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2007 1030
Date Prepared: 08/24/2007 0934

Analysis Batch: 400-54188
Prep Batch: 400-54204
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: R082403.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5.0 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	0.050	J	0.033	0.10

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	101	60 - 134

Lab Control Spike - Batch: 400-54204

Method: 8015M
Preparation: 5035A

Lab Sample ID: LCS 400-54204/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2007 0934
Date Prepared: 08/24/2007 0934

Analysis Batch: 400-54188
Prep Batch: 400-54204
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: R082402.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5.0 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C6-C10	1.00	1.03	103	75 - 124	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	108	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 560-14430

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-14430/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 0904
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507
Prep Batch: 560-14430
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08220703.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	0.0049	U	0.0049	0.050
Toluene	0.0050	U	0.0050	0.10
Ethylbenzene	0.0048	U	0.0048	0.050
Xylenes, Total	0.012	U	0.012	0.30

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	89	47 - 120
Trifluorotoluene (Surr)	110	35 - 132

Lab Control Spike - Batch: 560-14430

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-14430/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 0837
Date Prepared: 08/22/2007 0730

Analysis Batch: 560-14507
Prep Batch: 560-14430
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08220702.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	1.00	0.958	96	54 - 141	
Toluene	1.00	0.964	96	74 - 131	
Ethylbenzene	1.00	0.984	98	75 - 132	
Xylenes, Total	2.00	2.08	104	79 - 145	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	91	47 - 120
Trifluorotoluene (Surr)	115	35 - 132

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 560-14484

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-14484/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 1618
Date Prepared: 08/22/2007 1618

Analysis Batch: 560-14484
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08220703.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	MQL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	76	51 - 127
Trifluorotoluene (Surr)	84	50 - 129

Lab Control Spike - Batch: 560-14484

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-14484/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 1550
Date Prepared: 08/22/2007 1550

Analysis Batch: 560-14484
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08220702.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0200	0.0192	96	76 - 128	
Toluene	0.0200	0.0207	104	71 - 124	
Ethylbenzene	0.0200	0.0211	105	73 - 122	
Xylenes, Total	0.0400	0.0453	113	73 - 133	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	98	51 - 127
Trifluorotoluene (Surr)	98	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 560-14508

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-14508/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/23/2007 0845
Date Prepared: 08/23/2007 0845

Analysis Batch: 560-14508
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08230703.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	MQL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	78	51 - 127
Trifluorotoluene (Surr)	90	50 - 129

Lab Control Spike - Batch: 560-14508

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-14508/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/23/2007 0816
Date Prepared: 08/23/2007 0816

Analysis Batch: 560-14508
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 08230702.D
Initial Weight/Volume: 5.0 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0200	0.0212	106	76 - 128	
Toluene	0.0200	0.0222	111	71 - 124	
Ethylbenzene	0.0200	0.0221	110	73 - 122	
Xylenes, Total	0.0400	0.0473	118	73 - 133	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	94	51 - 127
Trifluorotoluene (Surr)	97	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-14508

Method: 8021B
Preparation: 5030B

MS Lab Sample ID:	560-6163-A-9 MSD	Analysis Batch: 560-14508	Instrument ID: HP GC [Method 8021]
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: 08230708.D
Dilution:	1.0		Initial Weight/Volume: 5.78 g
Date Analyzed:	08/23/2007 1108		Final Weight/Volume: 5 mL
Date Prepared:	08/23/2007 1108		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	560-6163-9	Analysis Batch: 560-14508	Instrument ID: HP GC [Method 8021]
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: 08230709.D
Dilution:	1.0		Initial Weight/Volume: 5.73 g
Date Analyzed:	08/23/2007 1136		Final Weight/Volume: 5 mL
Date Prepared:	08/23/2007 1136		Injection Volume:
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzene	39	41	28 - 150	63	30		F
Toluene	33	31	23 - 150	69	30		F
Ethylbenzene	19	20	20 - 150	64	30	F	J F
Xylenes, Total	21	22	20 - 150	65	30		J F

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
4-Bromofluorobenzene (Surr)	39	X	20	X	51 - 127
Trifluorotoluene (Surr)	60		29	X	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 560-14476

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 560-14476/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2007 1657
Date Prepared: 08/22/2007 1200

Analysis Batch: 560-14567
Prep Batch: 560-14476
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth
Lab File ID: 08240710.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Diesel Range Organics [C10-C28]	4.2	U	4.2	50

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	100	29 - 140

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 560-14476

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 560-14476/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2007 1706
Date Prepared: 08/22/2007 1200

Analysis Batch: 560-14567
Prep Batch: 560-14476
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Meth
Lab File ID: 08240711.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 560-14476/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/24/2007 1714
Date Prepared: 08/22/2007 1200

Analysis Batch: 560-14567
Prep Batch: 560-14476
Units: mg/Kg

Instrument ID: Hewlett Packard GC [Met
Lab File ID: 08240712.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec. LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Diesel Range Organics [C10-C28]	102	103	38 - 131	1.05	30.00		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	104	106	29 - 140

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Method Blank - Batch: 560-14623

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 560-14620/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 1411
Date Prepared: N/A
Date Leached: 08/22/2007 1200

Analysis Batch: 560-14623
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-14620

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Result	Qual	MDL	RL
Chloride-S	0.14	U	0.14	0.50

Lab Control Spike - Batch: 560-14623

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 560-14620/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 08/22/2007 1411
Date Prepared: N/A
Date Leached: 08/22/2007 1200

Analysis Batch: 560-14623
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-14620

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: mL
Final Weight/Volume: mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride-S	10.0	9.43	94	70 - 130	
Chloride-S	10.0	9.93	99	70 - 130	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6163-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-14623

Method: 300.0
Preparation: N/A

MS Lab Sample ID:	560-6163-1	Analysis Batch: 560-14623	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: mL
Date Analyzed:	08/22/2007 1411		Final Weight/Volume: mL
Date Prepared:	N/A		
Date Leached:	08/22/2007 1200	Leachate Batch: 560-14620	
MSD Lab Sample ID:	560-6163-1	Analysis Batch: 560-14623	Instrument ID: No Equipment Assigned
Client Matrix:	Solid	Prep Batch: N/A	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: mL
Date Analyzed:	08/22/2007 1411		Final Weight/Volume: mL
Date Prepared:	N/A		
Date Leached:	08/22/2007 1200	Leachate Batch: 560-14620	

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride-S	87	87	70 - 130	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

2.1 °C IR#1 6163 Pg 1 of 2

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: JH HC
SITE MANAGER: MARK LARSON
PROJECT NO.: 7-0111
PROJECT NAME: FRISCO STE A TB
PAGE 1 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH	CHLORIDE	BTEX	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8-21-07	0925		X		SP1, 0-2	1	X	X	X		
	0925		X		SP1, 2-4	1	X	X			
	0935		X		SP1, 4-6	1		X			
	0935		X		SP1, 6-8	1		X			
	0950		X		SP2, 0-2	1	X	X	X		
	0950		X		SP2, 2-4	1	X	X			
	1000		X		SP2, 4-6	1		X			
	1000		X		SP2, 6-7	1		X			
	1025		X		SP3, 0-2	1	X	X	X		
	1025		X		SP3, 2-4	1	X	X			
	1040		X		SP4, 0-2	1	X	X	X		
	1040		X		SP4, 2-4	1	X	X			
	1100		X		SP5, 0-2	1	X	X	X		
	1100		X		SP5, 2-4	1	X	X			
	1230		X		SP6, 0-2	1	X	X	X		
	1230		X		SP6, 2-4	1	X	X			
	1240		X		SP6, 4-5.5	1		X			
	1255		X		SP7, 0-2	1	X	X	X		

SAMPLED BY: (Signature) Lori W Brock DATE: 8-21-07 TIME: 1645
RELINQUISHED BY: (Signature) Lori W Brock DATE: 8-21-07 TIME: 1645
RECEIVED BY: (Signature) Lone Star DATE: _____ TIME: _____
RELINQUISHED BY: (Signature) Lone Star DATE: 08/22/07 TIME: 1006
RECEIVED BY: (Signature) Julie Parrow DATE: 08/22/07 TIME: 1006
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #: _____
HAND DELIVERED UPS OTHER: _____

COMMENTS:
TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT: _____ PHONE: _____
RECEIVED BY: (Signature) _____
DATE: _____ TIME: _____

SAMPLE CONDITION WHEN RECEIVED:
LA CONTACT PERSON:
SAMPLE TYPE:

CHAIN—OF—CUSTODY RECORD

Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: JHHC
SITE MANAGER: MARK LARSON
PROJECT NO.: 7-0111
PROJECT NAME: FRISCO STE A TB
PAGE 2 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH	Chloride	BTEX	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8-21-07	1255		S		SP7 2-4	1	X	X			
	1308		S		SP8, 0-2	1	X	X	X		
	1308		S		SP8, 2-4	1	X	X			
	1320		S		SP9, 0-2	1	X	X	X		
	1320		S		SP9, 2-4	1	X	X			
	1325		S		SP9, 4-6	1		X			
	1325		S		SP9, 6-8	1		X			
	1337		S		SP10, 0-2	1	X	X	X		
↓	1337		S		SP10, 2-4	1	X	X			

SAMPLED BY: (Signature) Lee W. Brooks — DATE: 8-21-07 TIME: 1645
RELINQUISHED BY: (Signature) Lee W. Brooks — DATE: 8-21-07 TIME: 1647
RECEIVED BY: (Signature) Lonestar — DATE: TIME:
RELINQUISHED BY: (Signature) Lonestar — DATE: 08/22/07 TIME: 1006
RECEIVED BY: (Signature) Julie Davis — DATE: 08/22/07 TIME: 1006
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:
TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:
LA CONTACT PERSON:
SAMPLE TYPE:

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc. Job Number: 560-6163-1

Login Number: 6163

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	sealed
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1 C IR #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

2.PC TR#1 6163 Pg 1 of 2

CHAIN—OF—CUSTODY RECORD

LA Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: JHHC
SITE MANAGER: MARK LARSON
PROJECT NO.: 7-0111
PROJECT NAME: FRISCO STE A TB
PAGE 1 OF 2
LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	TPH	CHLORIDE	BTEX	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E, FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8-21-07	0925		X		SP1, 0-2	1	X	X	X		
	0925		X		SP1, 2-4	1	X	X			
	0935		X		SP1, 4-6	1		X			
	0935		X		SP1, 6-8	1		X			
	0950		X		SP2, 0-2	1	X	X	X		
	0950		X		SP2, 2-4	1	X	X			
	1000		X		SP2, 4-6	1		X			
	1000		X		SP2, 6-7	1		X			
	1025		X		SP3, 0-2	1	X	X	X		
	1025		X		SP3, 2-4	1	X	X			
	1040		X		SP4, 0-2	1	X	X	X		
	1040		X		SP4, 2-4	1	X	X			
	1100		X		SP5, 0-2	1	X	X	X		
	1100		X		SP5, 2-4	1	X	X			
	1230		X		SP6, 0-2	1	X	X	X		
	1230		X		SP6, 2-4	1	X	X			
	1240		X		SP6, 4-5.5	1		X			
	1255		X		SP7, 0-2	1	X	X	X		

SAMPLED BY: (Signature) Lee W Brock
DATE: 8-21-07 TIME: 1645
RELINQUISHED BY: (Signature) Lee W Brock
DATE: 8-21-07 TIME: 1647
RECEIVED BY: (Signature) Lone Star
DATE: TIME:

RELINQUISHED BY: (Signature) Lone Star
DATE: 08/22/07 TIME: 1006
RECEIVED BY: (Signature) Julie Larson
DATE: 08/22/07 TIME: 1006
SAMPLE SHIPPED BY: (Circle)
FEDEX BUS AIRBILL #:
HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE:

6163 Pg 2 of 2

CHAIN—OF—CUSTODY RECORD

LA Larson & Associates, Inc. Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME: JHHC

SITE MANAGER: MARK LARSON

PROJECT NO.: 7-0111

PROJECT NAME: FRISCO STE A TB

PAGE 2 OF 2

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH	Chloride	BTEX	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8-21-07	1255		S		SP7 2-4	1	X	X			
	1308		S		SP8, 0-2	1	X	X	X		
	1308		S		SP8, 2-4	1	X	X			
	1320		S		SP9, 0-2	1	X	X	X		
	1320		S		SP9, 2-4	1	X	X			
	1325		S		SP9, 4-6	1		X			
	1325		S		SP9, 6-8	1		X			
	1337		S		SP10, 0-2	1	X	X	X		
↓	1337		S		SP10, 2-4	1	X	X			

SAMPLED BY: (Signature) Kay W. Brock — DATE: 8-21-07 TIME: 1645

RELINQUISHED BY: (Signature) Kay W. Brock — DATE: 8-21-07 TIME: 1647

RECEIVED BY: (Signature) lonestar — DATE: TIME:

RELINQUISHED BY: (Signature) lonestar — DATE: 08/22/07 TIME: 1006

RECEIVED BY: (Signature) Julie Larson — DATE: 08/22/07 TIME: 1006

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #:

HAND DELIVERED UPS OTHER:

COMMENTS:

TURNAROUND TIME NEEDED

RECEIVING LABORATORY:

ADDRESS:

CITY: STATE: ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

WHITE – RECEIVING LAB
YELLOW – RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
PINK – PROJECT MANAGER
GOLD – QA/QC COORDINATOR

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 560-6527-1

Job Description: Friscoe State "A"

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Attention: Ms. Michelle Green

Julie Darrow
Project Manager I
jdarrow@stl-inc.com
09/19/2007

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
560-6527-1	**SS-1 1"**				
Soluble					
Chloride-S		7.3	5.0	mg/Kg	300.0
560-6527-2	**SS-2 1"**				
Soluble					
Chloride-S		86	5.0	mg/Kg	300.0
560-6527-3	**SS-3 1"**				
Soluble					
Chloride-S		120	5.0	mg/Kg	300.0
560-6527-4	**SS-4 1"**				
Soluble					
Chloride-S		150	5.0	mg/Kg	300.0
560-6527-5	**SS-5 1"**				
Soluble					
Chloride-S		260	25	mg/Kg	300.0
560-6527-6	**SS-6 1"**				
Soluble					
Chloride-S		6.6	5.0	mg/Kg	300.0
560-6527-7	**SS-7 1"**				
Soluble					
Chloride-S		6.4	5.0	mg/Kg	300.0
560-6527-8	**SS-8 1"**				
Soluble					
Chloride-S		6.7	5.0	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6527-9	**SS-9 1"**					
Benzene		0.0017	J	0.0044	mg/Kg	8021B
Toluene		0.0020	J	0.0044	mg/Kg	8021B
Xylenes, Total		0.0067	J	0.013	mg/Kg	8021B
Soluble						
Chloride-S		12		5.0	mg/Kg	300.0
560-6527-10	**SS-10 1"**					
Soluble						
Chloride-S		14		5.0	mg/Kg	300.0

METHOD SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD	TAL CC	SW846 8021B	
Purge and Trap for Solids	TAL CC		SW846 5030B
Anions by Ion Chromatography	TAL CC	MCAWW 300.0	
Deionized Water Leaching Procedure (Routine)	TAL CC		ASTM DI Leach

Lab References:

TAL CC = TestAmerica Corpus Christi

Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Method	Analyst	Analyst ID
SW846 8021B	Gonzales, Roman J	RJG
SW846 8021B	Haas, Richard	RH
MCAWW 300.0	Zwierzykowski, Hanna M	HMZ

SAMPLE SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-6527-1	SS-1 1"	Soil	09/13/2007 1230	09/14/2007 1029
560-6527-2	SS-2 1"	Soil	09/13/2007 1235	09/14/2007 1029
560-6527-3	SS-3 1"	Soil	09/13/2007 1241	09/14/2007 1029
560-6527-4	SS-4 1"	Soil	09/13/2007 1250	09/14/2007 1029
560-6527-5	SS-5 1"	Soil	09/13/2007 1254	09/14/2007 1029
560-6527-6	SS-6 1"	Soil	09/13/2007 1259	09/14/2007 1029
560-6527-7	SS-7 1"	Soil	09/13/2007 1306	09/14/2007 1029
560-6527-8	SS-8 1"	Soil	09/13/2007 1311	09/14/2007 1029
560-6527-9	SS-9 1"	Soil	09/13/2007 1219	09/14/2007 1029
560-6527-10	SS-10 1"	Soil	09/13/2007 1325	09/14/2007 1029

SAMPLE RESULTS

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-1 1"
Lab Sample ID: 560-6527-1

Date Sampled: 09/13/2007 1230
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:	09/14/2007 1246		
Prep Method: 5030B			Date Prepared:	09/14/2007 1246		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	73		%		51 - 127	
Trifluorotoluene (Surr)	79		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:	09/14/2007 1530		
Chloride	7.3		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
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Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-2 1"
Lab Sample ID: 560-6527-2

Date Sampled: 09/13/2007 1235
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1314	
Prep Method: 5030B			Date Prepared:		09/14/2007 1314	
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	62		%		51 - 127	
Trifluorotoluene (Surr)	75		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	86		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-3 1"
Lab Sample ID: 560-6527-3

Date Sampled: 09/13/2007 1241
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1342	
Prep Method: 5030B			Date Prepared:		09/14/2007 1342	
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	74		%		51 - 127	
Trifluorotoluene (Surr)	80		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	120		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-4 1"
Lab Sample ID: 560-6527-4

Date Sampled: 09/13/2007 1250
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1410	
Prep Method: 5030B			Date Prepared:		09/14/2007 1410	
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	72		%		51 - 127	
Trifluorotoluene (Surr)	81		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	150		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
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Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-5 1"
Lab Sample ID: 560-6527-5

Date Sampled: 09/13/2007 1254
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1438	
Prep Method: 5030B			Date Prepared:		09/14/2007 1438	
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	75		%		51 - 127	
Trifluorotoluene (Surr)	83		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	260		mg/Kg	7.2	25	5.0

Ms. Michelle Green
Larson & Associates, Inc.
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Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-6 1"
Lab Sample ID: 560-6527-6

Date Sampled: 09/13/2007 1259
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1506	
Prep Method: 5030B			Date Prepared:		09/14/2007 1506	
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	79		%		51 - 127	
Trifluorotoluene (Surr)	88		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	6.6		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-7 1"
Lab Sample ID: 560-6527-7

Date Sampled: 09/13/2007 1306
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/14/2007 1630	
Prep Method: 5030B			Date Prepared:		09/14/2007 1630	
Benzene	0.0017	U	mg/Kg	0.0017	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	76		%		51 - 127	
Trifluorotoluene (Surr)	85		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	6.4		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
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Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-8 1"
Lab Sample ID: 560-6527-8

Date Sampled: 09/13/2007 1311
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/17/2007 0758	
Prep Method: 5030B			Date Prepared:		09/17/2007 0758	
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	89		%		51 - 127	
Trifluorotoluene (Surr)	82		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	6.7		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-9 1"
Lab Sample ID: 560-6527-9

Date Sampled: 09/13/2007 1219
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/17/2007 1555	
Prep Method: 5030B			Date Prepared:		09/17/2007 1555	
Benzene	0.0017	J	mg/Kg	0.0017	0.0044	1.0
Toluene	0.0020	J	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0067	J	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	73		%		51 - 127	
Trifluorotoluene (Surr)	117		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	12		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6527-1

Client Sample ID: SS-10 1"
Lab Sample ID: 560-6527-10

Date Sampled: 09/13/2007 1325
Date Received: 09/14/2007 1029
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8021B			Date Analyzed:		09/17/2007 1623	
Prep Method: 5030B			Date Prepared:		09/17/2007 1623	
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	78		%		51 - 127	
Trifluorotoluene (Surr)	116		%		50 - 129	
Method: Soluble-300.0			Date Analyzed:		09/14/2007 1530	
Chloride	14		mg/Kg	1.4	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Lab Section	Qualifier	Description
GC VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: Larson & Associates, Inc.

Job Number: 560-6527-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:560-15202					
LCS 560-15202/1	Lab Control Spike	T	Solid	8021B	
MB 560-15202/15	Method Blank	T	Solid	8021B	
MB 560-15202/2	Method Blank	T	Solid	8021B	
560-6527-1	SS-1 1"	T	Solid	8021B	
560-6527-2	SS-2 1"	T	Solid	8021B	
560-6527-3	SS-3 1"	T	Solid	8021B	
560-6527-4	SS-4 1"	T	Solid	8021B	
560-6527-5	SS-5 1"	T	Solid	8021B	
560-6527-6	SS-6 1"	T	Solid	8021B	
560-6527-7	SS-7 1"	T	Solid	8021B	
560-6527-8	SS-8 1"	T	Solid	8021B	
Analysis Batch:560-15271					
LCS 560-15271/1	Lab Control Spike	T	Solid	8021B	
MB 560-15271/2	Method Blank	T	Solid	8021B	
560-6527-9	SS-9 1"	T	Solid	8021B	
560-6527-10	SS-10 1"	T	Solid	8021B	

Report Basis
T = Total

Client: Larson & Associates, Inc. Job Number: 560-6527-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 560-15225					
LCS 560-15225/2-A	Lab Control Spike	S	Solid	DI Leach	
MB 560-15225/1-A	Method Blank	S	Solid	DI Leach	
560-6527-1	SS-1 1"	S	Solid	DI Leach	
560-6527-1MS	Matrix Spike	S	Solid	DI Leach	
560-6527-1MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
560-6527-2	SS-2 1"	S	Solid	DI Leach	
560-6527-3	SS-3 1"	S	Solid	DI Leach	
560-6527-4	SS-4 1"	S	Solid	DI Leach	
560-6527-5	SS-5 1"	S	Solid	DI Leach	
560-6527-6	SS-6 1"	S	Solid	DI Leach	
560-6527-7	SS-7 1"	S	Solid	DI Leach	
560-6527-8	SS-8 1"	S	Solid	DI Leach	
560-6527-9	SS-9 1"	S	Solid	DI Leach	
560-6527-10	SS-10 1"	S	Solid	DI Leach	
Analysis Batch:560-15226					
LCS 560-15225/2-A	Lab Control Spike	S	Solid	300.0	
MB 560-15225/1-A	Method Blank	S	Solid	300.0	
560-6527-1	SS-1 1"	S	Solid	300.0	
560-6527-1MS	Matrix Spike	S	Solid	300.0	
560-6527-1MSD	Matrix Spike Duplicate	S	Solid	300.0	
560-6527-2	SS-2 1"	S	Solid	300.0	
560-6527-3	SS-3 1"	S	Solid	300.0	
560-6527-4	SS-4 1"	S	Solid	300.0	
560-6527-5	SS-5 1"	S	Solid	300.0	
560-6527-6	SS-6 1"	S	Solid	300.0	
560-6527-7	SS-7 1"	S	Solid	300.0	
560-6527-8	SS-8 1"	S	Solid	300.0	
560-6527-9	SS-9 1"	S	Solid	300.0	
560-6527-10	SS-10 1"	S	Solid	300.0	

Report Basis
S = Soluble

Client: Larson & Associates, Inc.

Job Number: 560-6527-1

Method Blank - Batch: 560-15202

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-15202/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 0930
Date Prepared: 09/14/2007 0930

Analysis Batch: 560-15202
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09140703.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	77	51 - 127
Trifluorotoluene (Surr)	80	50 - 129

Method Blank - Batch: 560-15202

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-15202/15
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 1602
Date Prepared: 09/14/2007 1602

Analysis Batch: 560-15202
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09140717.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	75	51 - 127
Trifluorotoluene (Surr)	81	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6527-1

Lab Control Spike - Batch: 560-15202

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-15202/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 0902
Date Prepared: 09/14/2007 0902

Analysis Batch: 560-15202
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09140702.D
Initial Weight/Volume: 5.00 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0200	0.0205	102	76 - 128	
Toluene	0.0200	0.0217	108	71 - 124	
Ethylbenzene	0.0200	0.0219	109	73 - 122	
Xylenes, Total	0.0400	0.0464	116	73 - 133	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	95	51 - 127
Trifluorotoluene (Surr)	92	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6527-1

Method Blank - Batch: 560-15271

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-15271/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2007 1527
Date Prepared: 09/17/2007 1527

Analysis Batch: 560-15271
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09170704.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	80	51 - 127
Trifluorotoluene (Surr)	118	50 - 129

Lab Control Spike - Batch: 560-15271

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-15271/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/17/2007 1459
Date Prepared: 09/17/2007 1459

Analysis Batch: 560-15271
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09170703.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0200	0.0193	97	76 - 128	
Toluene	0.0200	0.0188	94	71 - 124	
Ethylbenzene	0.0200	0.0184	92	73 - 122	
Xylenes, Total	0.0400	0.0377	94	73 - 133	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	82	51 - 127
Trifluorotoluene (Surr)	119	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc. Job Number: 560-6527-1

Method Blank - Batch: 560-15226 **Method: 300.0**
Preparation: N/A

Lab Sample ID: MB 560-15225/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 1530
Date Prepared: N/A
Date Leached: 09/14/2007 1200

Analysis Batch: 560-15226
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-15225

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloride-S	1.4	U	1.4	5.0

Lab Control Spike - Batch: 560-15226 **Method: 300.0**
Preparation: N/A

Lab Sample ID: LCS 560-15225/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 1530
Date Prepared: N/A
Date Leached: 09/14/2007 1200

Analysis Batch: 560-15226
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-15225

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride-S	100	92.6	93	70 - 130	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-15226 **Method: 300.0**
Preparation: N/A

MS Lab Sample ID: 560-6527-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 1530
Date Prepared: N/A
Date Leached: 09/14/2007 1200

Analysis Batch: 560-15226
Prep Batch: N/A

Leachate Batch: 560-15225

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 560-6527-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/14/2007 1530
Date Prepared: N/A
Date Leached: 09/14/2007 1200

Analysis Batch: 560-15226
Prep Batch: N/A

Leachate Batch: 560-15225

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride-S	83	82	70 - 130	0	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

6527 3.2C Iced

№ 30091

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOC.
ADDRESS: MIDLAND, TX
PHONE: (432) 687-0901 FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 9/13/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Friscoe State - A
CLIENT PROJECT #: 7-0111 COLLECTOR: SW

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX X MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP METALS (RCRA) ☐ TCLP VOC ☐ | TCLP PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX X	CHLORIDE X	FIELD NOTES
SS-1 1'		9/13	1230	S		1						X	X	Chloride by (300.0)
SS-2 1'			1235											
SS-3 1'			1241											
SS-4 1'			1250											
SS-5 1'			1254											
SS-6 1'			1259											
SS-7 1'			1306											
SS-8 1'			1311											
SS-9 2'			1319											
SS-10 1'			1325									X	X	
TOTAL														

RELINQUISHED BY: (Signature) DATE/TIME 9/13/07 1600 RECEIVED BY: (Signature) Conestar
RELINQUISHED BY: (Signature) DATE/TIME 09/14/07 1029 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY X CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: _____ THERM #: _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ APC DELIVERY
☐ HAND DELIVERED

09/11/2007

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc.

Job Number: 560-6527-1

Login Number: 6527

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	sealed
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2 C IR #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

e527 3.2c IRed

№ 30091

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOC.
ADDRESS: MIDLAND, TX
PHONE: (432) 687-0901 FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 9/13/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FRISCOE STATE - A'
CLIENT PROJECT #: 7-0111 COLLECTOR: SW

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX X MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL - MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ | PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 NaOH	ICE	UNPRESERVED	BTEX	CHLORIDE	FIELD NOTES
SS-1 1'		9/13	1230	S		1						X	X	Chloride by (300.0)
SS-2 1'			1235											
SS-3 1'			1241											
SS-4 1'			1250											
SS-5 1'			1254											
SS-6 1'			1259											
SS-7 1'			1306											
SS-8 1'			1311											
SS-9 2'			1319											
SS-10 1'			1325									X	X	

TOTAL

RELINQUISHED BY: (Signature) — DATE/TIME 9/13/07 1600 — RECEIVED BY: (Signature) Lone Star
RELINQUISHED BY: (Signature) Lone Star — DATE/TIME 09/14/07 1025 — RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) — DATE/TIME — RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY X CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL

September 18, 2007

Michelle Green
Larson & Associates
507 N. Marienfeld #202
Midland, TX 79701

TEL: (432) 687-0901
FAX (432) 687-0456

Order No.: 0709102

RE: Frisco State "A"

Dear Michelle Green:

DHL Analytical received 10 sample(s) on 9/14/2007 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of New Mexico Laboratory Certification Number:

DHL ANALYTICAL

TABLE OF CONTENTS

This report for Larson & Associates: Frisco State "A" (DHL Work Order 0709102) contains the following information:

September 18, 2007

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29377

CHAIN-OF-CUSTODY

CLIENT: Larson + Assoc
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Drew
ADDITIONAL REPORT COPIES TO:

DATE: 9/13/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 0709102
PROJECT LOCATION OR NAME: Frisco State "A"
CLIENT PROJECT #: 7-0111 COLLECTOR: SW

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 | DIESEL - MOD 8015 X | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015 X	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
SS-1 (1')	01	9/13	12:30	S	4oz	1															X	X							
SS-2 (1')	02	↓	12:35	↓	↓	↓															↓	↓							
SS-3 (1')	03		12:41																										
SS-4 (1')	04		12:50																										
SS-5 (1')	05		12:54																										
SS-6 (1')	06		12:59																										
SS-7 (1')	07		13:06																										
SS-8 (1')	08		13:11																										
SS-9 (2')	09		13:19																										
SS-10 (1')	10	↓	13:25	X	X	↓															X	X							
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 9/13/07 1600 RECEIVED BY: (Signature) LSO
RELINQUISHED BY: (Signature) LSO DATE/TIME 9-14-07 8:00 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY X CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP. 4.9 °C THERM.#: 57
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
X CARRIER BILL # LSO
☐ APC DELIVERY
☐ HAND DELIVERED

Lone Star Overnight

Airbill No. Z3558835

Lone Star Overnight
800.800.8984
www.lso.com

5

To: SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK, TX 78664
(512) 388 - 8222

From: MICHELLE GREEN
LARSON & ASSOCIATES, INC.
507 N MARIENFELD
SUITE 202
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

QuickCode: DHL

Date Printed: 9/13/2007

CUSTODY SEAL
DATE 9/13/07
SIGNATURE

QEC
Quality Environmental Containers
800-255-3950 • 304-255-3600

DHL Analytical

Sample Receipt Checklist

Client Name Larson & Associates | Date Received: 9/14/2007

Work Order Number 0709102 | Received by JB

Checklist completed by: [signature] 9.14.07 (Signature / Date) | Reviewed by JD 09/14/07 (Initials / Date)

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: Frisco State "A"
Lab Order: 0709102

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method M8015V - GRO Analysis
Method M8015D - DRO+ORO Analysis
Method D2216 - Percent Moisture (Parameter Not NELAC Certified)

LOG IN

Samples were received and log-in performed on 9/14/07. A total of 10 samples were received. The samples arrived in good condition and were properly packaged.

DRO+ORO ANALYSIS

For DRO+ORO analysis, the recovery of the matrix spike (0709102-03A-MS) was slightly below control limits for the TPH-DRO range. This is flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits. No further corrective actions were taken.

DHL Analytical

Date: *18-Sep-07*

CLIENT: Larson & Associates
Project: Frisco State "A"
Lab Order: 0709102

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recved
0709102-01	SS-1 (1')		09/13/07 12:30 PM	9/14/2007
0709102-02	SS-2 (1')		09/13/07 12:35 PM	9/14/2007
0709102-03	SS-3 (1')		09/13/07 12:41 PM	9/14/2007
0709102-04	SS-4 (1')		09/13/07 12:50 PM	9/14/2007
0709102-05	SS-5 (1')		09/13/07 12:54 PM	9/14/2007
0709102-06	SS-6 (1')		09/13/07 12:59 PM	9/14/2007
0709102-07	SS-7 (1')		09/13/07 01:06 PM	9/14/2007
0709102-08	SS-8 (1')		09/13/07 01:11 PM	9/14/2007
0709102-09	SS-9 (1')		09/13/07 01:19 PM	9/14/2007
0709102-10	SS-10 (1')		09/13/07 01:25 PM	9/14/2007

Lab Order: 0709102
Client: Larson & Associates
Project: Frisco State "A"

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0709102-01A	SS-1 (1')	09/13/07 12:30 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-1 (1')	09/13/07 12:30 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-1 (1')	09/13/07 12:30 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-02A	SS-2 (1')	09/13/07 12:35 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-2 (1')	09/13/07 12:35 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-2 (1')	09/13/07 12:35 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-03A	SS-3 (1')	09/13/07 12:41 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-3 (1')	09/13/07 12:41 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-3 (1')	09/13/07 12:41 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-04A	SS-4 (1')	09/13/07 12:50 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-4 (1')	09/13/07 12:50 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-4 (1')	09/13/07 12:50 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-05A	SS-5 (1')	09/13/07 12:54 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-5 (1')	09/13/07 12:54 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-5 (1')	09/13/07 12:54 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-06A	SS-6 (1')	09/13/07 12:59 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-6 (1')	09/13/07 12:59 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-6 (1')	09/13/07 12:59 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-07A	SS-7 (1')	09/13/07 01:06 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-7 (1')	09/13/07 01:06 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-7 (1')	09/13/07 01:06 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-08A	SS-8 (1')	09/13/07 01:11 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-8 (1')	09/13/07 01:11 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-8 (1')	09/13/07 01:11 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-09A	SS-9 (1')	09/13/07 01:19 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A
	SS-9 (1')	09/13/07 01:19 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-9 (1')	09/13/07 01:19 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242
0709102-10A	SS-10 (1')	09/13/07 01:25 PM	Soil	D2216	Percent Moisture	09/14/07 10:00 AM	PMOIST_070914A

Lab Order: 0709102
Client: Larson & Associates
Project: Frisco State "A"

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0709102-10A	SS-10 (1')	09/13/07 01:25 PM	Soil	SW5030B	Purge and Trap Soils GC- Gas	09/14/07 09:25 AM	27220
	SS-10 (1')	09/13/07 01:25 PM	Soil	SW3550B	Soil Prep Sonication: DRO	09/17/07 08:40 AM	27242

Lab Order: 0709102
Client: Larson & Associates
Project: Frisco State "A"

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0709102-01A	SS-1 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 10:57 AM	GC4_070914A
	SS-1 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-1 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 02:16 PM	GC15_070917A
0709102-02A	SS-2 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 12:03 PM	GC4_070914A
	SS-2 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-2 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 02:22 PM	GC15_070917A
0709102-03A	SS-3 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 12:24 PM	GC4_070914A
	SS-3 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-3 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 03:02 PM	GC15_070917A
0709102-04A	SS-4 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 12:46 PM	GC4_070914A
	SS-4 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-4 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 02:02 PM	GC15_070917A
0709102-05A	SS-5 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 01:08 PM	GC4_070914A
	SS-5 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-5 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 02:09 PM	GC15_070917A
0709102-06A	SS-6 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 01:30 PM	GC4_070914A
	SS-6 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-6 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 01:49 PM	GC15_070917A
0709102-07A	SS-7 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 02:14 PM	GC4_070914A
	SS-7 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-7 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 01:36 PM	GC15_070917A
0709102-08A	SS-8 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 02:36 PM	GC4_070914A
	SS-8 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-8 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 01:43 PM	GC15_070917A
0709102-09A	SS-9 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 02:58 PM	GC4_070914A
	SS-9 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-9 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 02:55 PM	GC15_070917A
0709102-10A	SS-10 (1')	Soil	M8015V	Modified 8015 Gasoline (GRO)	27220	1	09/14/07 03:20 PM	GC4_070914A

Lab Order: 0709102
Client: Larson & Associates
Project: Frisco State "A"

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0709102-10A	SS-10 (1')	Soil	D2216	Percent Moisture	PMOIST_070914A	1	09/14/07 05:00 PM	PMOIST_070914A
	SS-10 (1')	Soil	M8015D	TPH by GC - Soil DRO+ORO	27242	1	09/17/07 01:56 PM	GC15_070917A

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-1 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-01
Project No:	7-0111	**Collection Date:**	09/13/07 12:30 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	5.02	3.04	10.1	J	mg/Kg-dry	1	09/17/07 02:16 PM
TPH-ORO >C28-C35	7.13	3.04	10.1	J	mg/Kg-dry	1	09/17/07 02:16 PM
Surr: o-Terphenyl	74.2	0	47-142		%REC	1	09/17/07 02:16 PM
Surr: Octacosane	77.0	0	25-162		%REC	1	09/17/07 02:16 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0580	0.193		mg/Kg-dry	1	09/14/07 10:57 AM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	09/14/07 10:57 AM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	4.17	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-2 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-02
Project No:	7-0111	**Collection Date:**	09/13/07 12:35 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	30.7	3.06	10.2		mg/Kg-dry	1	09/17/07 02:22 PM
TPH-ORO >C28-C35	12.0	3.06	10.2		mg/Kg-dry	1	09/17/07 02:22 PM
Surr: o-Terphenyl	78.2	0	47-142		%REC	1	09/17/07 02:22 PM
Surr: Octacosane	68.0	0	25-162		%REC	1	09/17/07 02:22 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0603	0.201		mg/Kg-dry	1	09/14/07 12:03 PM
Surr: Tetrachlorethene	110	0	70-134		%REC	1	09/14/07 12:03 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	6.15	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-3 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-03
Project No:	7-0111	**Collection Date:**	09/13/07 12:41 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	13.0	2.98	9.95		mg/Kg-dry	1	09/17/07 03:02 PM
TPH-ORO >C28-C35	21.4	2.98	9.95		mg/Kg-dry	1	09/17/07 03:02 PM
Surr: o-Terphenyl	76.5	0	47-142		%REC	1	09/17/07 03:02 PM
Surr: Octacosane	72.2	0	25-162		%REC	1	09/17/07 03:02 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0567	0.189		mg/Kg-dry	1	09/14/07 12:24 PM
Surr: Tetrachlorethene	90.1	0	70-134		%REC	1	09/14/07 12:24 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	3.82	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-4 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-04
Project No:	7-0111	**Collection Date:**	09/13/07 12:50 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	12.8	3.10	10.3		mg/Kg-dry	1	09/17/07 02:02 PM
TPH-ORO >C28-C35	8.30	3.10	10.3	J	mg/Kg-dry	1	09/17/07 02:02 PM
Surr: o-Terphenyl	77.0	0	47-142		%REC	1	09/17/07 02:02 PM
Surr: Octacosane	68.0	0	25-162		%REC	1	09/17/07 02:02 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0605	0.202		mg/Kg-dry	1	09/14/07 12:46 PM
Surr: Tetrachlorethene	107	0	70-134		%REC	1	09/14/07 12:46 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	4.71	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-5 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-05
Project No:	7-0111	**Collection Date:**	09/13/07 12:54 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	5.30	3.05	10.2	J	mg/Kg-dry	1	09/17/07 02:09 PM
TPH-ORO >C28-C35	8.76	3.05	10.2	J	mg/Kg-dry	1	09/17/07 02:09 PM
Surr: o-Terphenyl	74.8	0	47-142		%REC	1	09/17/07 02:09 PM
Surr: Octacosane	65.9	0	25-162		%REC	1	09/17/07 02:09 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0571	0.190		mg/Kg-dry	1	09/14/07 01:08 PM
Surr: Tetrachlorethene	108	0	70-134		%REC	1	09/14/07 01:08 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	4.39	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-6 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-06
Project No:	7-0111	**Collection Date:**	09/13/07 12:59 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	6.82	3.00	10.0	J	mg/Kg-dry	1	09/17/07 01:49 PM
TPH-ORO >C28-C35	ND	3.00	10.0		mg/Kg-dry	1	09/17/07 01:49 PM
Surr: o-Terphenyl	75.7	0	47-142		%REC	1	09/17/07 01:49 PM
Surr: Octacosane	70.0	0	25-162		%REC	1	09/17/07 01:49 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0548	0.183		mg/Kg-dry	1	09/14/07 01:30 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	09/14/07 01:30 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	5.58	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-7 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-07
Project No:	7-0111	**Collection Date:**	09/13/07 01:06 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	4.67	3.27	10.9	J	mg/Kg-dry	1	09/17/07 01:36 PM
TPH-ORO >C28-C35	5.24	3.27	10.9	J	mg/Kg-dry	1	09/17/07 01:36 PM
Surr: o-Terphenyl	73.4	0	47-142		%REC	1	09/17/07 01:36 PM
Surr: Octacosane	61.4	0	25-162		%REC	1	09/17/07 01:36 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0607	0.202		mg/Kg-dry	1	09/14/07 02:14 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	09/14/07 02:14 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	10.1	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level
C	Sample Result or QC discussed in the Case Narrative
E	TPH pattern not Gas or Diesel Range Pattern
MDL	Method Detection Limit
RL	Reporting Limit
N	Parameter not NELAC certified
B	Analyte detected in the associated Method Blank
DF	Dilution Factor
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
S	Spike Recovery outside control limits

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-8 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-08
Project No:	7-0111	**Collection Date:**	09/13/07 01:11 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	6.44	3.11	10.4	J	mg/Kg-dry	1	09/17/07 01:43 PM
TPH-ORO >C28-C35	3.13	3.11	10.4	J	mg/Kg-dry	1	09/17/07 01:43 PM
Surr: o-Terphenyl	78.4	0	47-142		%REC	1	09/17/07 01:43 PM
Surr: Octacosane	66.6	0	25-162		%REC	1	09/17/07 01:43 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0621	0.207		mg/Kg-dry	1	09/14/07 02:36 PM
Surr: Tetrachlorethene	113	0	70-134		%REC	1	09/14/07 02:36 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	5.35	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-9 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-09
Project No:	7-0111	**Collection Date:**	09/13/07 01:19 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	19.6	3.35	11.2		mg/Kg-dry	1	09/17/07 02:55 PM
TPH-ORO >C28-C35	11.9	3.35	11.2		mg/Kg-dry	1	09/17/07 02:55 PM
Surr: o-Terphenyl	69.5	0	47-142		%REC	1	09/17/07 02:55 PM
Surr: Octacosane	59.9	0	25-162		%REC	1	09/17/07 02:55 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0636	0.212		mg/Kg-dry	1	09/14/07 02:58 PM
Surr: Tetrachlorethene	101	0	70-134		%REC	1	09/14/07 02:58 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	12.6	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Sep-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	SS-10 (1')
Project:	Frisco State "A"	**Lab ID:**	0709102-10
Project No:	7-0111	**Collection Date:**	09/13/07 01:25 PM
Lab Order:	0709102	**Matrix:**	SOIL

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
TPH BY GC - SOIL DRO+ORO		**M8015D**					Analyst: **DO**
TPH-DRO C10-C28	7.36	2.88	9.61	J	mg/Kg-dry	1	09/17/07 01:56 PM
TPH-ORO >C28-C35	ND	2.88	9.61		mg/Kg-dry	1	09/17/07 01:56 PM
Surr: o-Terphenyl	71.8	0	47-142		%REC	1	09/17/07 01:56 PM
Surr: Octacosane	60.2	0	25-162		%REC	1	09/17/07 01:56 PM
MODIFIED 8015 GASOLINE (GRO)		**M8015V**					Analyst: **DEW**
Gasoline Range Organics	ND	0.0606	0.202		mg/Kg-dry	1	09/14/07 03:20 PM
Surr: Tetrachlorethene	112	0	70-134		%REC	1	09/14/07 03:20 PM
PERCENT MOISTURE		**D2216**					Analyst: **TPO**
Percent Moisture	4.73	0	0	N	WT%	1	09/14/07 05:00 PM

Qualifiers:

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0709102
Project: Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_070917A

Sample ID: **LCS-27242**	Batch ID: **27242**	TestNo: **M8015D**	Units: **mg/Kg**
SampType: **LCS**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 1:10:13 PM**	Prep Date: **9/17/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	183	10.0	250.0	0	73.1	50	114			
Surr: o-Terphenyl	12.7		15.00		84.9	47	142			
Surr: Octacosane	10.4		15.00		69.3	25	162			

Sample ID: **MB-27242**	Batch ID: **27242**	TestNo: **M8015D**	Units: **mg/Kg**
SampType: **MBLK**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 1:30:03 PM**	Prep Date: **9/17/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	ND	10.0								
TPH-ORO >C28-C35	ND	10.0								
Surr: o-Terphenyl	11.2		15.00		74.6	47	142			
Surr: Octacosane	8.62		15.00		57.5	25	162			

Sample ID: **0709102-03A-MS**	Batch ID: **27242**	TestNo: **M8015D**	Units: **mg/Kg-dry**
SampType: **MS**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 3:08:40 PM**	Prep Date: **9/17/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	130	10.2	255.3	12.98	45.7	50	114			S
Surr: o-Terphenyl	10.5		15.32		68.3	47	142			
Surr: Octacosane	9.37		15.32		61.2	25	162			

Sample ID: **0709102-03A-MSD**	Batch ID: **27242**	TestNo: **M8015D**	Units: **mg/Kg-dry**
SampType: **MSD**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 3:15:12 PM**	Prep Date: **9/17/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	145	10.1	253.3	12.98	52.3	50	114	11.5	30	
Surr: o-Terphenyl	11.2		15.20		73.8	47	142	0	0	
Surr: Octacosane	10.5		15.20		68.8	25	162	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0709102
Project: Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC15_070917A

Sample ID: **ICV-070917**	Batch ID: **R33682**	TestNo: **M8015D**	Units: **mg/Kg**
SampType: **ICV**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 1:03:29 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	1120	10.0	1000	0	112	85	115			
TPH-ORO >C28-C35	0.937	10.0	0							
Surr: o-Terphenyl	53.4		60.00		89.1	47	142			
Surr: Octacosane	47.3		60.00		78.8	25	162			

Sample ID: **CCV1-070917**	Batch ID: **R33682**	TestNo: **M8015D**	Units: **mg/Kg**
SampType: **CCV**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 2:35:44 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	514	10.0	500.0	0	103	85	115			
TPH-ORO >C28-C35	2.75	10.0	0							
Surr: o-Terphenyl	32.2		30.00		107	47	142			
Surr: Octacosane	34.9		30.00		116	25	162			

Sample ID: **CCV2-070917**	Batch ID: **R33682**	TestNo: **M8015D**	Units: **mg/Kg**
SampType: **CCV**	Run ID: **GC15_070917A**	Analysis Date: **9/17/2007 3:28:19 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
TPH-DRO C10-C28	552	10.0	500.0	0	110	85	115			
TPH-ORO >C28-C35	3.15	10.0	0							
Surr: o-Terphenyl	32.3		30.00		108	47	142			
Surr: Octacosane	36.6		30.00		122	25	162			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0709102
Project: Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_070914A

Sample ID: **LCS-27220**	Batch ID: **27220**	TestNo: **M8015V**	Units: **mg/Kg**
SampType: **LCS**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 10:13:00 AM**	Prep Date: **9/14/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.23	0.200	5.000	0	105	68	126			
Surr: Tetrachlorethene	0.442		0.4000		111	70	134			

Sample ID: **MB-27220**	Batch ID: **27220**	TestNo: **M8015V**	Units: **mg/Kg**
SampType: **MBLK**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 10:35:04 AM**	Prep Date: **9/14/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	ND	0.200								
Surr: Tetrachlorethene	0.465		0.4000		116	70	134			

Sample ID: **0709102-01AMS**	Batch ID: **27220**	TestNo: **M8015V**	Units: **mg/Kg-dry**
SampType: **MS**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 11:19:15 AM**	Prep Date: **9/14/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.62	0.197	4.922	0	93.8	68	126			
Surr: Tetrachlorethene	0.411		0.3938		104	70	134			

Sample ID: **0709102-01AMSD**	Batch ID: **27220**	TestNo: **M8015V**	Units: **mg/Kg-dry**
SampType: **MSD**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 11:41:11 AM**	Prep Date: **9/14/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	4.48	0.190	4.743	0	94.5	68	126	3.02	30	
Surr: Tetrachlorethene	0.397		0.3794		105	70	134	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0709102
Project: Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC4_070914A

Sample ID: **ICV-070914**	Batch ID: **R33661**	TestNo: **M8015V**	Units: **mg/Kg**
SampType: **ICV**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 9:51:04 AM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	11.0	0.200	10.00	0	110	85	115			
Surr: Tetrachlorethene	0.439		0.4000		110	74	138			

Sample ID: **CCV1-070914**	Batch ID: **R33661**	TestNo: **M8015V**	Units: **mg/Kg**
SampType: **CCV**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 1:52:40 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.24	0.200	5.000	0	105	85	115			
Surr: Tetrachlorethene	0.448		0.4000		112	74	138			

Sample ID: **CCV2-070914**	Batch ID: **R33661**	TestNo: **M8015V**	Units: **mg/Kg**
SampType: **CCV**	Run ID: **GC4_070914A**	Analysis Date: **9/14/2007 6:16:07 PM**	Prep Date:

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics	5.32	0.200	5.000	0	106	85	115			
Surr: Tetrachlorethene	0.446		0.4000		112	74	138			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0709102
Project: Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: PMOIST_070914A

Sample ID: **0709102-10A DUP**	Batch ID: **PMOIST_070914A**	TestNo: **D2216**	Units: **WT%**
SampType: **DUP**	Run ID: **PMOIST_070914A**	Analysis Date: **9/14/2007 5:00:00 PM**	Prep Date: **9/14/2007**

Analyte	Result	RL	SPK value	Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Percent Moisture	4.44	0	0	4.728				6.17	30	N

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 560-6396-1

Job Description: Friscoe State "A"

For:
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Attention: Ms. Michelle Green

Julie Darrow
Project Manager I
jdarrow@stl-inc.com
09/20/2007

The test results entered in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in the report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Corpus Christi Certifications and Approvals: NELAC TX T104704210-06-TX, NELAC KS E-10362, Oklahoma 9968, USDA Soil Permit S-42935 Revised.

Aromatic Volatile Organic (BTEX) Analysis

Sample 560-6396-8 was analyzed for BTEX analysis using EPA Method 8021B in batch 560-14929. The percent recovery results for the surrogates associated with sample 8 were below the acceptance criteria for 4-bromochlorobenzene (BFB) and trifluorotoluene (TFT). Evidence of matrix interference is present in sample 8; therefore, re-extraction and /or re-analysis was not performed. The method blank and LCS were within acceptable limits and the data are therefore reported.

Samples 560-6396-10 and 11 were analyzed for BTEX analysis using EPA Method 8021B in batch 560-14940. Samples 10 and 11 required dilution due to the nature of the sample matrix. The reporting limits are therefore elevated. In addition, no matrix spike or matrix spike duplicate was analyzed in this analysis batch due the nature of the samples. The method blank and LCS were within acceptable limits. Furthermore, the percent recovery results for the surrogates associated with samples 10 and 11 were outside the acceptance criteria for 4-bromofluorobenzene (BFB). The method blank and LCS were within acceptable limits and the out of control data are due to matrix interference. The data are therefore reported.

Diesel Range Organics (DRO) Analysis

Samples 560-6396-1 through 11 were analyzed for DRO using EPA Method 8015B in batch 560-36205. The percent recovery results for the matrix spike and matrix spike duplicate associated with this batch and sample 1 was below the acceptance criteria. The method blank and LCS were within acceptable limits and the out of control data is due to high target analyte concentration. The method blank and LCS were within acceptable limits and the data are therefore reported. In addition, the surrogates associated with samples 1 through 11 were not able to be evaluated due to the level of required sample dilution. The method blank and LCS were withins acceptable limits and the data are therefore reported.

No other analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6396-1	**LOC1 0-1**					
Gasoline Range Organics (GRO)-C6-C10		0.43		0.099	mg/Kg	8015M
C10-C28		4000		130	mg/Kg	8015B
Soluble						
Chloride-S		15		5.0	mg/Kg	300.0
560-6396-2	**LOC1 1-2**					
Gasoline Range Organics (GRO)-C6-C10		0.80		0.10	mg/Kg	8015M
C10-C28		6700		130	mg/Kg	8015B
Soluble						
Chloride-S		65		5.0	mg/Kg	300.0
560-6396-3	**LOC1 2-3**					
Gasoline Range Organics (GRO)-C6-C10		0.37		0.10	mg/Kg	8015M
Ethylbenzene		0.0046		0.0044	mg/Kg	8021B
Xylenes, Total		0.0070	J	0.013	mg/Kg	8021B
C10-C28		3300		200	mg/Kg	8015B
Soluble						
Chloride-S		80		5.0	mg/Kg	300.0
560-6396-4	**LOC1 3-4**					
Gasoline Range Organics (GRO)-C6-C10		0.15		0.099	mg/Kg	8015M
C10-C28		230		66	mg/Kg	8015B
Soluble						
Chloride-S		92		5.0	mg/Kg	300.0
560-6396-5	**LOC1 4-5**					
C10-C28		300		66	mg/Kg	8015B
Soluble						
Chloride-S		8.1		5.0	mg/Kg	300.0
560-6396-6	**LOC1 5-6**					
C10-C28		540		66	mg/Kg	8015B
Soluble						
Chloride-S		29		5.0	mg/Kg	300.0

EXECUTIVE SUMMARY - Detections

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
560-6396-7	**LOC1 6-7**					
Gasoline Range Organics (GRO)-C6-C10		0.42		0.10	mg/Kg	8015M
C10-C28		3100		66	mg/Kg	8015B
Soluble						
Chloride-S		12		5.0	mg/Kg	300.0
560-6396-8	**LOC1 7-8**					
Gasoline Range Organics (GRO)-C6-C10		0.24		0.098	mg/Kg	8015M
C10-C28		1500		66	mg/Kg	8015B
Soluble						
Chloride-S		8.2		5.0	mg/Kg	300.0
560-6396-9	**LOC1 8-9**					
Gasoline Range Organics (GRO)-C6-C10		0.99		0.097	mg/Kg	8015M
C10-C28		730		66	mg/Kg	8015B
Soluble						
Chloride-S		9.2		5.0	mg/Kg	300.0
560-6396-10	**LOC1 9-10**					
Gasoline Range Organics (GRO)-C6-C10		130	B	5.0	mg/Kg	8015M
Xylenes, Total		0.89	J	2.6	mg/Kg	8021B
C10-C28		9400		330	mg/Kg	8015B
Soluble						
Chloride-S		21		5.0	mg/Kg	300.0
560-6396-11	**LOC110-11**					
Gasoline Range Organics (GRO)-C6-C10		940	B	50	mg/Kg	8015M
Ethylbenzene		3.2		0.44	mg/Kg	8021B
Xylenes, Total		31		2.6	mg/Kg	8021B
C10-C28		8500		330	mg/Kg	8015B
Soluble						
Chloride-S		34		5.0	mg/Kg	300.0

METHOD SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
GRO by 8015M	TAL PEN	SW846 8015M	
Closed System Purge & Trap/Field Preservation	TAL PEN		SW846 5035
Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD	TAL CC	SW846 8021B	
Purge and Trap for Methanol Extractions	TAL CC		SW846 5030B
Purge and Trap for Solids	TAL CC		SW846 5030B
Nonhalogenated Organics using GC/FID -Modified (Diesel Range Organics)	TAL TAL	SW846 8015B	
Ultrasonic Extraction	TAL TAL		SW846 3550B
Anions by Ion Chromatography	TAL CC	MCAWW 300.0	
Deionized Water Leaching Procedure (Routine)	TAL CC		ASTM DI Leach

Lab References:

TAL CC = TestAmerica Corpus Christi

TAL PEN = TestAmerica Pensacola

TAL TAL = TestAmerica Tallahassee

Method References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method	Analyst	Analyst ID
SW846 8015M	Harris, John	JH
SW846 8015M	Potts, Charles	CP
SW846 8021B	Gonzales, Roman J	RJG
SW846 8021B	Haas, Richard	RH
SW846 8015B	Thomas, Martin L	MLT
MCAWW 300.0	Alvarez, Tracy L	TLA

SAMPLE SUMMARY

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
560-6396-1	LOC1 0-1	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-2	LOC1 1-2	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-3	LOC1 2-3	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-4	LOC1 3-4	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-5	LOC1 4-5	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-6	LOC1 5-6	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-7	LOC1 6-7	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-8	LOC1 7-8	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-9	LOC1 8-9	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-10	LOC1 9-10	Soil	09/04/2007 0000	09/06/2007 0836
560-6396-11	LOC110-11	Soil	09/04/2007 0000	09/06/2007 0836

SAMPLE RESULTS

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6396-1

Client Sample ID: LOC1 0-1
Lab Sample ID: 560-6396-1

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1122		
Prep Method: 5030B			Date Prepared:	09/06/2007 1122		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	57		%		51 - 127	
Trifluorotoluene (Surr)	63		%		50 - 129	

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6396-1

Client Sample ID: LOC1 0-1
Lab Sample ID: 560-6396-1

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/09/2007 0746	
Prep Method: 5035			Date Prepared:		09/08/2007 1236	
Gasoline Range Organics (GRO)-C6-C10	0.43		mg/Kg	0.033	0.099	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	100		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1821	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	4000		mg/Kg	40	130	40
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	15		mg/Kg	1.4	5.0	1.0

Ms. Michelle Green
Larson & Associates, Inc.
507 N Marienfeld
Suite 202
Midland, TX 79701

Job Number: 560-6396-1

Client Sample ID: LOC1 1-2
Lab Sample ID: 560-6396-2

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 2015		
Prep Method: 5030B			Date Prepared:	09/06/2007 2015		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	75		%		51 - 127	
Trifluorotoluene (Surr)	64		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 1-2
Lab Sample ID: 560-6396-2

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/09/2007 0845	
Prep Method: 5035			Date Prepared:		09/08/2007 1236	
Gasoline Range Organics (GRO)-C6-C10	0.80		mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	100		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1857	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	6700		mg/Kg	40	130	40
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	65		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 2-3
Lab Sample ID: 560-6396-3

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1227		
Prep Method: 5030B			Date Prepared:	09/06/2007 1227		
Benzene	0.0017	U	mg/Kg	0.0017	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0046		mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0070	J	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	65		%		51 - 127	
Trifluorotoluene (Surr)	74		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 2-3
Lab Sample ID: 560-6396-3

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/09/2007 0945	
Prep Method: 5035			Date Prepared:		09/08/2007 1236	
Gasoline Range Organics (GRO)-C6-C10	0.37		mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	97		%		60 - 134	
Method: 8015B			Date Analyzed:		09/12/2007 0818	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	3300		mg/Kg	60	200	60
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	80		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 3-4
Lab Sample ID: 560-6396-4

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1255		
Prep Method: 5030B			Date Prepared:	09/06/2007 1255		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	108		%		51 - 127	
Trifluorotoluene (Surr)	101		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 3-4
Lab Sample ID: 560-6396-4

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1458	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.15		mg/Kg	0.033	0.099	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	99		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1825	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	230		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	92		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 4-5
Lab Sample ID: 560-6396-5

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1323		
Prep Method: 5030B			Date Prepared:	09/06/2007 1323		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0057	U	mg/Kg	0.0057	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	91		%		51 - 127	
Trifluorotoluene (Surr)	94		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 4-5
Lab Sample ID: 560-6396-5

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1557	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.033	U	mg/Kg	0.033	0.099	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	100		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1809	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	300		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	8.1		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 5-6
Lab Sample ID: 560-6396-6

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1402		
Prep Method: 5030B			Date Prepared:	09/06/2007 1402		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	78		%		51 - 127	
Trifluorotoluene (Surr)	87		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 5-6
Lab Sample ID: 560-6396-6

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1657	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.033	U	mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	98		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1753	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	540		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	29		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 6-7
Lab Sample ID: 560-6396-7

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1430		
Prep Method: 5030B			Date Prepared:	09/06/2007 1430		
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	67		%		51 - 127	
Trifluorotoluene (Surr)	74		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 6-7
Lab Sample ID: 560-6396-7

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1756	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.42		mg/Kg	0.033	0.10	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	101		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1737	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	3100		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	12		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 7-8
Lab Sample ID: 560-6396-8

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:	09/06/2007 1458		
Prep Method: 5030B			Date Prepared:	09/06/2007 1458		
Benzene	0.0016	U	mg/Kg	0.0016	0.0044	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0044	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0044	1.0
Xylenes, Total	0.0058	U	mg/Kg	0.0058	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	43	X	%		51 - 127	
Trifluorotoluene (Surr)	46	X	%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 7-8
Lab Sample ID: 560-6396-8

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1856	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.24		mg/Kg	0.032	0.098	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	101		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1722	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	1500		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	8.2		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 8-9
Lab Sample ID: 560-6396-9

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	MQL	Dilution
Method: 8021B			Date Analyzed:		09/06/2007 1700	
Prep Method: 5030B			Date Prepared:		09/06/2007 1700	
Benzene	0.0016	U	mg/Kg	0.0016	0.0043	1.0
Toluene	0.0018	U	mg/Kg	0.0018	0.0043	1.0
Ethylbenzene	0.0019	U	mg/Kg	0.0019	0.0043	1.0
Xylenes, Total	0.0057	U	mg/Kg	0.0057	0.013	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	71		%		51 - 127	
Trifluorotoluene (Surr)	71		%		50 - 129	

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Job Number: 560-6396-1

Client Sample ID: LOC1 8-9
Lab Sample ID: 560-6396-9

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/10/2007 1955	
Prep Method: 5035			Date Prepared:		09/10/2007 0945	
Gasoline Range Organics (GRO)-C6-C10	0.99		mg/Kg	0.032	0.097	1.0
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	99		%		60 - 134	
Method: 8015B			Date Analyzed:		09/11/2007 1804	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	730		mg/Kg	20	66	20
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	9.2		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC1 9-10
Lab Sample ID: 560-6396-10

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/12/2007 0630	
Prep Method: 5035			Date Prepared:		09/11/2007 1100	
Gasoline Range Organics (GRO)-C6-C10	130	B	mg/Kg	1.7	5.0	50
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	109		%		60 - 134	
Method: 8021B			Date Analyzed:		09/06/2007 1656	
Prep Method: 5030B			Date Prepared:		09/06/2007 0800	
Benzene	0.043	U	mg/Kg	0.043	0.44	1.0
Toluene	0.044	U	mg/Kg	0.044	0.87	1.0
Ethylbenzene	0.042	U	mg/Kg	0.042	0.44	1.0
Xylenes, Total	0.89	J	mg/Kg	0.11	2.6	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	38	X	%		47 - 120	
Trifluorotoluene (Surr)	57		%		35 - 132	
Method: 8015B			Date Analyzed:		09/11/2007 1622	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	9400		mg/Kg	100	330	100
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	21		mg/Kg	1.4	5.0	1.0

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Job Number: 560-6396-1

Client Sample ID: LOC110-11
Lab Sample ID: 560-6396-11

Date Sampled: 09/04/2007 0000
Date Received: 09/06/2007 0836
Client Matrix: Soil

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8015M			Date Analyzed:		09/12/2007 1246	
Prep Method: 5035			Date Prepared:		09/11/2007 1100	
Gasoline Range Organics (GRO)-C6-C10	940	B	mg/Kg	16	50	500
Surrogate					Acceptance Limits	
a,a,a-Trifluorotoluene (fid)	122		%		60 - 134	
Method: 8021B			Date Analyzed:		09/06/2007 1724	
Prep Method: 5030B			Date Prepared:		09/06/2007 0800	
Benzene	0.043	U	mg/Kg	0.043	0.44	1.0
Toluene	0.044	U	mg/Kg	0.044	0.87	1.0
Ethylbenzene	3.2		mg/Kg	0.042	0.44	1.0
Xylenes, Total	31		mg/Kg	0.11	2.6	1.0
Surrogate					Acceptance Limits	
4-Bromofluorobenzene (Surr)	444	X	%		47 - 120	
Trifluorotoluene (Surr)	57		%		35 - 132	
Method: 8015B			Date Analyzed:		09/11/2007 1838	
Prep Method: 3550B			Date Prepared:		09/11/2007 1100	
C10-C28	8500		mg/Kg	100	330	100
Surrogate					Acceptance Limits	
o-Terphenyl	0	X	%		32 - 179	
Method: Soluble-300.0			Date Analyzed:		09/06/2007 1145	
Chloride	34		mg/Kg	1.4	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Lab Section	Qualifier	Description
GC VOA		
	B	Compound was found in the blank and sample.
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
GC Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
	X	Surrogate exceeds the control limits
General Chemistry		
	U	Indicates the analyte was analyzed for but not detected.

QUALITY CONTROL RESULTS

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:560-14929					
LCS 560-14929/1	Lab Control Spike	T	Solid	8021B	
MB 560-14929/2	Method Blank	T	Solid	8021B	
560-6396-1	LOC1 0-1	T	Solid	8021B	
560-6396-2	LOC1 1-2	T	Solid	8021B	
560-6396-3	LOC1 2-3	T	Solid	8021B	
560-6396-4	LOC1 3-4	T	Solid	8021B	
560-6396-5	LOC1 4-5	T	Solid	8021B	
560-6396-6	LOC1 5-6	T	Solid	8021B	
560-6396-7	LOC1 6-7	T	Solid	8021B	
560-6396-8	LOC1 7-8	T	Solid	8021B	
560-6396-9	LOC1 8-9	T	Solid	8021B	
Analysis Batch:560-14940					
LCS 560-14941/1-A	Lab Control Spike	T	Solid	8021B	560-14941
MB 560-14941/2-A	Method Blank	T	Solid	8021B	560-14941
560-6396-10	LOC1 9-10	T	Solid	8021B	560-14941
560-6396-11	LOC110-11	T	Solid	8021B	560-14941
Prep Batch: 560-14941					
LCS 560-14941/1-A	Lab Control Spike	T	Solid	5030B	
MB 560-14941/2-A	Method Blank	T	Solid	5030B	
560-6396-10	LOC1 9-10	T	Solid	5030B	
560-6396-11	LOC110-11	T	Solid	5030B	
Analysis Batch:400-55027					
LCS 400-55035/2-A	Lab Control Spike	T	Solid	8015M	400-55035
MB 400-55035/1-A	Method Blank	T	Solid	8015M	400-55035
560-6396-1	LOC1 0-1	T	Solid	8015M	400-55035
560-6396-2	LOC1 1-2	T	Solid	8015M	400-55035
560-6396-3	LOC1 2-3	T	Solid	8015M	400-55035
Prep Batch: 400-55035					
LCS 400-55035/2-A	Lab Control Spike	T	Solid	5035	
MB 400-55035/1-A	Method Blank	T	Solid	5035	
560-6396-1	LOC1 0-1	T	Solid	5035	
560-6396-2	LOC1 1-2	T	Solid	5035	
560-6396-3	LOC1 2-3	T	Solid	5035	

Client: Larson & Associates, Inc. Job Number: 560-6396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:400-55056					
LCS 400-55058/2-A	Lab Control Spike	T	Solid	8015M	400-55058
MB 400-55058/1-A	Method Blank	T	Solid	8015M	400-55058
560-6396-4	LOC1 3-4	T	Solid	8015M	400-55058
560-6396-5	LOC1 4-5	T	Solid	8015M	400-55058
560-6396-6	LOC1 5-6	T	Solid	8015M	400-55058
560-6396-6MS	Matrix Spike	T	Solid	8015M	400-55058
560-6396-6MSD	Matrix Spike Duplicate	T	Solid	8015M	400-55058
560-6396-7	LOC1 6-7	T	Solid	8015M	400-55058
560-6396-8	LOC1 7-8	T	Solid	8015M	400-55058
560-6396-9	LOC1 8-9	T	Solid	8015M	400-55058
Prep Batch: 400-55058					
LCS 400-55058/2-A	Lab Control Spike	T	Solid	5035	
MB 400-55058/1-A	Method Blank	T	Solid	5035	
560-6396-4	LOC1 3-4	T	Solid	5035	
560-6396-5	LOC1 4-5	T	Solid	5035	
560-6396-6	LOC1 5-6	T	Solid	5035	
560-6396-6MS	Matrix Spike	T	Solid	5035	
560-6396-6MSD	Matrix Spike Duplicate	T	Solid	5035	
560-6396-7	LOC1 6-7	T	Solid	5035	
560-6396-8	LOC1 7-8	T	Solid	5035	
560-6396-9	LOC1 8-9	T	Solid	5035	
Analysis Batch:400-55181					
LCS 400-55182/11-A	Lab Control Spike	T	Solid	8015M	400-55182
MB 400-55182/10-A	Method Blank	T	Solid	8015M	400-55182
560-6396-10	LOC1 9-10	T	Solid	8015M	400-55182
560-6396-11	LOC110-11	T	Solid	8015M	400-55182
Prep Batch: 400-55182					
LCS 400-55182/11-A	Lab Control Spike	T	Solid	5035	
MB 400-55182/10-A	Method Blank	T	Solid	5035	
560-6396-10	LOC1 9-10	T	Solid	5035	
560-6396-11	LOC110-11	T	Solid	5035	

Report Basis
T = Total

Client: Larson & Associates, Inc. Job Number: 560-6396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 640-36175					
LCS 640-36175/2-A	Lab Control Spike	T	Solid	3550B	
LCSD 640-36175/3-A	Lab Control Spike Duplicate	T	Solid	3550B	
MB 640-36175/1-A	Method Blank	T	Solid	3550B	
560-6396-1	LOC1 0-1	T	Solid	3550B	
560-6396-1MS	Matrix Spike	T	Solid	3550B	
560-6396-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
560-6396-2	LOC1 1-2	T	Solid	3550B	
560-6396-3	LOC1 2-3	T	Solid	3550B	
560-6396-4	LOC1 3-4	T	Solid	3550B	
560-6396-5	LOC1 4-5	T	Solid	3550B	
560-6396-6	LOC1 5-6	T	Solid	3550B	
560-6396-7	LOC1 6-7	T	Solid	3550B	
560-6396-8	LOC1 7-8	T	Solid	3550B	
560-6396-9	LOC1 8-9	T	Solid	3550B	
560-6396-10	LOC1 9-10	T	Solid	3550B	
560-6396-11	LOC110-11	T	Solid	3550B	
Analysis Batch:640-36204					
LCS 640-36175/2-A	Lab Control Spike	T	Solid	8015B	640-36175
LCSD 640-36175/3-A	Lab Control Spike Duplicate	T	Solid	8015B	640-36175
MB 640-36175/1-A	Method Blank	T	Solid	8015B	640-36175
560-6396-2	LOC1 1-2	T	Solid	8015B	640-36175
560-6396-4	LOC1 3-4	T	Solid	8015B	640-36175
560-6396-5	LOC1 4-5	T	Solid	8015B	640-36175
560-6396-6	LOC1 5-6	T	Solid	8015B	640-36175
560-6396-7	LOC1 6-7	T	Solid	8015B	640-36175
560-6396-8	LOC1 7-8	T	Solid	8015B	640-36175
Analysis Batch:640-36205					
560-6396-1	LOC1 0-1	T	Solid	8015B	640-36175
560-6396-1MS	Matrix Spike	T	Solid	8015B	640-36175
560-6396-1MSD	Matrix Spike Duplicate	T	Solid	8015B	640-36175
560-6396-9	LOC1 8-9	T	Solid	8015B	640-36175
560-6396-10	LOC1 9-10	T	Solid	8015B	640-36175
560-6396-11	LOC110-11	T	Solid	8015B	640-36175
Analysis Batch:640-36206					
560-6396-3	LOC1 2-3	T	Solid	8015B	640-36175

Report Basis
T = Total

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Prep Batch: 560-14923					
LCS 560-14923/2-A	Lab Control Spike	S	Solid	DI Leach	
MB 560-14923/1-A	Method Blank	S	Solid	DI Leach	
560-6396-1	LOC1 0-1	S	Solid	DI Leach	
560-6396-2	LOC1 1-2	S	Solid	DI Leach	
560-6396-3	LOC1 2-3	S	Solid	DI Leach	
560-6396-4	LOC1 3-4	S	Solid	DI Leach	
560-6396-5	LOC1 4-5	S	Solid	DI Leach	
560-6396-6	LOC1 5-6	S	Solid	DI Leach	
560-6396-6MS	Matrix Spike	S	Solid	DI Leach	
560-6396-6MSD	Matrix Spike Duplicate	S	Solid	DI Leach	
560-6396-7	LOC1 6-7	S	Solid	DI Leach	
560-6396-8	LOC1 7-8	S	Solid	DI Leach	
560-6396-9	LOC1 8-9	S	Solid	DI Leach	
560-6396-10	LOC1 9-10	S	Solid	DI Leach	
560-6396-11	LOC110-11	S	Solid	DI Leach	
Analysis Batch:560-14925					
LCS 560-14923/2-A	Lab Control Spike	S	Solid	300.0	
MB 560-14923/1-A	Method Blank	S	Solid	300.0	
560-6396-1	LOC1 0-1	S	Solid	300.0	
560-6396-2	LOC1 1-2	S	Solid	300.0	
560-6396-3	LOC1 2-3	S	Solid	300.0	
560-6396-4	LOC1 3-4	S	Solid	300.0	
560-6396-5	LOC1 4-5	S	Solid	300.0	
560-6396-6	LOC1 5-6	S	Solid	300.0	
560-6396-6MS	Matrix Spike	S	Solid	300.0	
560-6396-6MSD	Matrix Spike Duplicate	S	Solid	300.0	
560-6396-7	LOC1 6-7	S	Solid	300.0	
560-6396-8	LOC1 7-8	S	Solid	300.0	
560-6396-9	LOC1 8-9	S	Solid	300.0	
560-6396-10	LOC1 9-10	S	Solid	300.0	
560-6396-11	LOC110-11	S	Solid	300.0	

Report Basis
S = Soluble

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Method Blank - Batch: 400-55035

Method: 8015M
Preparation: 5035

Lab Sample ID: MB 400-55035/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2007 1356
Date Prepared: 09/08/2007 1236

Analysis Batch: 400-55027
Prep Batch: 400-55035
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B090802.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	0.033	U	0.033	0.10

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	101	60 - 134

Lab Control Spike - Batch: 400-55035

Method: 8015M
Preparation: 5035

Lab Sample ID: LCS 400-55035/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/08/2007 1236
Date Prepared: 09/08/2007 1236

Analysis Batch: 400-55027
Prep Batch: 400-55035
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B090801.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C6-C10	1.00	0.929	93	75 - 124	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	98	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 400-55058

Method: 8015M
Preparation: 5035

Lab Sample ID: MB 400-55058/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/10/2007 1100
Date Prepared: 09/10/2007 0945

Analysis Batch: 400-55056
Prep Batch: 400-55058
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B091003.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	0.033	U	0.033	0.10

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	101	60 - 134

Lab Control Spike - Batch: 400-55058

Method: 8015M
Preparation: 5035

Lab Sample ID: LCS 400-55058/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/10/2007 0945
Date Prepared: 09/10/2007 0945

Analysis Batch: 400-55056
Prep Batch: 400-55058
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B091002.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C6-C10	1.00	0.939	94	75 - 124	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	100	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-55058

Method: 8015M
Preparation: 5035

MS Lab Sample ID:	560-6396-6	Analysis Batch: 400-55056	Instrument ID: GC/PID/FID
Client Matrix:	Solid	Prep Batch: 400-55058	Lab File ID: B091102.D
Dilution:	1.0		Initial Weight/Volume: 5.00 g
Date Analyzed:	09/11/2007 1047		Final Weight/Volume: 5 g
Date Prepared:	09/10/2007 0945		Injection Volume:
			Column ID: PRIMARY
MSD Lab Sample ID:	560-6396-6	Analysis Batch: 400-55056	Instrument ID: GC/PID/FID
Client Matrix:	Solid	Prep Batch: 400-55058	Lab File ID: B091103.D
Dilution:	1.0		Initial Weight/Volume: 5.04 g
Date Analyzed:	09/11/2007 1146		Final Weight/Volume: 5 g
Date Prepared:	09/10/2007 0945		Injection Volume:
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Gasoline Range Organics (GRO)-C6-C10	61	70	35 - 167	12	21		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	100	100	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 400-55182

Method: 8015M
Preparation: 5035

Lab Sample ID: MB 400-55182/10-A
Client Matrix: Solid
Dilution: 50
Date Analyzed: 09/12/2007 1053
Date Prepared: 09/11/2007 1100

Analysis Batch: 400-55181
Prep Batch: 400-55182
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: E091202.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Gasoline Range Organics (GRO)-C6-C10	4.8	J	1.7	5.0

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	108	60 - 134

Lab Control Spike - Batch: 400-55182

Method: 8015M
Preparation: 5035

Lab Sample ID: LCS 400-55182/11-A
Client Matrix: Solid
Dilution: 50
Date Analyzed: 09/12/2007 1923
Date Prepared: 09/11/2007 1100

Analysis Batch: 400-55181
Prep Batch: 400-55182
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: E091211.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Gasoline Range Organics (GRO)-C6-C10	10.0	11.7	117	75 - 124	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (fid)	109	60 - 134

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 560-14929

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-14929/2
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 0945
Date Prepared: 09/06/2007 0945

Analysis Batch: 560-14929
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09060703.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	MQL
Benzene	0.0019	U	0.0019	0.0050
Toluene	0.0021	U	0.0021	0.0050
Ethylbenzene	0.0022	U	0.0022	0.0050
Xylenes, Total	0.0067	U	0.0067	0.015

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	113	51 - 127
Trifluorotoluene (Surr)	100	50 - 129

Lab Control Spike - Batch: 560-14929

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-14929/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 0917
Date Prepared: 09/06/2007 0917

Analysis Batch: 560-14929
Prep Batch: N/A
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09060702.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0200	0.0194	97	76 - 128	
Toluene	0.0200	0.0188	94	71 - 124	
Ethylbenzene	0.0200	0.0185	92	73 - 122	
Xylenes, Total	0.0400	0.0382	95	73 - 133	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	115	51 - 127
Trifluorotoluene (Surr)	100	50 - 129

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 560-14941

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 560-14941/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1559
Date Prepared: 09/06/2007 0800

Analysis Batch: 560-14940
Prep Batch: 560-14941
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09060703.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Benzene	0.0049	U	0.0049	0.050
Toluene	0.0050	U	0.0050	0.10
Ethylbenzene	0.0048	U	0.0048	0.050
Xylenes, Total	0.012	U	0.012	0.30

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	80	47 - 120
Trifluorotoluene (Surr)	66	35 - 132

Lab Control Spike - Batch: 560-14941

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 560-14941/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1530
Date Prepared: 09/06/2007 0800

Analysis Batch: 560-14940
Prep Batch: 560-14941
Units: mg/Kg

Instrument ID: HP GC [Method 8021]
Lab File ID: 09060702.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 10 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	1.00	1.02	102	54 - 141	
Toluene	1.00	1.14	114	74 - 131	
Ethylbenzene	1.00	1.10	110	75 - 132	
Xylenes, Total	2.00	2.42	121	79 - 145	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	88	47 - 120
Trifluorotoluene (Surr)	78	35 - 132

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 640-36175

Method: 8015B
Preparation: 3550B

Lab Sample ID: MB 640-36175/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2007 1616
Date Prepared: 09/11/2007 1100

Analysis Batch: 640-36204
Prep Batch: 640-36175
Units: mg/Kg

Instrument ID: SGJ Varian 3400
Lab File ID: 1I11J21.d
Initial Weight/Volume: 29.99 g
Final Weight/Volume: 1.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
C10-C28	1.0	U	1.0	3.3

Surrogate	% Rec	Acceptance Limits
o-Terphenyl	56	32 - 179

Lab Control Spike/
Lab Control Spike Duplicate Recovery Report - Batch: 640-36175

Method: 8015B
Preparation: 3550B

LCS Lab Sample ID: LCS 640-36175/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2007 1624
Date Prepared: 09/11/2007 1100

Analysis Batch: 640-36204
Prep Batch: 640-36175
Units: mg/Kg

Instrument ID: SGJ Varian 3400
Lab File ID: 1I11J22.d
Initial Weight/Volume: 30.04 g
Final Weight/Volume: 1.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 640-36175/3-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/11/2007 1632
Date Prepared: 09/11/2007 1100

Analysis Batch: 640-36204
Prep Batch: 640-36175
Units: mg/Kg

Instrument ID: SGJ Varian 3400
Lab File ID: 1I11J23.d
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1.0 mL
Injection Volume: 2 uL
Column ID: PRIMARY

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C10-C28	88	86	40 - 140	3	40		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
o-Terphenyl	143	142	32 - 179

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 640-36175

Method: 8015B
Preparation: 3550B

MS Lab Sample ID:	560-6396-1	Analysis Batch: 640-36205	Instrument ID: SGH HP 5890
Client Matrix:	Solid	Prep Batch: 640-36175	Lab File ID: 1I11H27.d
Dilution:	40		Initial Weight/Volume: 30.03 g
Date Analyzed:	09/11/2007 1855		Final Weight/Volume: 1.0 mL
Date Prepared:	09/11/2007 1100		Injection Volume: 2 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	560-6396-1	Analysis Batch: 640-36205	Instrument ID: SGH HP 5890
Client Matrix:	Solid	Prep Batch: 640-36175	Lab File ID: 1I11H29.d
Dilution:	40		Initial Weight/Volume: 30.01 g
Date Analyzed:	09/11/2007 1912		Final Weight/Volume: 1.0 mL
Date Prepared:	09/11/2007 1100		Injection Volume: 2 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C10-C28	-1150	-239	40 - 140	13	40	4	4

Surrogate	MS % Rec		MSD % Rec		Acceptance Limits
o-Terphenyl	0	X	0	X	32 - 179

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Larson & Associates, Inc.

Job Number: 560-6396-1

Method Blank - Batch: 560-14925

Method: 300.0
Preparation: N/A

Lab Sample ID: MB 560-14923/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1145
Date Prepared: N/A
Date Leached: 09/06/2007 1145

Analysis Batch: 560-14925
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-14923

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloride-S	0.14	U	0.14	0.50

Lab Control Spike - Batch: 560-14925

Method: 300.0
Preparation: N/A

Lab Sample ID: LCS 560-14923/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1145
Date Prepared: N/A
Date Leached: 09/06/2007 1145

Analysis Batch: 560-14925
Prep Batch: N/A
Units: mg/Kg

Leachate Batch: 560-14923

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride-S	10.0	9.22	92	70 - 130	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 560-14925

Method: 300.0
Preparation: N/A

MS Lab Sample ID: 560-6396-6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1145
Date Prepared: N/A
Date Leached: 09/06/2007 1145

Analysis Batch: 560-14925
Prep Batch: N/A

Leachate Batch: 560-14923

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

MSD Lab Sample ID: 560-6396-6
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 09/06/2007 1145
Date Prepared: N/A
Date Leached: 09/06/2007 1145

Analysis Batch: 560-14925
Prep Batch: N/A

Leachate Batch: 560-14923

Instrument ID: No Equipment Assigned
Lab File ID: N/A
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride-S	95	96	70 - 130	1	30		

Calculations are performed before rounding to avoid round-off errors in calculated results.

DHL ANALYTICAL

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Phone (512) 388-8222 • FAX (512) 388-8229

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№ 29384 6396

CHAIN-OF-CUSTODY

CLIENT: LARSON & Assoc.
ADDRESS: Midland, TX
PHONE: _____ FAX _____
DATA REPORTED TO: Michelle Green
ADDITIONAL REPORT COPIES TO: _____

DATE: 8/4/07 PAGE 1 OF 1
PO #: _____ DHL WORK ORDER #: _____
PROJECT LOCATION OR NAME: Frisco State "A"
CLIENT PROJECT #: 7-0111 COLLECTOR: SW (300.0)

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO3	H2SO4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX X MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 X	DIESEL - MOD 8015 X	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE X ANIONS X ALKALINITY ☐	FIELD NOTES
Loc 1 0-1		8/4		S		2					X	X		X	X												X		
Loc 1 1-2																													
Loc 1 2-3																													
Loc 1 3-4																													
Loc 1 4-5																													
Loc 1 5-6																													
Loc 1 6-7																													
Loc 1 7-8																													
Loc 1 9-10																													
Loc 1 10-11																													

Please call Michelle to confirm turn around etc.

-SW

TOTAL

RELINQUISHED BY: (Signature) _____ DATE/TIME 8/4 1720 RECEIVED BY: (Signature) _____

RELINQUISHED BY: (Signature) _____ DATE/TIME 8/5 12:00 RECEIVED BY: (Signature) LSO

RELINQUISHED BY: (Signature) _____ DATE/TIME 8/6/07 0936 RECEIVED BY: (Signature) _____

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY X CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: _____ THERM #: _____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # _____
☐ APC DELIVERY
☐ HAND DELIVERED

09/20/2007

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Larson & Associates, Inc. Job Number: 560-6396-1

Login Number: 6396

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8C IR-1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

3.8°C IR-1 Recd.

№ 29384 6391

CHAIN-OF-CUSTODY

CLIENT: LARSON & Assoc.
ADDRESS: Midland, TX
PHONE: FAX
DATA REPORTED TO: Michelle Green
ADDITIONAL REPORT COPIES TO:

DATE: 8/4/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Frisco State "A"
CLIENT PROJECT #: 7-0111 COLLECTOR: SW

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I D.	DHL Lab #	Date (MB 8/5/07)	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☒ ALKALINITY ☐ (300.0)			FIELD NOTES
Loc1 0-1		8/4		S		2					X	X		X	X													X			Please call
Loc1 1-2																															Michelle to
Loc1 2-3																															confirm
Loc1 3-4																															turn around
Loc1 4-5																															etc.
Loc1 5-6																															
Loc1 6-7																															-SW
Loc1 7-8																															
Loc1 8-9																															
Loc1 9-10																															
Loc1 10-11																															
Z																															
TOTAL																															

MB 8/5/07

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	8/4 1720	[signature]
[signature]	8/5 12:00	LSO
Lone Star	8/6/07 0836	[signature]

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☒ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ______ THERM #: ______
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ______
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

STL

№ 29384

CHAIN-OF-CUSTODY

CLIENT: LARSON & Assoc.
ADDRESS: Midland, TX
PHONE: ______ FAX ______
DATA REPORTED TO: Michelle Green
ADDITIONAL REPORT COPIES TO: ______

DATE: 8/4/07 PAGE 1 OF 1
PO #: ______ DHL WORK ORDER #: ______
PROJECT LOCATION OR NAME: Frisco State "A"
CLIENT PROJECT #: 7-0111 COLLECTOR: SCJ

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☒ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☒	DIESEL - MOD 8015 ☒	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐	pH ☐ HEXAVALENT CHROMIUM ☐ CYANIDE ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☒ ANIONS ☒ ALKALINITY ☐ (300.0)				FIELD NOTES
Loc 1 0-1		8/4		S		2					X	X		X	X													X				Please call
Loc 1 1-2																																Michelle to
Loc 1 2-3																																confirm
Loc 1 3-4																																turn around
Loc 1 4-5																																etc.
Loc 1 5-6																																
Loc 1 6-7																																-SCJ
Loc 1 7-8																																
Loc 1 8-9																																
Loc 1 9-10																																
Loc 1 10-11																																
TOTAL																																

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	8/4 1920	[signature]
[signature]	8/5 12:00	[signature]

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☒ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: ______ THERM #: ______
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ______
☐ APC DELIVERY
☐ HAND DELIVERED

Analytical Report 290491

for

Larson & Associates

Project Manager: Michelle Green

Friscoe State 'A'

7-0111

02-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

02-OCT-07

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **290491**
Friscoe State 'A'
Project Address:

Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 290491. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 290491 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

Sample Cross Reference 290491

Larson & Associates, Midland, TX

Friscoe State 'A'

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
North (40')	S	Sep-28-07 13:00		290491-001
North (35')	S	Sep-28-07 13:06		290491-002
North West (35')	S	Sep-28-07 13:11		290491-003
North East (35')	S	Sep-28-07 13:15		290491-004
South West (32')	S	Sep-28-07 13:18		290491-005
South East (32')	S	Sep-28-07 13:21		290491-006
South Wall	S	Sep-28-07 13:26		290491-007
East Wall	S	Sep-28-07 13:30		290491-008
North Wall	S	Sep-28-07 13:37		290491-009
West Wall	S	Sep-28-07 13:43		290491-010

Certificate of Analysis Summary 290491

Larson & Associates, Midland, TX

Project Name: Friscoe State 'A'

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Fri Sep-28-07 04:50 pm
Report Date: 02-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	290491-001		290491-002		290491-003		290491-004		290491-005		290491-006	
	Field Id:	North (40')		North (35')		North West (35')		North East (35')		South West (32')		South East (32')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Sep-28-07 13:00		Sep-28-07 13.06		Sep-28-07 13.11		Sep-28-07 13.15		Sep-28-07 13:18		Sep-28-07 13 21	
BTEX by EPA 8021B	*Extracted:*	Oct-02-07 13:20											
	Analyzed:	Oct-02-07 14 51											
	Units/RL:	mg/kg	RL										
Benzene		ND	0 0011										
Toluene		0.0078	0 0011										
Ethylbenzene		0.0655	0 0011										
m,p-Xylene		0.3878	0 0021										
o-Xylene		0.1120	0 0011										
Total Xylenes		0 4998											
Total BTEX		0.5731											
Percent Moisture	*Extracted:*												
	Analyzed:	Sep-29-07 09:30		Sep-29-07 09:30		Sep-29-07 09:30		Sep-29-07 09.30		Sep-29-07 09:30		Sep-29-07 09 30	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		5.58	1 00	9.34	1 00	9.21	1.00	9.94	1.00	14.6	1 00	15 1	1.00
TPH by SW8015 Mod	*Extracted:*	Sep-30-07 17:03		Sep-30-07 17:03		Sep-30-07 17 03		Sep-30-07 17:03		Sep-30-07 17:03		Sep-30-07 17.03	
	Analyzed:	Sep-30-07 19:09		Sep-30-07 19.34		Sep-30-07 19:59		Sep-30-07 20 24		Sep-30-07 20.49		Sep-30-07 21 13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		505	10 6	104	11.0	ND	11 0	ND	11 1	ND	11.7	ND	11 8
C12-C28 Diesel Range Hydrocarbons		1580	10.6	496	11 0	19 8	11 0	ND	11 1	24 7	11 7	ND	11 8
Total TPH		2085		600		19 8		ND		24 7		ND	
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Sep-29-07 10:40		Sep-29-07 10:40		Sep-29-07 10.40		Sep-29-07 10 40		Sep-29-07 10 40		Sep-29-07 10 40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		45 0	5 30	70 4	5 52	70 3	5 51	82 6	5 55	49 8	5 85	188	5 89

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 290491

Larson & Associates, Midland, TX

Project Name: Friscoe State 'A'

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Fri Sep-28-07 04:50 pm
Report Date: 02-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	290491-007		290491-008		290491-009		290491-010					
	Field Id:	South Wall		East Wall		North Wall		West Wall					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Sep-28-07 13:26		Sep-28-07 13:30		Sep-28-07 13.37		Sep-28-07 13 43					
Percent Moisture	*Extracted:*												
	Analyzed:	Sep-29-07 09:30		Sep-29-07 09:30		Sep-29-07 09:30		Sep-29-07 09:30					
	Units/RL:	%	RL	%	RL	%	RL	%	RL				
Percent Moisture		9.92	1 00	7.35	1.00	4 98	1.00	8 52	1.00				
TPH by SW8015 Mod	*Extracted:*	Sep-30-07 17:03		Sep-30-07 17.03		Sep-30-07 17:03		Sep-30-07 17:03					
	Analyzed:	Sep-30-07 21:38		Sep-30-07 22:03		Sep-30-07 22:28		Sep-30-07 22.53					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		37.3	11.1	ND	10 8	43 0	10 5	36 0	10 9				
C12-C28 Diesel Range Hydrocarbons		146	11 1	120	10 8	1820	10.5	161	10.9				
Total TPH		183 3		120		1863		197					
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Sep-29-07 10:40		Sep-29-07 10:40		Sep-29-07 10:40		Sep-29-07 10.40					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		35.4	5 55	91 9	5.40	44.7	5.26	69.7	5 47				

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Lab Batch #: 705514 **Sample:** 290491-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0319	0.0300	106	80-120	
4-Bromofluorobenzene	0.0243	0.0300	81	80-120	

Lab Batch #: 705514 **Sample:** 499989-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0289	0.0300	96	80-120	
4-Bromofluorobenzene	0.0273	0.0300	91	80-120	

Lab Batch #: 705514 **Sample:** 499989-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.0312	0.0300	104	80-120	
4-Bromofluorobenzene	0.0263	0.0300	88	80-120	

Lab Batch #: 705514 **Sample:** 499989-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1,4-Difluorobenzene	0.1445	0.1500	96	80-120	
4-Bromofluorobenzene	0.1397	0.1500	93	80-120	

Lab Batch #: 705323 **Sample:** 290491-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	45.4	50.0	91	70-135	
1-Chlorooctane	46.7	50.0	93	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Lab Batch #: 705323 **Sample:** 290491-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.1	50.0	78	70-135	
1-Chlorooctane	39.4	50.0	79	70-135	

Lab Batch #: 705323 **Sample:** 290491-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	35.9	50.0	72	70-135	
1-Chlorooctane	37.3	50.0	75	70-135	

Lab Batch #: 705323 **Sample:** 290491-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.9	50.0	78	70-135	
1-Chlorooctane	40.8	50.0	82	70-135	

Lab Batch #: 705323 **Sample:** 290491-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.5	50.0	79	70-135	
1-Chlorooctane	41.3	50.0	83	70-135	

Lab Batch #: 705323 **Sample:** 290491-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.4	50.0	75	70-135	
1-Chlorooctane	39.4	50.0	79	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Lab Batch #: 705323 **Sample:** 290491-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.7	50.0	75	70-135	
1-Chlorooctane	38.9	50.0	78	70-135	

Lab Batch #: 705323 **Sample:** 290491-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.1	50.0	74	70-135	
1-Chlorooctane	38.2	50.0	76	70-135	

Lab Batch #: 705323 **Sample:** 290491-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	38.8	50.0	78	70-135	
1-Chlorooctane	40.2	50.0	80	70-135	

Lab Batch #: 705323 **Sample:** 290491-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	45.6	50.0	91	70-135	
1-Chlorooctane	45.9	50.0	92	70-135	

Lab Batch #: 705323 **Sample:** 290491-010 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	37.5	50.0	75	70-135	
1-Chlorooctane	45.4	50.0	91	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Lab Batch #: 705323 **Sample:** 290491-010 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	41.3	50.0	83	70-135	
1-Chlorooctane	46.9	50.0	94	70-135	

Lab Batch #: 705323 **Sample:** 499885-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	35.2	50.0	70	70-135	
1-Chlorooctane	43.7	50.0	87	70-135	

Lab Batch #: 705323 **Sample:** 499885-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	34.9	50.0	70	70-135	
1-Chlorooctane	36.8	50.0	74	70-135	

Lab Batch #: 705323 **Sample:** 499885-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	35.5	50.0	71	70-135	
1-Chlorooctane	43.8	50.0	88	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Lab Batch #: 705303 **Sample:** 705303-1-BKS **Matrix:** Solid

Date Analyzed: 09/29/2007 **Date Prepared:** 09/29/2007 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Chloride	ND	100	95.7	96	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Friscoe State 'A'

Work Order #: 290491 **Project ID:** 7-0111

Analyst: SHE **Date Prepared:** 10/02/2007 **Date Analyzed:** 10/02/2007

Lab Batch ID: 705514 **Sample:** 499989-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

BTEX by EPA 8021B	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Benzene	ND	0.1000	0.1014	101	0 5	0.5151	103	134	70-130	35	
Toluene	ND	0 1000	0.0999	100	0 5	0.5076	102	134	70-130	35	
Ethylbenzene	ND	0 1000	0.0997	100	0.5	0.5068	101	134	71-129	35	
m,p-Xylene	ND	0.2000	0.1993	100	1	1 014	101	134	70-135	35	
o-Xylene	ND	0.1000	0.0970	97	0 5	0.4945	99	134	71-133	35	

Analyst: SHE **Date Prepared:** 09/30/2007 **Date Analyzed:** 09/30/2007

Lab Batch ID: 705323 **Sample:** 499885-1-BKS **Batch #:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod	BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY										
Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	500	543	109	500	537	107	1	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	500	479	96	500	475	95	1	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Friscoe State 'A'

Work Order # : 290491 **Project ID:** 7-0111

Lab Batch ID: 705323 **QC- Sample ID:** 290491-010 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/01/2007 **Date Prepared:** 09/30/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	36 0	547	628	108	547	611	105	3	70-135	35	
C12-C28 Diesel Range Hydrocarbons	161	547	655	90	547	621	84	7	70-135	35	

Lab Batch ID: 705303 **QC- Sample ID:** 290491-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 09/29/2007 **Date Prepared:** 09/29/2007 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	45 0	530	541	94	530	563	98	4	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Friscoe State 'A'

Work Order #: 290491

Lab Batch #: 705301 **Project ID:** 7-0111

Date Analyzed: 09/29/2007 **Date Prepared:** 09/29/2007 **Analyst:** SHE

QC- Sample ID: 290491-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	5.58	4.83	14	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 34358

CHAIN-OF-CUSTODY

CLIENT: Larson + Associates
ADDRESS:
PHONE: 432-687-0901 FAX: 432-687-0456
DATA REPORTED TO: Michelle Green
ADDITIONAL REPORT COPIES TO

DATE: 9/28/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Friscoe State TA
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time (MST)	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4	NaOH	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
North (40')		9/28	13:00	S	8 oz	1					X	X	BTEX, TPH 418.1, TPH 1005, TPH 1006, GASOLINE MOD 8015, DIESEL MOD 8015, VOC 8260, SVOC 8270, 8081 PESTICIDES, PAH 8270, 8082 PCBS, HOLD PAH, TCLP - METALS (RCRA), 8151 HERBICIDES, TOTAL METALS (RCRA), TCLP VOC, LEAD - TOTAL, Semi VOC, HERB, OTHER LIST, RCI, TOX, D W 200.8, TCLP, TDS, TSS, FLASHPOINT, % MOISTURE, CYANIDE, PH, HEXAVALENT CHROMIUM, EXPLOSIVES, PERCHLORATE, CHLORIDE, ANIONS, ALKALINITY	2904911 -01
North (35')			13:06			1								-02
Northwest (35')			13:11			1								-03
Northeast (35')			13:15			1								-04
Southwest (32')			13:18			1								-05
Southeast (32')			13:21			1								-06
Southwall			13:26			1								-07
Eastwall			13:30			1								-08
Northwall			13:37			1								-09
Westwall			13:43			1								-10

TOTAL

RELINQUISHED BY (Signature) DATE/TIME 9/28/07 4:50pm RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH X CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ___

LABORATORY USE ONLY
RECEIVING TEMP 6.0 °C THERM # ___
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
X HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc

Date/ Time: 9 28 07 4.50

Lab ID #: 290491

Initials: GL

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	6.0 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	~~Not Present~~	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	~~Not Applicable~~	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 34358

CHAIN-OF-CUSTODY

CLIENT: Larson & Associates
ADDRESS:
PHONE: 432-687-0901 FAX 432-687-0456
DATA REPORTED TO: Michelle Green
ADDITIONAL REPORT COPIES TO:

DATE: 9/28/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Friscoe State 'A'
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 X | DIESEL - MOD 8015 X | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 X	DIESEL - MOD 8015 X	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE X ANIONS ☐ ALKALINITY ☐	290491 FIELD NOTES
North (40')		9/28	13:00 MST	S	8 oz	1				X	X			X	X												X		-01
North (35')			13:06			1																							-02
Northwest (35')			13:11			1																							-03
Northeast (35')			13:15			1																							-04
Southwest (32')			13:18			1																							-05
Southeast (32')			13:21			1																							-06
Southwall			13:26			1																							-07
Eastwall			13:30			1																							-08
Northwall			13:37			1																							-09
Westwall			13:43			1																							-10
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 9/28/07 4:50pm RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature) Andrea Jean 9-28-07 4:50

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH X ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: 6.0 °C THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
X HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.

Date/ Time: 9-28-07 4:50

Lab ID #: 290491

Initials: RL

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	6.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

REQUEST FOR ADDITIONS / CORRECTIONS FORM

No: _____

XENCO Laboratories

_____ 11381 Meadowglen, Suite L, Houston, TX 77082 (281) 589-0692
_____ 9701 Harry Hines Blvd., Dallas, TX (972) 481-9999
_____ 5332 Blackberry Drive, San Antonio, TX 78238 (210) 509-3334
_____ 5757 N.W. 158th St., Miami Lakes, FL 33014 (305) 823-8555
_____ 2618 South Falkenburg Rd., Riverview, FL 33569 (813) 620-2000
X 12600 West I-20 East Odessa, Texas 79765 (432-563-1899)

This form is a supplement to

COC No: 290491

Page 1 of 1

This information should be taken from the original COC.

Contractor: *Larson*	Phone: *432-687-0901*
Midland, TX	
Project Name: *Friscoe State A*	Project Manager: *Michelle Green*
Project Location:	
Project No.:	Project Director:

X Addition
☐ Correction
☐ Hold
☐ Cancellation
☐ No Addition

Requested By: Michelle Green D/T: 9/1/2007 13:00:00 P

Lab ID	Field ID	Date/Time	Depth	Matrix	Sample Description	BTEX 8021 Hold Time Expires:	Hold Time Expires:	Hold Time Expires:	Hold Time Expires:	Hold Time Expires:
290491-01	North 40'	9/28/2007 13:00		Soil		X				

TAT
X 24 HOURS
___ 48 HOURS
___ 3 DAYS
___ 5 DAYS
___ 7-days
Remarks

Comments:

Samples Received in Lab by: Andrea Lam

Date/Time: 9/28/2007 16:50

Matrix Legend
S = Solid P = Product
L = Liquid SI = Sludge
A = Air O =

Add Received By: Brent Barron D/T: 10/1/2007 13:00:00 PM
Add Assigned By: D/T:
Add Processed By: D/T:

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 34358

CHAIN-OF-CUSTODY

CLIENT: [illegible] Associates
ADDRESS:
PHONE: FAX:
DATA REPORTED TO: [illegible]
ADDITIONAL REPORT COPIES TO:

DATE: 9/28/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Former Site "A"
CLIENT PROJECT #: 7-0111 COLLECTOR: MR

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 ☒ | DIESEL - MOD 8015 ☒ | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES	FIELD NOTES
North (4')		9/28	1[illegible]	S	6 oz	1				X	X	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐: X; GASOLINE MOD 8015 ☒: X; TCLP - METALS (RCRA) ☐ TCLP VOC ☐: X	
North (25')		"	1[illegible]			1							
Northwest (25')		"	1[illegible]			1							
[illegible] (25')		"	1[illegible]			1							
[illegible] (2')		"	1[illegible]			1							
[illegible] (2')		"	1[illegible]			1							
[illegible]		"	1[illegible]			1							
East wall		"	1[illegible]			1							
[illegible]		"	1[illegible]			1							
[illegible]		"	1[illegible]			1							
TOTAL													

RELINQUISHED BY: (Signature) DATE/TIME 9/28/07 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☒ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: [illegible] THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # ____
☐ APC DELIVERY
☒ HAND DELIVERED

Analytical Report 290550

for

Larson & Associates

Project Manager: Michelle Green

Friscoe St. A

7-0111

02-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

02-OCT-07

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **290550**
Friscoe St. A
Project Address:

Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 290550. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 290550 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

Sample Cross Reference 290550

Larson & Associates, Midland, TX

Friscoe St. A

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
N. 45'	S	Oct-01-07 12:30		290550-001
N. 50'	S	Oct-01-07 12:47		290550-002

Certificate of Analysis Summary 290550

Larson & Associates, Midland, TX

Project Name: Friscoe St. A

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Mon Oct-01-07 03 30 pm
Report Date: 02-OCT-07
Project Manager: Brent Barron, II

Analysis Requested									
	Lab Id:	290550-001		290550-002					
	Field Id:	N. 45'		N 50'					
	Depth:								
	Matrix:	SOIL		SOIL					
	Sampled:	Oct-01-07 12.30		Oct-01-07 12:47					
Percent Moisture	*Extracted:*								
	Analyzed:	Oct-01-07 16 20		Oct-01-07 16 20					
	Units/RL:	%	RL	%	RL				
Percent Moisture		4 76	1 00	3.67	1 00				
TPH by SW8015 Mod	*Extracted:*	Oct-01-07 16 05		Oct-01-07 16.05					
	Analyzed:	Oct-01-07 22 58		Oct-01-07 23 23					
	Units/RL:	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		635	10.5	328	10.4				
C12-C28 Diesel Range Hydrocarbons		2010	10.5	1200	10.4				
C28-C35 Oil Range Hydrocarbons		166	10 5	92.3	10 4				
Total TPH		2811		1620.3					
Total Chloride by EPA 325.3	*Extracted:*								
	Analyzed:	Oct-02-07 11:15		Oct-02-07 11:15					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		67.0	5 25	55.2	5 19				

Since 1990 Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Friscoe St. A

Work Order #: 290550 **Project ID:** 7-0111

Lab Batch #: 705480 **Sample:** 290550-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	47.5	50.0	95	70-135	
1-Chlorooctane	48.0	50.0	96	70-135	

Lab Batch #: 705480 **Sample:** 290550-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	47.0	50.0	94	70-135	
1-Chlorooctane	47.6	50.0	95	70-135	

Lab Batch #: 705480 **Sample:** 290553-002 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.4	50.0	85	70-135	
1-Chlorooctane	52.6	50.0	105	70-135	

Lab Batch #: 705480 **Sample:** 290553-002 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.9	50.0	86	70-135	
1-Chlorooctane	52.7	50.0	105	70-135	

Lab Batch #: 705480 **Sample:** 499963-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	40.6	50.0	81	70-135	
1-Chlorooctane	51.4	50.0	103	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Friscoe St. A

Work Order #: 290550 **Project ID:** 7-0111

Lab Batch #: 705480 **Sample:** 499963-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	42.3	50.0	85	70-135	
1-Chlorooctane	43.2	50.0	86	70-135	

Lab Batch #: 705480 **Sample:** 499963-1-BSD / BSD **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctadecane	39.9	50.0	80	70-135	
1-Chlorooctane	50.6	50.0	101	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Friscoe St. A

Work Order #: 290550 **Project ID:** 7-0111

Lab Batch #: 705499 **Sample:** 705499-1-BKS **Matrix:** Solid

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	BLANK /BLANK SPIKE RECOVERY STUDY Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
Chloride	ND	100	97.8	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

BS / BSD Recoveries

Project Name: Friscoe St. A

Work Order #: 290550
Analyst: SHE
Lab Batch ID: 705480
Sample: 499963-1-BKS
Units: mg/kg

Date Prepared: 10/01/2007
Batch #: 1

Project ID: 7-0111
Date Analyzed: 10/01/2007
Matrix: Solid

BLANK /BLANK SPIKE / BLANK SPIKE DUPLICATE RECOVERY STUDY

TPH by SW8015 Mod Analytes	Blank Sample Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Spike Added [E]	Blank Spike Duplicate Result [F]	Blk. Spk Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	500	486	97	500	465	93	4	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	500	502	100	500	485	97	3	70-135	35	

Relative Percent Difference RPD = 200*|(D-F)/(D+F)|
Blank Spike Recovery [D] = 100*(C)/[B]
Blank Spike Duplicate Recovery [G] = 100*(F)/[E]
All results are based on MDL and Validated for QC Purposes

Form 3 - MS / MSD Recoveries

Project Name: Friscoe St. A

Work Order # : 290550 **Project ID:** 7-0111

Lab Batch ID: 705480 **QC- Sample ID:** 290553-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/02/2007 **Date Prepared:** 10/01/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	553	554	100	553	551	100	0	70-135	35	
C12-C28 Diesel Range Hydrocarbons	ND	553	558	101	553	552	100	1	70-135	35	

Lab Batch ID: 705499 **QC- Sample ID:** 290516-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/02/2007 **Date Prepared:** 10/02/2007 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	164	550	691	96	550	702	98	2	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

Relative Percent Difference RPD = 200*(D-G)/(D+G)

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Friscoe St. A

Work Order #: 290550

Lab Batch #: 705430 **Project ID:** 7-0111

Date Analyzed: 10/01/2007 **Date Prepared:** 10/01/2007 **Analyst:** RBA

QC- Sample ID: 290516-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	9.16	8.42	8	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax. 432-563-1713

Project Manager. Michelle Green — Project Name: Frisco St "A"

Company Name Larson & Associates — Project #: 7-0111

Company Address: 507 N Marienfeld Ste. 202 — Project Loc:

City/State/Zip: Midland, TX — PO #:

Telephone No: (432) 687-0901 — Fax No: — Report Format: ☐ Standard ☐ TRRP ☐ NPDES

Sampler Signature: Stu — e-mail:

(lab use only) ORDER #: 290550

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP TOTAL 8015M	TPH 418.1	TPH TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl^-, SO_4, Alkalinity)	SAR / ESP / CEC	Metals As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N O R M	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	N. 45'			10/1/07	1230		2									S		X				X					X				
02	N. 50'			10/1/07	1247		2									S		X				X					X				

Special Instructions: Please contact Michelle to verify parameters.

Relinquished by	Date	Time	Received by	Date	Time
Stu	10/1/07	1530			
Relinquished by	Date	Time	Received by	Date	Time
Relinquished by	Date	Time	Received by ELOT	Date	Time
			Jim Valdez	10/1/07	15:30

Laboratory Comments: 4-48 hr TAT

VOCs Free of Headspace?	Y	N
Custody seals on container(s)	Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?		N
by Courier? UPS DHL FedEx Lone Star		

Temperature Upon Receipt: 4.0 °C

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.

Date/ Time: 10/01/07 @ 15 30

Lab ID #: 290550

Initials: GW

Sample Receipt Checklist

				Client Initials
#1 Temperature of container/ cooler?	(Yes)	No	4.0 °C	
#2 Shipping container in good condition?	(Yes)	No		
#3 Custody Seals intact on shipping container/ cooler?	(Yes)	No	Not Present	
#4 Custody Seals intact on sample bottles/ container?	(Yes)	No	Not Present	
#5 Chain of Custody present?	(Yes)	No		
#6 Sample instructions complete of Chain of Custody?	(Yes)	No		
#7 Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8 Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9 Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10 Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11 Containers supplied by ELOT?	(Yes)	No		
#12 Samples in proper container/ bottle?	(Yes)	No	See Below	
#13 Samples properly preserved?	(Yes)	No	See Below	
#14 Sample bottles intact?	(Yes)	No		
#15 Preservations documented on Chain of Custody?	(Yes)	No		
#16 Containers documented on Chain of Custody?	(Yes)	No		
#17 Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18 All samples received within sufficient hold time?	(Yes)	No	See Below	
#19 Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20 VOC samples have zero headspace?	Yes	No	(Not Applicable)	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Michelle Green

Company Name: Larson & Associates

Company Address: 507 N. Marienfeld Ste. 202

City/State/Zip: Midland, TX

Telephone No: (432) 687-0901 Fax No:

Sampler Signature: Stu

e-mail:

Project Name: Friscoe St. A

Project #: 7-0111

Project Loc:

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)

ORDER #:

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total #. of Containers	Preservation & # of Containers: Ice	HNO_3	HCl	H_2SO_4	NaOH	$Na_2S_2O_3$	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge	GW = Groundwater S=Soil/Solid	NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, Alkalinity)	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
	N. 45'			10/1/07	1230		2									S			X											X				
	N. 50'			10/1/07	1247		2									S			X											X				

Special Instructions:

Please contact Michelle to verify parameters.

Relinquished by:	Date	Time	Received by:	Date	Time
Stu	10/1/07	1530			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
			Jim Walker	10/01/07	15:30

Laboratory Comments:

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)?	Y	N
Custody seals on container(s)?	Y	N
Custody seals on cooler(s)?	Y	N
Sample Hand Delivered by Sampler/Client Rep.?	Y	N

by Courier? UPS DHL FedEx Lone Star

Temperature Upon Receipt: 4.0 °C

Environmental Lab of Texas

A Xenco Laboratories Company

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

12600 West I-20 East
Odessa, Texas 79765

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Michelle Green

Company Name: Larson & Associates

Company Address: 507 N. Marienfeld Ste. 202

City/State/Zip: Midland, TX

Telephone No: (432) 687-0901 Fax No:

Sampler Signature: Stu e-mail:

Project Name: FRISCOE St. A

Project #: 7-0111

Project Loc:

PO #:

Report Format: ☐ Standard ☐ TRRP ☐ NPDES

(lab use only)
ORDER #: 290550

LAB # (lab use only)	FIELD CODE	Beginning Depth	Ending Depth	Date Sampled	Time Sampled	Field Filtered	Total # of Containers	Preservation & # of Containers: Ice	HNO3	HCl	H2SO4	NaOH	Na2S2O3	None	Other (Specify)	Matrix: DW=Drinking Water SL=Sludge GW=Groundwater S=Soil/Solid NP=Non-Potable Specify Other	Analyze For: TCLP: TPH: 418.1	8015M	8015B	TPH: TX 1005	TX 1006	Cations (Ca, Mg, Na, K)	TOTAL: Anions (Cl, SO4, Alkalinity) Per SMC	SAR / ESP / CEC	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030 or BTEX 8260 Hold per SMC	RCI	N.O.R.M.	RUSH TAT (Pre-Schedule) 24, 48, 72 hrs	Standard TAT
01	N. 45'			10/1/07	1230		2									S	X					X						X				
02	N. 50'			10/1/07	1247		2									S	X					X						X				

Special Instructions:
Please contact Michelle to verify parameters.

Relinquished by:	Date	Time	Received by:	Date	Time
Stu	10/1/07	1530			
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by ELOT: Christal	10/01/07	15:30

Laboratory Comments: 4 - 4.0°C

Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N
Labels on container(s)	Y	N
Custody seals on container(s)	Y	N
Custody seals on cooler(s)	N/A Y	N
Sample Hand Delivered	Y	N
by Sampler/Client Rep. ?	Y	N
by Courier? UPS DHL FedEx Lone Star		
Temperature Upon Receipt: 4.0 °C		

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.

Date/ Time: 10/01/07 @ 15:30

Lab ID # : 290550

Initials: JMA

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	4.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

Analytical Report 291164

for

Larson & Associates

Project Manager: Michelle Green

Frisco State A Battery

7-0111

16-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

16-OCT-07

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **291164**
Frisco State A Battery
Project Address:

Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 291164. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

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We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

Sample Cross Reference 291164

Larson & Associates, Midland, TX

Frisco State A Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH # 3, 0'	S	Oct-11-07 08:05		291164-001
BH # 3, 10'	S	Oct-11-07 08:15		291164-002
BH # 3, 20'	S	Oct-11-07 08:25		291164-003
BH # 3, 30'	S	Oct-11-07 08:40		291164-004
BH # 3, 40'	S	Oct-11-07 08:50		291164-005
BH # 3, 50'	S	Oct-11-07 09:00		291164-006
BH # 4, 0'	S	Oct-11-07 09:10		291164-007
BH # 4, 10'	S	Oct-11-07 09:23		291164-008
BH # 4, 20'	S	Oct-11-07 09:35		291164-009
BH # 4, 30'	S	Oct-11-07 09:47		291164-010
BH # 4, 40'	S	Oct-11-07 09:55		291164-011
BH # 5, 0'	S	Oct-11-07 10:40		291164-012
BH # 5, 10'	S	Oct-11-07 11:00		291164-013
BH # 5, 20'	S	Oct-11-07 11:10		291164-014
BH # 5, 30'	S	Oct-11-07 11:25		291164-015
BH # 5, 40'	S	Oct-11-07 11:35		291164-016

Certificate of Analysis Summary 291164

Larson & Associates, Midland, TX

Project Name: Frisco State A Battery

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Fri Oct-12-07 09:22 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291164-001		291164-002		291164-003		291164-004		291164-005		291164-006	
	Field Id:	BH # 3, 0'		BH # 3, 10'		BH # 3, 20'		BH # 3, 30'		BH # 3, 40'		BH # 3, 50'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-11-07 08:05		Oct-11-07 08:15		Oct-11-07 08 25		Oct-11-07 08:40		Oct-11-07 08:50		Oct-11-07 09 00	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-12-07 12 23		Oct-12-07 12:23		Oct-12-07 12 23		Oct-12-07 12 23		Oct-12-07 12.23		Oct-12-07 12 23	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		4 11	1.00	6.68	1.00	9.56	1 00	3 85	1.00	1.30	1 00	1 73	1.00
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13.40		Oct-12-07 13:40		Oct-12-07 13.40		Oct-12-07 13 40		Oct-12-07 13 40		Oct-12-07 13 40	
	Analyzed:	Oct-13-07 07:42		Oct-13-07 08.08		Oct-13-07 08.33		Oct-13-07 08 59		Oct-13-07 09 24		Oct-13-07 09:49	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	10.4	ND	10.7	ND	11.1	ND	10 4	ND	10.1	ND	10 2
C12-C28 Diesel Range Hydrocarbons		12 5	10 4	11.1	10.7	ND	11 1	11.7	10 4	ND	10 1	ND	10 2
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-12-07 13:45		Oct-12-07 13 45		Oct-12-07 13 45		Oct-12-07 13:45		Oct-12-07 13.45		Oct-12-07 13 45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		128	5 00	42.5	5 00	191	5.00	128	5 00	85 1	5 00	42 5	5 00

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 291164

Larson & Associates, Midland, TX

Project Name: Frisco State A Battery

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Fri Oct-12-07 09:22 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291164-007		291164-008		291164-009		291164-010		291164-011		291164-012	
	Field Id:	BH # 4, 0'		BH # 4, 10'		BH # 4, 20'		BH # 4, 30'		BH # 4, 40'		BH # 5, 0'	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-11-07 09 10		Oct-11-07 09:23		Oct-11-07 09:35		Oct-11-07 09:47		Oct-11-07 09:55		Oct-11-07 10.40	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-12-07 12:23		Oct-12-07 12:23		Oct-12-07 12 23		Oct-12-07 12.23		Oct-12-07 12 23		Oct-12-07 12:23	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		3.07	1.00	6.81	1.00	2.68	1.00	5 08	1.00	2 12	1 00	4 52	1.00
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13.40		Oct-12-07 13:40		Oct-12-07 13.40		Oct-12-07 13:40		Oct-12-07 13 40		Oct-12-07 13 40	
	Analyzed:	Oct-13-07 10 14		Oct-13-07 10 39		Oct-13-07 11.30		Oct-13-07 11.56		Oct-13-07 12.21		Oct-13-07 12.47	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	10.3	ND	10 7	ND	10 3	ND	10.5	59 4	10 2	ND	10 5
C12-C28 Diesel Range Hydrocarbons		53.7	10.3	16.2	10.7	ND	10 3	ND	10.5	1260	10 2	ND	10.5
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-12-07 13:45		Oct-12-07 13:45		Oct-12-07 13:45		Oct-12-07 13:45		Oct-12-07 13.45		Oct-12-07 13.45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		42.5	5 00	85.1	5 00	63 8	5 00	170	5.00	95.7	5.00	53 2	5 00

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 291164

Larson & Associates, Midland, TX

Project Name: Frisco State A Battery

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Fri Oct-12-07 09 22 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291164-013		291164-014		291164-015		291164-016					
	Field Id:	BH # 5, 10'		BH # 5, 20'		BH # 5, 30'		BH # 5, 40'					
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Oct-11-07 11:00		Oct-11-07 11:10		Oct-11-07 11:25		Oct-11-07 11.35					
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-12-07 12.23		Oct-12-07 12:23		Oct-12-07 12 23		Oct-12-07 12:50					
	Units/RL:	%	RL	%	RL	%	RL	%	RL				
Percent Moisture		8 87	1 00	4 96	1 00	3.19	1 00	1 73	1.00				
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13:40		Oct-12-07 13:40		Oct-12-07 13.40		Oct-12-07 13.40					
	Analyzed:	Oct-13-07 13 12		Oct-13-07 13.38		Oct-13-07 14 04		Oct-13-07 14:29					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
C6-C12 Gasoline Range Hydrocarbons		ND	11.0	ND	10.5	ND	10.3	ND	10.2				
C12-C28 Diesel Range Hydrocarbons		ND	11.0	ND	10 5	74 1	10 3	ND	10.2				
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-12-07 13:45		Oct-12-07 13:45		Oct-12-07 13.45		Oct-12-07 13:45					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		128	5.00	42.5	5.00	42 5	5.00	42.5	5.00				

Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch #: 706408 **Sample:** 291164-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	98.3	100	98	70-135	
o-Terphenyl	49.0	50.0	98	70-135	

Lab Batch #: 706408 **Sample:** 291164-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	54.1	50.0	108	70-135	

Lab Batch #: 706408 **Sample:** 291164-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	125	100	125	70-135	
o-Terphenyl	58.9	50.0	118	70-135	

Lab Batch #: 706408 **Sample:** 291164-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.4	100	95	70-135	
o-Terphenyl	47.5	50.0	95	70-135	

Lab Batch #: 706408 **Sample:** 291164-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.8	100	94	70-135	
o-Terphenyl	46.7	50.0	93	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch #: 706408 **Sample:** 291164-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.8	100	97	70-135	
o-Terphenyl	46.5	50.0	93	70-135	

Lab Batch #: 706408 **Sample:** 291164-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.3	100	91	70-135	
o-Terphenyl	43.3	50.0	87	70-135	

Lab Batch #: 706408 **Sample:** 291164-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.6	100	90	70-135	
o-Terphenyl	42.7	50.0	85	70-135	

Lab Batch #: 706408 **Sample:** 291164-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.0	100	92	70-135	
o-Terphenyl	45.1	50.0	90	70-135	

Lab Batch #: 706408 **Sample:** 291164-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	49.4	50.0	99	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch #: 706408 **Sample:** 291164-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.4	100	95	70-135	
o-Terphenyl	46.5	50.0	93	70-135	

Lab Batch #: 706408 **Sample:** 291164-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.4	100	93	70-135	
o-Terphenyl	46.3	50.0	93	70-135	

Lab Batch #: 706408 **Sample:** 291164-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.2	100	90	70-135	
o-Terphenyl	45.4	50.0	91	70-135	

Lab Batch #: 706408 **Sample:** 291164-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.5	100	94	70-135	
o-Terphenyl	45.5	50.0	91	70-135	

Lab Batch #: 706408 **Sample:** 291164-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.5	100	93	70-135	
o-Terphenyl	46.5	50.0	93	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch #: 706408 **Sample:** 291164-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.9	100	95	70-135	
o-Terphenyl	47.0	50.0	94	70-135	

Lab Batch #: 706408 **Sample:** 291164-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	94.1	100	94	70-135	
o-Terphenyl	47.2	50.0	94	70-135	

Lab Batch #: 706408 **Sample:** 291164-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	96.3	100	96	70-135	
o-Terphenyl	47.6	50.0	95	70-135	

Lab Batch #: 706408 **Sample:** 500406-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	106	100	106	70-135	
o-Terphenyl	43.7	50.0	87	70-135	

Lab Batch #: 706408 **Sample:** 500406-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	102	100	102	70-135	
o-Terphenyl	51.8	50.0	104	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch #: 706408 **Sample:** 500406-1-BKS **Matrix:** Solid

Date Analyzed: 10/13/2007 **Date Prepared:** 10/12/2007 **Analyst:** SHE

Reporting Units: mg/kg **Batch #:** 1

TPH by SW8015 Mod Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
C6-C12 Gasoline Range Hydrocarbons	ND	1000	990	99	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	1000	979	98	70-135	

Lab Batch #: 706284 **Sample:** 706284-1-BKS **Matrix:** Solid

Date Analyzed: 10/12/2007 **Date Prepared:** 10/12/2007 **Analyst:** IRO

Reporting Units: mg/kg **Batch #:** 1

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
	BLANK /BLANK SPIKE RECOVERY STUDY					
Chloride	ND	100	97.8	98	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS / MSD Recoveries

Project Name: Frisco State A Battery

Work Order #: 291164 **Project ID:** 7-0111

Lab Batch ID: 706408 **QC- Sample ID:** 291164-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/13/2007 **Date Prepared:** 10/12/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1040	1090	105	1040	1170	113	7	70-135	35	
C12-C28 Diesel Range Hydrocarbons	12.5	1040	1120	106	1040	1180	112	6	70-135	35	

Lab Batch ID: 706284 **QC- Sample ID:** 291164-009 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/12/2007 **Date Prepared:** 10/12/2007 **Analyst:** IRO

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	63 8	500	553	98	500	542	96	2	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Frisco State A Battery

Work Order #: 291164

Lab Batch #: 706352 **Project ID:** 7-0111

Date Analyzed: 10/12/2007 **Date Prepared:** 10/12/2007 **Analyst:** WRU

QC- Sample ID: 291152-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	1.77	11.7	147	20	F

Lab Batch #: 706356

Date Analyzed: 10/12/2007 **Date Prepared:** 10/12/2007 **Analyst:** WRU

QC- Sample ID: 291164-015 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	3.19	3.20	0	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29605

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS:
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07   PAGE 1 OF 2
PO #   DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FRISCO STATE A BATTERY
CLIENT PROJECT #: 7-0111   COLLECTOR: M. LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ⌐ NaOH ⌐, ICE, UNPRESERVED

ANALYSES: BTEX ⌐ MTBE ⌐, TRPH 418.1 ⌐ TPH 1005 ⌐ TPH 1006 ⌐, GASOLINE MOD 8015 ⌐, DIESEL MOD 8015 ⌐, VOC 8260 ⌐, SVOC 8270 ⌐ PAH 8270 ⌐ HOLDPAH ⌐, 8081 PESTICIDES ⌐ 8151 HERBICIDES ⌐, 8082 PCBS ⌐, TCLP - METALS (RCRA) ⌐ TCLP VOC ⌐, TCLP - PEST ⌐ HERB ⌐ Semi-VOC ⌐, TOTAL METALS (RCRA) ⌐ OTHER LIST ⌐, LEAD - TOTAL ⌐ D.W. 200.8 ⌐ TCLP ⌐, RCI ⌐ TOX ⌐ FLASHPOINT ⌐, TDS ⌐ TSS ⌐ % MOISTURE ⌐ CYANIDE ⌐, pH ⌐ HEXAVALENT CHROMIUM ⌐, EXPLOSIVES ⌐ PECHLORATE ⌐, CHLORIDE ⌐ ANIONS ⌐ ALKALINITY ⌐

Field Sample I.D	DHL Lab #	Date (2007)	Time	Matrix	Container Type	# of Containers	ICE	Analyses	Field Notes (291164)
BH #3, 0'		10-11	08:05	S	4 oz	1	X	X X	-01
BH #3, 10'		↓	08:15	↓	↓	↓	↓	↓	-02
BH #3, 20'			08:25						-03
BH #3, 30'			08:40						-04
BH #3, 40'			08:50						-05
BH #3, 50'			09:00						-06
BH #4, 0'			09:10						-07
BH #4, 10'			09:23						-08
BH #4, 20'			09:35						-09
BH #4, 30'			09:47						-10
BH #4, 40'			09:55						-11
~~BH #5, 50'~~	(EB)		10:20						
BH #5, 0'			10:40						-12
BH #5, 10'			11:00						-13
BH #5, 20'		↓	11:10	↓	↓	↓	↓		14
TOTAL									

RELINQUISHED BY (Signature) [signature]   DATE/TIME 10/12/07 9:22   RECEIVED BY (Signature) [signature]
RELINQUISHED BY (Signature)   DATE/TIME   RECEIVED BY (Signature)
RELINQUISHED BY (Signature)   DATE/TIME   RECEIVED BY (Signature)

⌐ DHL DISPOSAL @ $5.00 each   ⌐ Return

TURN AROUND TIME
RUSH ⌐ CALL FIRST
1 DAY ⌐ CALL FIRST
2 DAY ⌐
NORMAL ⌐
OTHER X 3 day

LABORATORY USE ONLY:
RECEIVING TEMP 0.5 °C   THERM #
CUSTODY SEALS - ⌐ BROKEN ⌐ INTACT X NOT USED
⌐ CARRIER BILL #
⌐ APC DELIVERY
X HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29606

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07 PAGE 2 OF 2
PO #: DHL WORK ORDER #
PROJECT LOCATION OR NAME: FRISCO STATE A BATTERY
CLIENT PROJECT #: 7-0111 COLLECTOR: M LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO3	H2SO4	NaOH	ICE	UNPRESERVED
BH #5, 30'		10-11	11:25	S	4oz	1					X	
BH #5, 40'		10-11	11:35	S	4oz	1					X	

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ | TPH 1005 ☐ | TPH 1006 ☐ | GASOLINE MOD 8015 ☐ | DIESEL MOD 8015 ☐ | VOC 8260 ☐ | SVOC 8270 ☐ | PAH 8270 ☐ | HOLD PAH ☐ | 8081 PESTICIDES ☐ | 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP METALS (RCRA) ☐ | TCLP VOC ☐ | TCLP PEST ☐ | HERB ☐ | 5gm VOC ☐ | TOTAL METALS (RCRA) ☐ | OTHER LIST ☐ | LEAD TOTAL ☐ | D.W. 200.8 ☐ | TCLP ☐ | TOX ☐ | TDS ☐ | TSS ☐ | FLASHPOINT ☐ | % MOISTURE ☐ | CYANIDE ☐ | PH ☐ | HEXAVALENT CHROMIUM ☐ | PERCHLORATE ☐ | EXPLOSIVES ☐ | ANIONS ☐ | ALKALINITY ☐ | CHLORIDE ☒

BH #5, 30'	X X	X
BH #5, 40'		X

Z91164

FIELD NOTES
-15
-16

TOTAL

RELINQUISHED BY (Signature) DATE/TIME 10/12/07 9:22 RECEIVED BY (Signature) Jeanne Fitch
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)
RELINQUISHED BY (Signature) DATE/TIME RECEIVED BY (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 day

LABORATORY USE ONLY:
RECEIVING TEMP 0.5°C THERM # ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson + Associates

Date/ Time: 10-12-07 @ 0922

Lab ID #: 291164

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	0.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont / Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken.

_____

_____

_____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29605

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS:
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07 PAGE 1 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FRISCO STATE A BATTERY
CLIENT PROJECT #: 7-0111 COLLECTOR: M LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date (2007)	Time	Matrix	Container Type	# of Containers (4 oz glass w/Teflon)	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	291164 FIELD NOTES
BH #3, 0'		10-11	08:05	S	4oz	1				X		X	X																-01
BH #3, 10'			08:15																										-02
BH #3, 20'			08:25																										-03
BH #3, 30'			08:40																										-04
BH #3, 40'			08:50																										-05
BH #3, 50'			09:00																										-06
BH #4, 0'			09:10																										-07
BH #4, 10'			09:23																										-08
BH #4, 20'			09:35																										-09
BH #4, 30'			09:47																										-10
BH #4, 40'			09:55																										-11
~~BH #5, 50'~~	(50)		10:20																										
BH #5, 0'			10:40																										-12
BH #5, 10'			11:00																										-13
BH #5, 20'			11:10																										-14
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 10/12/07 RECEIVED BY: (Signature) Jeanne Fitch 9:22
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 days

LABORATORY USE ONLY:
RECEIVING TEMP: 0.5 °C THERM #:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29606

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS:
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07 PAGE 2 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FRISCO STATE A BATTERY
CLIENT PROJECT #: 7-0111 COLLECTOR: M LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

PRESERVATION: HCl, HNO_3, H_2SO_4 ☐ NaOH ☐, ICE, UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐; TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐; GASOLINE MOD 8015 ☐; DIESEL - MOD 8015 ☐; VOC 8260 ☐; SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐; 8081 PESTICIDES ☐ 8151 HERBICIDES ☐; 8082 PCBS ☐; TCLP - METALS (RCRA) ☐ TCLP VOC ☐; TCLP - PEST ☐ HERB ☐ Semi-VOC ☐; TOTAL METALS (RCRA) ☐ OTHER LIST ☐; LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐; RCI ☐ TOX ☐ FLASHPOINT ☐; TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐; pH ☐ HEXAVALENT CHROMIUM ☐; EXPLOSIVES ☐ PECHLORATE ☐; CHLORIDE ☒ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date (2007)	Time	Matrix	Container Type	# of Containers (4 oz glass)	HCl	HNO_3	H_2SO_4 / NaOH	ICE	UNPRESERVED	BTEX	TRPH/TPH	GASOLINE	CHLORIDE	FIELD NOTES 291164
BH#5, 30'		10-11	11:25	S	4oz	1				X		X	X		X	-15
BH#5, 40'		10-11	11:35	S	4oz	1				X		1	1		1	-14

TOTAL

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)
[signature]	10/12/07 9:22	Jeanne Fitch

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 day

LABORATORY USE ONLY:
RECEIVING TEMP: 0.5°C THERM #:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson + Associates

Date/ Time: 10-12-07 @ 0922

Lab ID # : 291164

Initials: JMF

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	(Yes)	No	0.5 °C	
#2	Shipping container in good condition?	(Yes)	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	(Not Present)	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	(Not Present)	
#5	Chain of Custody present?	(Yes)	No		
#6	Sample instructions complete of Chain of Custody?	(Yes)	No		
#7	Chain of Custody signed when relinquished/ received?	(Yes)	No		
#8	Chain of Custody agrees with sample label(s)?	(Yes)	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	(Yes)	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	(Yes)	No		
#11	Containers supplied by ELOT?	(Yes)	No		
#12	Samples in proper container/ bottle?	(Yes)	No	See Below	
#13	Samples properly preserved?	(Yes)	No	See Below	
#14	Sample bottles intact?	(Yes)	No		
#15	Preservations documented on Chain of Custody?	(Yes)	No		
#16	Containers documented on Chain of Custody?	(Yes)	No		
#17	Sufficient sample amount for indicated test(s)?	(Yes)	No	See Below	
#18	All samples received within sufficient hold time?	(Yes)	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	(Not Applicable)	
#20	VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken:

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29605

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS:
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07 PAGE 1 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FASKEN STATE A BATTERY
CLIENT PROJECT #: 7-0111 COLLECTOR: M LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date (2007)	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BH #3, 0'		10-11	08:05	S	402	4				X			X	X															
BH #3, 10'			08:15																										
BH #3, 20'			08:25																										
BH #3, 30'			08:40																										
BH #3, 40'			08:50																										
BH #3, 50'			09:00																										
BH #4, 0'			09:10																										
BH #4, 10'			09:23																										
BH #4, 20'			09:35																										
BH #4, 30'			09:47																										
BH #4, 40'			09:55																										
~~BH #5, 0'~~	(KG)		10:20																										
BH #5, 0'			10:40																										
BH #5, 10'			11:00																										
BH #5, 20'		↓	11:10	↓	↓	↓				↓																			
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 10/11/07 0912 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 days

LABORATORY USE ONLY:
RECEIVING TEMP: 0.5° THERM #:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29606

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOCIATES
ADDRESS:
PHONE: FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10-11-07 PAGE 2 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: FRISCO STATE A BATTERY
CLIENT PROJECT #: 7-0111 COLLECTOR: M LARSON

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BH#5, 30'		10-11	11:25	S	402	1				X				X	X													X	
BH#5, 40'		10-11	11:35	S	402	1				X				1	1													1	
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 10/12/07 9:22 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 Work

LABORATORY USE ONLY:
RECEIVING TEMP: 0.5°C THERM #:
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

Analytical Report 291086

for

Larson & Associates

Project Manager: Michelle Green

Frisco State A

7-0111

16-OCT-07

12600 West I-20 East Odessa, Texas 79765

A Xenco Laboratories Company

Texas certification numbers:
Houston, TX T104704215

Florida certification numbers:
Houston, TX E871002 - Miami, FL E86678 - Tampa, FL E86675

Houston - Dallas - San Antonio - Austin - Tampa - Miami - Latin America
Midland - Corpus Christi - Atlanta

16-OCT-07

Project Manager: **Michelle Green**
Larson & Associates
P.O. Box 50685
Midland, TX 79710

Reference: XENCO Report No: **291086**
Frisco State A
Project Address:

Michelle Green:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number 291086. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. Estimation of data uncertainty for this report is found in the quality control section of this report unless otherwise noted. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 291086 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Brent Barron
Odessa Laboratory Director

XENCO Laboratories

Sample Cross Reference 291086

Larson & Associates, Midland, TX

Frisco State A

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
TMW1 (0')	S	Oct-10-07 08:36		291086-001
TMW1 (10')	S	Oct-10-07 08:47		291086-002
TMW1 (20')	S	Oct-10-07 09:00		291086-003
TMW1 (30')	S	Oct-10-07 09:10		291086-004
TMW1 (40')	S	Oct-10-07 09:25		291086-005
TMW1 (50')	S	Oct-10-07 09:35		291086-006
BH-1 (0')	S	Oct-10-07 10:47		291086-007
BH-1 (10')	S	Oct-10-07 10:55		291086-008
BH-1 (20')	S	Oct-10-07 11:05		291086-009
BH-1 (30')	S	Oct-10-07 12:25		291086-010
BH-1 (40')	S	Oct-10-07 12:50		291086-011
BH-1 (50')	S	Oct-10-07 13:00		291086-012
BH-2 (0')	S	Oct-10-07 13:23		291086-013
BH-2 (10')	S	Oct-10-07 13:30		291086-014
BH-2 (20')	S	Oct-10-07 13:40		291086-015
BH-2 (30')	S	Oct-10-07 13:55		291086-016
BH-2 (40')	S	Oct-10-07 14:00		291086-017
BH-2 (50')	S	Oct-10-07 14:15		291086-018
BH-2 (60')	S	Oct-10-07 14:25		291086-019
BH-2 (70')	S	Oct-10-07 15:00		291086-020

Certificate of Analysis Summary 291086

Larson & Associates, Midland, TX

Project Name: Frisco State A

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Thu Oct-11-07 09 26 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291086-001		291086-002		291086-003		291086-004		291086-005		291086-006	
	Field Id:	TMW1 (0')		TMW1 (10')		TMW1 (20')		TMW1 (30')		TMW1 (40')		TMW1 (50')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-10-07 08.36		Oct-10-07 08:47		Oct-10-07 09.00		Oct-10-07 09.10		Oct-10-07 09.25		Oct-10-07 09:35	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12:15		Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		6 53	1.00	9.55	1.00	15 1	1.00	5.89	1.00	3.40	1 00	2 39	1 00
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13:20		Oct-12-07 13:20		Oct-12-07 13 20		Oct-12-07 13:20		Oct-12-07 13:20		Oct-12-07 13:20	
	Analyzed:	Oct-12-07 19 05		Oct-12-07 19:31		Oct-12-07 19.57		Oct-12-07 20:22		Oct-12-07 20 48		Oct-12-07 21.13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	10.7	ND	11.1	ND	11 8	ND	10.6	ND	10.4	ND	10.2
C12-C28 Diesel Range Hydrocarbons		13.2	10.7	ND	11 1	13 3	11 8	ND	10.6	ND	10 4	12.4	10 2
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-11-07 13 30		Oct-11-07 13:30		Oct-11-07 13 30		Oct-11-07 13:30		Oct-11-07 13.30		Oct-11-07 13:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		114	5.35	176	5.53	150	5.89	90.4	5.31	88 1	5 18	87 2	5 12

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 291086

Larson & Associates, Midland, TX

Project Name: Frisco State A

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Thu Oct-11-07 09.26 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291086-007		291086-008		291086-009		291086-010		291086-011		291086-012	
	Field Id:	BH-1 (0')		BH-1 (10')		BH-1 (20')		BH-1 (30')		BH-1 (40')		BH-1 (50')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-10-07 10 47		Oct-10-07 10:55		Oct-10-07 11.05		Oct-10-07 12:25		Oct-10-07 12 50		Oct-10-07 13 00	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12:15		Oct-11-07 12 15		Oct-11-07 12 15	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		3 52	1 00	4.60	1.00	4.39	1 00	3.76	1 00	2.09	1.00	1 50	1.00
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13 20		Oct-12-07 13 20		Oct-12-07 13:20		Oct-12-07 13:20		Oct-12-07 13:20		Oct-12-07 13 20	
	Analyzed:	Oct-12-07 21:39		Oct-12-07 22.04		Oct-12-07 22 30		Oct-12-07 22:55		Oct-12-07 23 45		Oct-13-07 00 11	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		ND	10.4	ND	10 5	ND	10.5	ND	10.4	ND	10 2	ND	10 2
C12-C28 Diesel Range Hydrocarbons		11.6	10.4	36 0	10 5	25 0	10 5	10 4	10 4	10 3	10 2	ND	10.2
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-11-07 13:30		Oct-11-07 13 30		Oct-11-07 13.30		Oct-11-07 13.30		Oct-11-07 13:30		Oct-11-07 13 30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		88 2	5 18	245	5 24	189	5 23	155	5 20	141	5 11	64 8	5 08

Brent Barron
Odessa Laboratory Director

Certificate of Analysis Summary 291086

Larson & Associates, Midland, TX

Project Name: Frisco State A

Project Id: 7-0111
Contact: Michelle Green
Project Location:

Date Received in Lab: Thu Oct-11-07 09:26 am
Report Date: 16-OCT-07
Project Manager: Brent Barron, II

Analysis Requested													
	Lab Id:	291086-013		291086-014		291086-015		291086-016		291086-017		291086-018	
	Field Id:	BH-2 (0')		BH-2 (10')		BH-2 (20')		BH-2 (30')		BH-2 (40')		BH-2 (50')	
	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Oct-10-07 13:23		Oct-10-07 13:30		Oct-10-07 13.40		Oct-10-07 13.55		Oct-10-07 14 00		Oct-10-07 14 15	
Percent Moisture	*Extracted:*												
	Analyzed:	Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15		Oct-11-07 12 15	
	Units/RL:	%	RL	%	RL	%	RL	%	RL	%	RL	%	RL
Percent Moisture		2.89	1 00	4 31	1.00	6 01	1.00	4 76	1.00	2.15	1.00	1 91	1.00
TPH by SW8015 Mod	*Extracted:*	Oct-12-07 13.20		Oct-12-07 13:20		Oct-12-07 13:20		Oct-12-07 13 20		Oct-12-07 13:20		Oct-12-07 13 20	
	Analyzed:	Oct-13-07 00 36		Oct-13-07 01:01		Oct-13-07 01:26		Oct-13-07 01 52		Oct-13-07 02 17		Oct-13-07 02 42	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
C6-C12 Gasoline Range Hydrocarbons		10.4	10.3	ND	10 5	ND	10 6	ND	10 5	ND	10 2	ND	10 2
C12-C28 Diesel Range Hydrocarbons		404	10.3	13 5	10.5	ND	10 6	ND	10.5	11 8	10 2	ND	10 2
Total Chloride by EPA 325.3	*Extracted:*												
	Analyzed:	Oct-11-07 13:30		Oct-11-07 13.30		Oct-11-07 13.30		Oct-11-07 13.30		Oct-11-07 13 30		Oct-11-07 13:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		54 8	5.15	55 6	5.23	226	5 32	223	5 25	120	5 11	65.0	5 10

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Brent Barron
Odessa Laboratory Director

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to effect the recovery of the spike concentration. This condition could also effect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the MQL and above the SQL.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

* Outside XENCO'S scope of NELAC Accreditation

Form 2 - Surrogate Recoveries

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 291086-001 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.5	100	90	70-135	
o-Terphenyl	43.5	50.0	87	70-135	

Lab Batch #: 706382 **Sample:** 291086-001 S / MS **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	99.0	100	99	70-135	
o-Terphenyl	42.1	50.0	84	70-135	

Lab Batch #: 706382 **Sample:** 291086-001 SD / MSD **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	124	100	124	70-135	
o-Terphenyl	54.6	50.0	109	70-135	

Lab Batch #: 706382 **Sample:** 291086-002 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.6	100	90	70-135	
o-Terphenyl	42.9	50.0	86	70-135	

Lab Batch #: 706382 **Sample:** 291086-003 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.3	100	90	70-135	
o-Terphenyl	44.1	50.0	88	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 291086-004 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.4	100	87	70-135	
o-Terphenyl	41.4	50.0	83	70-135	

Lab Batch #: 706382 **Sample:** 291086-005 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.6	100	89	70-135	
o-Terphenyl	42.1	50.0	84	70-135	

Lab Batch #: 706382 **Sample:** 291086-006 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.5	100	88	70-135	
o-Terphenyl	41.5	50.0	83	70-135	

Lab Batch #: 706382 **Sample:** 291086-007 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.4	100	89	70-135	
o-Terphenyl	42.7	50.0	85	70-135	

Lab Batch #: 706382 **Sample:** 291086-008 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	91.9	100	92	70-135	
o-Terphenyl	44.8	50.0	90	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 291086-009 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	89.4	100	89	70-135	
o-Terphenyl	43.6	50.0	87	70-135	

Lab Batch #: 706382 **Sample:** 291086-010 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.6	100	88	70-135	
o-Terphenyl	42.4	50.0	85	70-135	

Lab Batch #: 706382 **Sample:** 291086-011 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	92.4	100	92	70-135	
o-Terphenyl	46.6	50.0	93	70-135	

Lab Batch #: 706382 **Sample:** 291086-012 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.5	100	91	70-135	
o-Terphenyl	41.9	50.0	84	70-135	

Lab Batch #: 706382 **Sample:** 291086-013 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.5	100	88	70-135	
o-Terphenyl	43.7	50.0	87	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 291086-014 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.3	100	87	70-135	
o-Terphenyl	42.3	50.0	85	70-135	

Lab Batch #: 706382 **Sample:** 291086-015 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	93.0	100	93	70-135	
o-Terphenyl	44.9	50.0	90	70-135	

Lab Batch #: 706382 **Sample:** 291086-016 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	100	100	100	70-135	
o-Terphenyl	47.9	50.0	96	70-135	

Lab Batch #: 706382 **Sample:** 291086-017 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	87.8	100	88	70-135	
o-Terphenyl	41.3	50.0	83	70-135	

Lab Batch #: 706382 **Sample:** 291086-018 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.8	100	96	70-135	
o-Terphenyl	46.9	50.0	94	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Form 2 - Surrogate Recoveries

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 291086-019 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.6	100	91	70-135	
o-Terphenyl	41.9	50.0	84	70-135	

Lab Batch #: 706382 **Sample:** 291086-020 / SMP **Batch:** 1 **Matrix:** Soil

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	90.8	100	91	70-135	
o-Terphenyl	42.3	50.0	85	70-135	

Lab Batch #: 706382 **Sample:** 500400-1-BKS / BKS **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	95.3	100	95	70-135	
o-Terphenyl	39.0	50.0	78	70-135	

Lab Batch #: 706382 **Sample:** 500400-1-BLK / BLK **Batch:** 1 **Matrix:** Solid

Units: mg/kg

TPH by SW8015 Mod Analytes	SURROGATE RECOVERY STUDY Amount Found [A]	True Amount [B]	Recovery %R [D]	Control Limits %R	Flags
1-Chlorooctane	88.0	100	88	70-135	
o-Terphenyl	43.3	50.0	87	70-135	

** Surrogates outside limits; data and surrogates confirmed by reanalysis

*** Poor recoveries due to dilution

Surrogate Recovery [D] = 100 * A / B

All results are based on MDL and validated for QC purposes.

Blank Spike Recovery

Project Name: Frisco State A

Work Order #: 291086 **Project ID:** 7-0111

Lab Batch #: 706382 **Sample:** 500400-1-BKS **Matrix:** Solid

Date Analyzed: 10/12/2007 **Date Prepared:** 10/12/2007 **Analyst:** SHE

Reporting Units: mg/kg **Batch #:** 1

TPH by SW8015 Mod Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
C6-C12 Gasoline Range Hydrocarbons	ND	1000	890	89	70-135	
C12-C28 Diesel Range Hydrocarbons	ND	1000	877	88	70-135	

Lab Batch #: 706273 **Sample:** 706273-1-BKS **Matrix:** Solid

Date Analyzed: 10/11/2007 **Date Prepared:** 10/11/2007 **Analyst:** LATCOR

Reporting Units: mg/kg **Batch #:** 1

Total Chloride by EPA 325.3 Analytes	Blank Result [A]	Spike Added [B]	Blank Spike Result [C]	Blank Spike %R [D]	Control Limits %R	Flags
		BLANK /BLANK SPIKE RECOVERY STUDY				
Chloride	ND	100	95.7	96	75-125	

Blank Spike Recovery [D] = 100*[C]/[B]
All results are based on MDL and validated for QC purposes.

Form 3 - MS / MSD Recoveries

Project Name: Frisco State A

Work Order # : 291086 **Project ID:** 7-0111

Lab Batch ID: 706382 **QC- Sample ID:** 291086-001 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/13/2007 **Date Prepared:** 10/12/2007 **Analyst:** SHE

Reporting Units: mg/kg

TPH by SW8015 Mod Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
C6-C12 Gasoline Range Hydrocarbons	ND	1070	973	91	1070	1100	103	12	70-135	35	
C12-C28 Diesel Range Hydrocarbons	13 2	1070	971	90	1070	1100	102	13	70-135	35	

Lab Batch ID: 706273 **QC- Sample ID:** 291086-002 S **Batch #:** 1 **Matrix:** Soil

Date Analyzed: 10/11/2007 **Date Prepared:** 10/11/2007 **Analyst:** LATCOR

Reporting Units: mg/kg

Total Chloride by EPA 325.3 Analytes	MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY STUDY										
	Parent Sample Result [A]	Spike Added [B]	Spiked Sample Result [C]	Spiked Sample %R [D]	Spike Added [E]	Duplicate Spiked Sample Result [F]	Spiked Dup. %R [G]	RPD %	Control Limits %R	Control Limits %RPD	Flag
Chloride	176	1110	1250	97	1110	1200	92	5	75-125	30	

Matrix Spike Percent Recovery [D] = 100*(C-A)/B
Relative Percent Difference RPD = 200*(D-G)/(D+G)

Matrix Spike Duplicate Percent Recovery [G] = 100*(F-A)/E

ND = Not Detected, J = Present Below Reporting Limit, B = Present in Blank, NR = Not Requested, I = Interference, NA = Not ApplicableN = See Narrative, EQL = Estimated Quantitation Limit

Sample Duplicate Recovery

Project Name: Frisco State A

Work Order #: 291086

Lab Batch #: 706227 **Project ID:** 7-0111

Date Analyzed: 10/11/2007 **Date Prepared:** 10/11/2007 **Analyst:** RBA

QC- Sample ID: 291086-001 D **Batch #:** 1 **Matrix:** Soil

Reporting Units: %

Percent Moisture Analyte	SAMPLE / SAMPLE DUPLICATE RECOVERY				
	Parent Sample Result [A]	Sample Duplicate Result [B]	RPD	Control Limits %RPD	Flag
Percent Moisture	6.53	6.38	2	20	

Spike Relative Difference RPD 200 * | (B-A)/(B+A) |
All Results are based on MDL and validated for QC purposes.

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

No 29607

CHAIN-OF-CUSTODY

CLIENT: Jacobs & Assoc.
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Drew michelle@jacenviron.com
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Tusco State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4, NaOH	ICE	UNPRESERVED	ANALYSES: BTEX, MTBE, TRPH 418.1, TPH 1005, TPH 1006, GASOLINE MOD 8015, DIESEL - MOD 8015, VOC 8260, SVOC 8270, PAH 8270, HOLDPAH, 8081 PESTICIDES, 8151 HERBICIDES, 8082 PCBS, TCLP - METALS (RCRA), TCLP VOC, TCLP - PEST, HERB, Semi-VOC, TOTAL METALS (RCRA), OTHER LIST, LEAD - TOTAL, DW 200.8, TCLP, RCI, TOX, FLASHPOINT, TDS, TSS, % MOISTURE, CYANIDE, pH, HEXAVALENT CHROMIUM, EXPLOSIVES, PECHLORATE, CHLORIDE, ANIONS, ALKALINITY	FIELD NOTES
TMW 1 (0')		10/10	8:36	S	40z	1				X		X X	29052
TMW 1 (10')			8:47			2							
TMW 1 (20')			9:00										
TMW 1 (30')			9:10										
TMW 1 (40')			9:25										
TMW 1 (50')			9:35										
BH-1 (0')			10:47										
BH-1 (10')			10:55										
BH-1 (20')			11:05										
BH-1 (30')			12:20										
BH-1 (40)			12:50										
BH-1 (50)			13:00										
BH-2 (0')			13:23										
BH-2 (10')			13:30										
BH-2 (20)			13:40										
TOTAL													

RELINQUISHED BY: (Signature) DATE/TIME 10/11/07 9:26 RECEIVED BY: (Signature) DATE/TIME 10/11/07 9:24

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER X 3 day

LABORATORY USE ONLY:
RECEIVING TEMP 3.0 THERM # C
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29608

CHAIN-OF-CUSTODY

CLIENT: Larson & Assoc.
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Dunn
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 2 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Frisco State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 | NaOH | ICE | UNPRESERVED

ANALYSES: BTEX ┐ MTBE ┐ TRPH 418.1 ┐ TPH 1005 ┐ TPH 1006 ┐ GASOLINE MOD 8015 ┐ DIESEL - MOD 8015 ┐ VOC 8260 ┐ SVOC 8270 ┐ PAH 8270 ┐ HOLDPAH ┐ 8081 PESTICIDES ┐ 8151 HERBICIDES ┐ 8082 PCBS ┐ TCLP - METALS (RCRA) ┐ TCLP VOC ┐ TCLP - PEST ┐ HERB ┐ Semi-VOC ┐ TOTAL METALS (RCRA) ┐ OTHER LIST ┐ LEAD - TOTAL ┐ DW 200.8 ┐ TCLP ┐ RCI ┐ TOX ┐ FLASHPOINT ┐ TDS ┐ TSS ┐ % MOISTURE ┐ CYANIDE ┐ pH ┐ HEXAVALENT CHROMIUM ┐ EXPLOSIVES ┐ PECHLORATE ┐ CHLORIDE ┐ ANIONS ┐ ALKALINITY ┐

Field Sample I D	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4	NaOH	ICE	UNPRESERVED	BTEX	MTBE	TRPH 418.1	TPH 1005	TPH 1006	GASOLINE MOD 8015	DIESEL - MOD 8015	VOC 8260	SVOC 8270	PAH 8270	HOLDPAH	8081 PESTICIDES	8151 HERBICIDES	8082 PCBS	TCLP - METALS (RCRA)	TCLP VOC	TCLP - PEST	HERB	Semi-VOC	TOTAL METALS (RCRA)	OTHER LIST	LEAD - TOTAL	DW 200.8	TCLP	RCI	TOX	FLASHPOINT	TDS	TSS	% MOISTURE	CYANIDE	pH	HEXAVALENT CHROMIUM	EXPLOSIVES	PECHLORATE	CHLORIDE	ANIONS	ALKALINITY	FIELD NOTES
BH-2 (30')		10/10/2007	13:55	S	402	2					X				X	X																																		29 1050
BH-2 (40')			14:00																																															
BH-2 (50')			14:15																																														
BH-2 (60')			14:25																																														
BH-2 (70')		↓	15:05	↓	↓	↓																																										

TOTAL

RELINQUISHED BY (Signature) — DATE/TIME 10/11/07 9:26 — RECEIVED BY (Signature)
RELINQUISHED BY (Signature) — DATE/TIME — RECEIVED BY. (Signature) 10/11/07 9:26
RELINQUISHED BY. (Signature) — DATE/TIME — RECEIVED BY (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER X 3 day

LABORATORY USE ONLY:
RECEIVING TEMP. C THERM #
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ✓ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
✓ HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client. Larson & Assoc

Date/ Time: 10/11/07 @ 9:24 am

Lab ID # 291054

Initials: GLVT

Sample Receipt Checklist

				Client Initials
#1	Temperature of container/ cooler?	Yes	No	- 3.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable GLVT	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29607

CHAIN-OF-CUSTODY

CLIENT: Larson + Assoc
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Allen michelle@laenvironmental.com
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Frisco State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 | DIESEL - MOD 8015 | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
TMW 1 (01')		10/10	8:36	S	40z	1				X			X	X																2 9/05 4.
TMW 1 (10')			8:47			2																								
TMW 1 (20')			9:00																											
TMW 1 (30')			9:10																											
TMW 1 (40')			9:25																											
TMW 1 (50')			9:35																											
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BH-1 (40)			12:50																											
BH-1 (50)			13:00																											
BH-2 (01')			13:23																											
BH-2 (10')			13:30																											
BH-2 (20)			13:40																											
TOTAL																														

RELINQUISHED BY: (Signature) DATE/TIME 10/11/07 9:26 RECEIVED BY: (Signature) DATE/TIME 10/11/07 9:24
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 day

LABORATORY USE ONLY:
RECEIVING TEMP: -3.0 THERM #: C
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☒ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☒ HAND DELIVERED

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29608

CHAIN-OF-CUSTODY

CLIENT: Larson & Assoc.
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Allen
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 2 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Frisco State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

PRESERVATION: HCl | HNO_3 | H_2SO_4 ☐ NaOH ☐ | ICE | UNPRESERVED

ANALYSES: BTEX ☐ MTBE ☐ | TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ | GASOLINE MOD 8015 | DIESEL - MOD 8015 X | VOC 8260 ☐ | SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ | 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ | 8082 PCBS ☐ | TCLP - METALS (RCRA) ☐ TCLP VOC ☐ | TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ | TOTAL METALS (RCRA) ☐ OTHER LIST ☐ | LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ | RCI ☐ TOX ☐ FLASHPOINT ☐ | TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ | pH ☐ HEXAVALENT CHROMIUM ☐ | EXPLOSIVES ☐ PECHLORATE ☐ | CHLORIDE X ANIONS ☐ ALKALINITY ☐

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015	DIESEL - MOD 8015 X	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE X ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BH-2 (30')		10/10/2007	13:55	S	402	2				X					X	X											X		29/0586
BH-2 (40')			14:00																										
BH-2 (50')			14:15																										
BH-2 (60')			14:25																										
BH-2 (70')			15:00																										

TOTAL

RELINQUISHED BY: (Signature) 10/11/07 DATE/TIME 9:26 RECEIVED BY: (Signature) 10/11/07 @ 9:26
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER X 3 day

LABORATORY USE ONLY:
RECEIVING TEMP: -3.0 THERM #: C
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

Environmental Lab of Texas

Variance/ Corrective Action Report- Sample Log-In

Client: Larson & Assoc.

Date/ Time: 10/11/07 @ 9:24 Am

Lab ID # : 291084

Initials: gjvm

Sample Receipt Checklist

					Client Initials
#1	Temperature of container/ cooler?	Yes	No	-3.0 °C	
#2	Shipping container in good condition?	Yes	No		
#3	Custody Seals intact on shipping container/ cooler?	Yes	No	Not Present	
#4	Custody Seals intact on sample bottles/ container?	Yes	No	Not Present	
#5	Chain of Custody present?	Yes	No		
#6	Sample instructions complete of Chain of Custody?	Yes	No		
#7	Chain of Custody signed when relinquished/ received?	Yes	No		
#8	Chain of Custody agrees with sample label(s)?	Yes	No	ID written on Cont./ Lid	
#9	Container label(s) legible and intact?	Yes	No	Not Applicable	
#10	Sample matrix/ properties agree with Chain of Custody?	Yes	No		
#11	Containers supplied by ELOT?	Yes	No		
#12	Samples in proper container/ bottle?	Yes	No	See Below	
#13	Samples properly preserved?	Yes	No	See Below	
#14	Sample bottles intact?	Yes	No		
#15	Preservations documented on Chain of Custody?	Yes	No		
#16	Containers documented on Chain of Custody?	Yes	No		
#17	Sufficient sample amount for indicated test(s)?	Yes	No	See Below	
#18	All samples received within sufficient hold time?	Yes	No	See Below	
#19	Subcontract of sample(s)?	Yes	No	Not Applicable	
#20	VOC samples have zero headspace?	Yes	No	Not Applicable gjvm	

Variance Documentation

Contact: _____ Contacted by: _____ Date/ Time: _____

Regarding: _____

Corrective Action Taken: _____

Check all that Apply:

- ☐ See attached e-mail/ fax
- ☐ Client understands and would like to proceed with analysis
- ☐ Cooling process had begun shortly after sampling event

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29607

CHAIN-OF-CUSTODY

CLIENT: Larson & Assoc
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Allen michelle@larsonassoc.com
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Pecos State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL W=WATER A=AIR P=PAINT SL=SLUDGE OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐ TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐ GASOLINE MOD 8015 ☐ DIESEL - MOD 8015 ☐ VOC 8260 ☐ SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐ 8081 PESTICIDES ☐ 8151 HERBICIDES ☐ 8082 PCBS ☐ TCLP - METALS (RCRA) ☐ TCLP VOC ☐ TCLP - PEST ☐ HERB ☐ Semi-VOC ☐ TOTAL METALS (RCRA) ☐ OTHER LIST ☐ LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐ RCI ☐ TOX ☐ FLASHPOINT ☐ TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐ pH ☐ HEXAVALENT CHROMIUM ☐ EXPLOSIVES ☐ PECHLORATE ☐ CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
TMW 1 (0')		10/10	8:36		40z	1				X		X X	
TMW 1 (10')			8:47			2							
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TMW 1 (30')			9:10										
TMW 1 (40')			9:25										
TMW 1 (50')			9:35										
BH-1 (0')			10:47										
BH-1 (10')			10:55										
BH-1 (20')			11:05										
BH-1 (30')			12:20										
BH-1 (40)			12:50										
BH-1 (50)			13:00										
BH-2 (0')			13:23										
BH-2 (10')			13:30										
BH-2 (20)			13:40										
TOTAL													

RELINQUISHED BY: (Signature) DATE/TIME 10/11/07 9:26 RECEIVED BY: (Signature)
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RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 day

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☑ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL
2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29608

CHAIN-OF-CUSTODY

CLIENT: Kleinfelder + Assoc.
ADDRESS:
PHONE: FAX
DATA REPORTED TO: M. Allen
ADDITIONAL REPORT COPIES TO:

DATE: 10/11/07 PAGE 2 OF 2
PO #: DHL WORK ORDER #:
PROJECT LOCATION OR NAME: Frisco State A
CLIENT PROJECT #: 7-0111 COLLECTOR: RB

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT
W=WATER SL=SLUDGE
A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX ☐ MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 ☐ TCLP ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS ☐ TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH ☐ HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS ☐ ALKALINITY ☐	FIELD NOTES
BH-2 (30')		10/10	13:55		402	2				X			X	X													X		
BH-2 (40')		"	14:00		"	"				"			"	"													"		
BH-2 (50')		"	14:15		"	"				"			"	"													"		
BH-2 (60')		"	14:25		"	"				"			"	"													"		
BH-2 (70')		"	15:06		"	"				"			"	"													"		
TOTAL																													

RELINQUISHED BY: (Signature) DATE/TIME 10/11/07 1:26 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY ☐
NORMAL ☐
OTHER ☒ 3 days

LABORATORY USE ONLY:
RECEIVING TEMP: ____ THERM #: ____
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL #
☐ APC DELIVERY
☐ HAND DELIVERED

DHL ANALYTICAL

October 18, 2007

Michelle Green
Larson & Associates
507 N. Marienfeld #202
Midland, TX 79701

TEL: (432) 687-0901
FAX (432) 687-0456

Order No.: 0710125

RE: JHHC Frisco State "A"

Dear Michelle Green:

DHL Analytical received 1 sample(s) on 10/16/2007 for the analyses presented in the following report.

There were no problems with the analyses and all data met requirements of NELAC except where noted in the Case Narrative. All non-NELAC methods will be identified accordingly in the case narrative and all estimated uncertainties of test results are within method or EPA specifications.

If you have any questions regarding these tests results, please feel free to call. Thank you for using DHL Analytical.

Sincerely,

John DuPont
General Manager

This report was performed under the accreditation of the State of Texas Laboratory Certification Number: T104704211-06-TX

DHL ANALYTICAL

TABLE OF CONTENTS

This report for Larson & Associates: JHHC Frisco State "A" (DHL Work Order 0710125) contains the following information:

October 18, 2007

Approved: _____
John DuPont

2300 Double Creek Drive • Round Rock, TX 78664 • Phone (512) 388-8222 • FAX (512) 388-8229
www.dhlanalytical.com

DHL ANALYTICAL

2300 Double Creek Drive • Round Rock, TX 78664
Phone (512) 388-8222 • FAX (512) 388-8229

№ 29600

CHAIN-OF-CUSTODY

CLIENT: LARSON & ASSOC.
ADDRESS: Midland. TX
PHONE: 432-687-0901 FAX
DATA REPORTED TO: MICHELLE GREEN
ADDITIONAL REPORT COPIES TO:

DATE: 10/15/07 PAGE 1 OF 1
PO #: DHL WORK ORDER #: 0710125
PROJECT LOCATION OR NAME: JHHC Frisco St. A
CLIENT PROJECT #: 7-0111 COLLECTOR: SW

Authorize 5% surcharge for TRRP report? ☐ Yes ☐ No

S=SOIL P=PAINT W=WATER SL=SLUDGE A=AIR OT=OTHER

Field Sample I.D.	DHL Lab #	Date	Time	Matrix	Container Type	# of Containers	PRESERVATION: HCl	HNO_3	H_2SO_4 ☐ NaOH ☐	ICE	UNPRESERVED	ANALYSES: BTEX X MTBE ☐	TRPH 418.1 ☐ TPH 1005 ☐ TPH 1006 ☐	GASOLINE MOD 8015 ☐	DIESEL - MOD 8015 ☐	VOC 8260 ☐	SVOC 8270 ☐ PAH 8270 ☐ HOLDPAH ☐	8081 PESTICIDES ☐ 8151 HERBICIDES ☐	8082 PCBS ☐	TCLP - METALS (RCRA) ☐ TCLP VOC ☐	TCLP - PEST ☐ HERB ☐ Semi-VOC ☐	TOTAL METALS (RCRA) ☐ OTHER LIST ☐	LEAD - TOTAL ☐ D.W. 200.8 X TCLP ☐ 6020 for MS ☐	RCI ☐ TOX ☐ FLASHPOINT ☐	TDS X TSS ☐ % MOISTURE ☐ CYANIDE ☐	pH X HEXAVALENT CHROMIUM ☐	EXPLOSIVES ☐ PECHLORATE ☐	CHLORIDE ☐ ANIONS X ALKALINITY X	FIELD NOTES
TMW-1	01	10/15	0940	W		8	X			X		X								X		X	X		X				Anions: Cl, SO_4, NO_3, F Metals: RCRA + Ca, Mg, K, Na
																													Please filter (0.45)

TOTAL:

RELINQUISHED BY: (Signature) DATE/TIME 10/15/07 1100 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME 10-16-07 8:00 RECEIVED BY: (Signature)
RELINQUISHED BY: (Signature) DATE/TIME RECEIVED BY: (Signature)

☐ DHL DISPOSAL @ $5.00 each ☐ Return

TURN AROUND TIME
RUSH ☐ CALL FIRST
1 DAY ☐ CALL FIRST
2 DAY X
NORMAL ☐
OTHER ☐ ____

LABORATORY USE ONLY:
RECEIVING TEMP: 2.3C THERM #: 57
CUSTODY SEALS - ☐ BROKEN ☐ INTACT ☐ NOT USED
☐ CARRIER BILL # LSO
☐ APC DELIVERY
☐ HAND DELIVERED

Lone Star Overnight

Airbill No. Z3651261

Lone Star Overnight
800.800.8984
www.lso.com

To: SAMPLE RECEIVING
DHL ANALYTICAL
2300 DOUBLE CREEK DRIVE
ROUND ROCK, TX 78664
(512) 388 - 8222

From: MICHELLE GREEN
LARSON & ASSOCIATES, INC,
507 N MARIENFELD
SUITE 202
MIDLAND, TX 79701
(432) 687 - 0901

Service Type: By 10:30am
1D00V

AUS

By 10:30am

QuickCode: DHL
Date Printed: 10/15/2007

Fold on above line and place shipping label in pouch on package. Please be sure the barcodes and addresses can be read and scanned.

CUSTODY SEAL
DATE 10/15/07
SIGNATURE

QEC Quality Environmental Containers
800-255-3950 • 304-255-3900

DHL Analytical

Sample Receipt Checklist

Client Name Larson & Associates | Date Received: 10/16/2007

Work Order Number 0710125 | Received by JB

Checklist completed by: [signature] 10.16.07 (Signature / Date) | Reviewed by DL (Initials) 10/16/07 (Date)

Carrier name: LoneStar

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Adjusted? _____ Checked by _____

Any No response must be detailed in the comments section below.

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CLIENT: Larson & Associates
Project: JHHC Frisco State "A"
Lab Order: 0710125

CASE NARRATIVE

Samples were analyzed using the methods outlined in the following references:

Method E300 - Anions Analysis
Method M2320 B (18th edition) - Alkalinity Analysis
Method SW8021B - Volatile Organics by GC Analysis
Method SW6020 - Metals Analysis
Method SW7470A - Mercury Analysis
Method M4500-H+ B (18th edition) - pH of a Water
Method M2540C (18th edition) - TDS Analysis

LOG IN

The sample was received and log-in performed on 10/16/07. A total of 1 sample was received. The sample arrived in good condition and was properly packaged.

METALS ANALYSIS

For Metals analysis performed on 10/16/07 the matrix spike and matrix spike duplicate recoveries above control limits for some analytes. These are flagged accordingly in the QC summary report. The reference sample selected for the matrix spike and matrix spike duplicate was from this work order. The LCS was within control limits for these analytes. No further corrective actions were taken and no sample results were adversely affected.

For Metals analysis performed on 10/16/07 and 10/17/07 the PDS recoveries were out of control limits for some analytes. These are flagged accordingly. The serial dilutions were within control limits for these analytes. No further corrective actions were taken and no sample results were adversely affected.

DHL Analytical

Date: *18-Oct-07*

CLIENT: Larson & Associates
Project: JHHC Frisco State "A"
Lab Order: 0710125

Work Order Sample Summary

Lab Smp ID	Client Sample ID	Tag Number	Date Collected	Date Recvd
0710125-01	TMW-1		10/15/07 09:40 AM	10/16/2007

DHL Analytical

18-Oct-07

Lab Order: 0710125
Client: Larson & Associates
Project: JHHC Frisco State "A"

PREP DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Number	Test Name	Prep Date	Batch ID
0710125-01A	TMW-1	10/15/07 09:40 AM	Aqueous	SW5030B	Purge and Trap Water GC	10/16/07 09:59 AM	27567
0710125-01C	TMW-1	10/15/07 09:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	10/16/07 01:50 PM	27555
	TMW-1	10/15/07 09:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	10/16/07 01:50 PM	27555
	TMW-1	10/15/07 09:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	10/16/07 01:50 PM	27555
	TMW-1	10/15/07 09:40 AM	Aqueous	SW3005A	Aq Prep Metals: Dissolved - 0.45µ Filter	10/16/07 01:50 PM	27555
	TMW-1	10/15/07 09:40 AM	Aqueous	SW7470A	Mercury Aq Prep, Total	10/16/07 09:56 AM	27566
0710125-01E	TMW-1	10/15/07 09:40 AM	Aqueous	M2320 B	Alkalinity	10/16/07 12:56 PM	R34145
	TMW-1	10/15/07 09:40 AM	Aqueous	E300	Anions by IC method - Water	10/16/07	R34146
	TMW-1	10/15/07 09:40 AM	Aqueous	E300	Anions by IC method - Water	10/16/07	R34146
	TMW-1	10/15/07 09:40 AM	Aqueous	M4500-H+ B	pH	10/16/07 12:31 PM	R34144
	TMW-1	10/15/07 09:40 AM	Aqueous	M2540C	Total Dissolved Solids	10/16/07 02:10 PM	TDS_W-10/16/07

Lab Order: 0710125
Client: Larson & Associates
Project: JHHC Frisco State "A"

ANALYTICAL DATES REPORT

Sample ID	Client Sample ID	Matrix	Test Number	Test Name	Batch ID	Dilution	Analysis Date	Run ID
0710125-01A	TMW-1	Aqueous	SW8021B	Volatile Organics by GC	27567	1	10/16/07 01:48 PM	GC9_071016A
0710125-01C	TMW-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	27555	1	10/16/07 11:37 PM	ICP-MS3_071016A
	TMW-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	27555	10	10/16/07 10:39 PM	ICP-MS3_071016A
	TMW-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	27555	1	10/17/07 10:15 PM	ICP-MS2_071017A
	TMW-1	Aqueous	SW6020	Dissolved Metals-ICPMS (0.45µ)	27555	10	10/17/07 09:19 PM	ICP-MS2_071017A
	TMW-1	Aqueous	SW7470A	Mercury Filtered (0.45µ)	27566	1	10/17/07 10:42 AM	CETAC_HG_071017C
0710125-01E	TMW-1	Aqueous	M2320 B	Alkalinity	R34145	1	10/16/07 12:56 PM	TITRATOR_071016B
	TMW-1	Aqueous	E300	Anions by IC method - Water	R34146	2	10/16/07 11:59 AM	IC2_071016A
	TMW-1	Aqueous	E300	Anions by IC method - Water	R34146	1	10/16/07 10:51 AM	IC2_071016A
	TMW-1	Aqueous	M4500-H+ B	pH	R34144	1	10/16/07 12:31 PM	TITRATOR_071016A
	TMW-1	Aqueous	M2540C	Total Dissolved Solids	TDS_W-10/16/07	1	10/17/07 08:20 AM	WC_071016B

DHL Analytical

Date: *18-Oct-07*

CLIENT:	Larson & Associates	**Client Sample ID:**	TMW-1
Project:	JHHC Frisco State "A"	**Lab ID:**	0710125-01
Project No:	7-0111	**Collection Date:**	10/15/07 09:40 AM
Lab Order:	0710125	**Matrix:**	AQUEOUS

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed
VOLATILE ORGANICS BY GC		**SW8021B**					Analyst: **JAW**
Benzene	ND	0.000800	0.00200		mg/L	1	10/16/07 01:48 PM
Ethylbenzene	ND	0.00200	0.00600		mg/L	1	10/16/07 01:48 PM
Toluene	ND	0.00200	0.00600		mg/L	1	10/16/07 01:48 PM
Xylenes, Total	ND	0.00300	0.00900		mg/L	1	10/16/07 01:48 PM
Surr: a,a,a-Trifluorotoluene	100	0	87-113		%REC	1	10/16/07 01:48 PM
MERCURY FILTERED (0.45µ)		**SW7470A**					Analyst: **JCG**
Mercury	ND	0.0000800	0.000200		mg/L	1	10/17/07 10:42 AM
DISSOLVED METALS-ICPMS (0.45µ)		**SW6020**					Analyst: **KDT**
Arsenic	0.0156	0.00200	0.00600		mg/L	1	10/16/07 11:37 PM
Barium	0.0461	0.00300	0.0100		mg/L	1	10/16/07 11:37 PM
Cadmium	ND	0.000300	0.00100		mg/L	1	10/17/07 10:15 PM
Calcium	45.2	1.00	1.00		mg/L	10	10/17/07 09:19 PM
Chromium	ND	0.00200	0.00600		mg/L	1	10/16/07 11:37 PM
Lead	ND	0.000300	0.00100		mg/L	1	10/16/07 11:37 PM
Magnesium	19.7	1.00	1.00		mg/L	10	10/16/07 10:39 PM
Potassium	4.55	0.100	0.100		mg/L	1	10/16/07 11:37 PM
Selenium	0.00608	0.00200	0.00600		mg/L	1	10/16/07 11:37 PM
Silver	ND	0.00100	0.00200		mg/L	1	10/17/07 10:15 PM
Sodium	83.4	1.00	1.00		mg/L	10	10/16/07 10:39 PM
ANIONS BY IC METHOD - WATER		**E300**					Analyst: **JBC**
Chloride	61.9	0.600	2.00		mg/L	2	10/16/07 11:59 AM
Fluoride	3.21	0.100	0.400		mg/L	1	10/16/07 10:51 AM
Nitrate-N	1.59	0.100	0.500		mg/L	1	10/16/07 10:51 AM
Sulfate	92.0	1.00	3.00		mg/L	1	10/16/07 10:51 AM
ALKALINITY		**M2320 B**					Analyst: **JBC**
Alkalinity, Bicarbonate (As CaCO3)	218	10.0	20.0		mg/L	1	10/16/07 12:56 PM
Alkalinity, Carbonate (As CaCO3)	ND	10.0	20.0		mg/L	1	10/16/07 12:56 PM
Alkalinity, Hydroxide (As CaCO3)	ND	10.0	20.0		mg/L	1	10/16/07 12:56 PM
Alkalinity, Total (As CaCO3)	218	10.0	20.0		mg/L	1	10/16/07 12:56 PM
PH		**M4500-H+ B**					Analyst: **JBC**
pH	7.38	0	0		pH Units	1	10/16/07 12:31 PM
TOTAL DISSOLVED SOLIDS		**M2540C**					Analyst: **JBC**
Total Dissolved Solids (Residue, Filterable)	516	10.0	10.0		mg/L	1	10/17/07 08:20 AM

Qualifiers

*	Value exceeds TCLP Maximum Concentration Level	B	Analyte detected in the associated Method Blank
C	Sample Result or QC discussed in the Case Narrative	DF	Dilution Factor
E	TPH pattern not Gas or Diesel Range Pattern	J	Analyte detected between MDL and RL
MDL	Method Detection Limit	ND	Not Detected at the Method Detection Limit
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

DHL Analytical

Date: *18-Oct-07*

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC9_071016A

Sample ID	LCS-27567	Batch ID:	27567	TestNo:	SW8021B	Units:	mg/L
SampType:	LCS	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 11:29:40 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0505	0.00200	0.0500	0	101	81	125			
Toluene	0.0516	0.00600	0.0500	0	103	84	123			
Ethylbenzene	0.0494	0.00600	0.0500	0	98.8	83	119			
Xylenes, Total	0.152	0.00900	0.150	0	101	81	117			
Surr: a,a,a-Trifluorotoluene	204		200.0		102	87	113			

Sample ID	MB-27567	Batch ID:	27567	TestNo:	SW8021B	Units:	mg/L
SampType:	MBLK	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 11:46:49 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.00200								
Toluene	ND	0.00600								
Ethylbenzene	ND	0.00600								
Xylenes, Total	ND	0.00900								
Surr: a,a,a-Trifluorotoluene	199		200.0		99.3	87	113			

Sample ID	0710122-01AMS	Batch ID:	27567	TestNo:	SW8021B	Units:	mg/L
SampType:	MS	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 1:14:09 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0506	0.00200	0.0500	0	101	81	125			
Toluene	0.0512	0.00600	0.0500	0	102	84	123			
Ethylbenzene	0.0505	0.00600	0.0500	0	101	83	119			
Xylenes, Total	0.154	0.00900	0.150	0	103	81	117			
Surr: a,a,a-Trifluorotoluene	203		200.0		101	87	113			

Sample ID	0710122-01AMSD	Batch ID:	27567	TestNo:	SW8021B	Units:	mg/L
SampType:	MSD	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 1:31:17 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0491	0.00200	0.0500	0	98.2	81	125	2.92	20	
Toluene	0.0496	0.00600	0.0500	0	99.2	84	123	3.26	20	
Ethylbenzene	0.0483	0.00600	0.0500	0	96.6	83	119	4.35	20	
Xylenes, Total	0.148	0.00900	0.150	0	98.6	81	117	4.30	20	
Surr: a,a,a-Trifluorotoluene	199		200.0		99.7	87	113	0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: GC9_071016A

Sample ID	ICV-071016	Batch ID:	R34147	TestNo:	SW8021B	Units:	mg/L
SampType:	ICV	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 11:12:30 A	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0976	0.00200	0.100	0	97.6	85	115			
Toluene	0.102	0.00600	0.100	0	102	85	115			
Ethylbenzene	0.0982	0.00600	0.100	0	98.2	85	115			
Xylenes, Total	0.300	0.00900	0.300	0	100	85	115			
Surr: a,a,a-Trifluorotoluene	205		200.0		103	87	113			

Sample ID	CCV1-071016	Batch ID:	R34147	TestNo:	SW8021B	Units:	mg/L
SampType:	CCV	Run ID:	GC9_071016A	Analysis Date:	10/16/2007 2:48:18 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.0491	0.00200	0.0500	0	98.1	85	115			
Toluene	0.0499	0.00600	0.0500	0	99.9	85	115			
Ethylbenzene	0.0483	0.00600	0.0500	0	96.6	85	115			
Xylenes, Total	0.147	0.00900	0.150	0	98.1	85	115			
Surr: a,a,a-Trifluorotoluene	204		200.0		102	87	113			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_071017C

Sample ID	MB-27566	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	MBLK	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:34:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.000200								

Sample ID	LCS-27566	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	LCS	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:36:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00203	0.000200	0.00200	0	102	85	115			

Sample ID	LCSD-27566	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	LCSD	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:38:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00203	0.000200	0.00200	0	102	85	115	0	15	

Sample ID	0710126-01B MS	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	MS	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:46:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0198	0.00200	0.0200	0	99.0	80	120			

Sample ID	0710126-01B MSD	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	MSD	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:48:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0201	0.00200	0.0200	0	101	80	120	1.50	15	

Sample ID	0710126-01B PDS	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	PDS	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:50:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.0243	0.00200	0.0250	0	97.2	85	115			

Sample ID	0710126-01B SD	Batch ID:	27566	TestNo:	SW7470A	Units:	mg/L
SampType:	SD	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:52:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0	0.0100	0	0				0	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: CETAC_HG_071017C

Sample ID	ICV-071017	Batch ID:	R34165	TestNo:	SW7470A	Units:	mg/L
SampType:	ICV	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:30:00 A	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00408	0.000200	0.00400	0	102	90	110			

Sample ID	CCV-071017	Batch ID:	R34165	TestNo:	SW7470A	Units:	mg/L
SampType:	CCV	Run ID:	CETAC_HG_071017C	Analysis Date:	10/17/2007 10:54:00 A	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.00210	0.000200	0.00200	0	105	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_071017A

Sample ID	MB-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MBLK	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 9:56:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	ND	0.00100								
Calcium	ND	0.100								
Silver	ND	0.00200								

Sample ID	FILTER BLANK-275	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MBLK	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:01:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	ND	0.00100								
Calcium	ND	0.100								
Silver	ND	0.00200								

Sample ID	LCS-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	LCS	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:06:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.198	0.00100	0.200	0	99.0	80	120			
Calcium	4.79	0.100	5.00	0	95.8	80	120			
Silver	0.198	0.00200	0.200	0	99.1	80	120			

Sample ID	LCSD-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	LCSD	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:10:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.203	0.00100	0.200	0	101	80	120	2.34	15	
Calcium	5.19	0.100	5.00	0	104	80	120	8.07	15	
Silver	0.205	0.00200	0.200	0	103	80	120	3.42	15	

Sample ID	0710125-01C SD	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	SD	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:20:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0	0.00500	0	0				0	10	
Calcium	48.2	0.500	0	46.0				4.65	10	
Silver	0	0.0100	0	0				0	10	

Sample ID	0710125-01C MS	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MS	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:25:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_071017A

Sample ID	0710125-01C MS	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MS	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:25:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.201	0.00100	0.200	0	101	80	120			
Calcium	51.9	0.100	5.00	46.0	117	80	120			
Silver	0.212	0.00200	0.200	0	106	80	120			

Sample ID	0710125-01C MSD	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MSD	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:29:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.201	0.00100	0.200	0	100	80	120	0.299	15	
Calcium	51.4	0.100	5.00	46.0	107	80	120	0.949	15	
Silver	0.202	0.00200	0.200	0	101	80	120	4.89	15	

Sample ID	0710125-01C PDS	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	PDS	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:34:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.187	0.00100	0.200	0	93.6	75	125			
Calcium	48.4	0.100	5.00	46.0	47.4	75	125			S
Silver	0.192	0.00200	0.200	0	96.2	75	125			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS2_071017A

Sample ID	ICV2-071017	Batch ID:	R34180	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 4:27:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.0988	0.00100	0.100	0	98.8	90	110			
Calcium	2.41	0.100	2.50	0	96.3	90	110			
Silver	0.0996	0.00200	0.100	0	99.6	90	110			

Sample ID	CCV8-071017	Batch ID:	R34180	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 8:56:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Calcium	4.85	0.100	5.00	0	97.0	90	110			

Sample ID	CCV9-071017	Batch ID:	R34180	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 9:38:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.194	0.00100	0.200	0	96.9	90	110			
Calcium	4.76	0.100	5.00	0	95.2	90	110			
Silver	0.196	0.00200	0.200	0	98.0	90	110			

Sample ID	CCV10-071017	Batch ID:	R34180	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS2_071017A	Analysis Date:	10/17/2007 10:43:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Cadmium	0.194	0.00100	0.200	0	97.2	90	110			
Calcium	4.78	0.100	5.00	0	95.6	90	110			
Silver	0.198	0.00200	0.200	0	98.8	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_071016A

Sample ID	MB-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MBLK	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:14:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.00600								
Barium	ND	0.0100								
Chromium	ND	0.00600								
Lead	ND	0.00100								
Magnesium	ND	0.100								
Potassium	ND	0.100								
Selenium	ND	0.00600								
Sodium	ND	0.100								

Sample ID	FILTER BLANK-275	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MBLK	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:19:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	0.00600								
Barium	ND	0.0100								
Chromium	ND	0.00600								
Lead	ND	0.00100								
Magnesium	ND	0.100								
Potassium	ND	0.100								
Selenium	ND	0.00600								
Sodium	ND	0.100								

Sample ID	LCS-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	LCS	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:23:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.189	0.00600	0.200	0	94.6	80	120			
Barium	0.197	0.0100	0.200	0	98.5	80	120			
Chromium	0.200	0.00600	0.200	0	99.8	80	120			
Lead	0.204	0.00100	0.200	0	102	80	120			
Magnesium	4.75	0.100	5.00	0	94.9	80	120			
Potassium	4.82	0.100	5.00	0	96.4	80	120			
Selenium	0.194	0.00600	0.200	0	96.8	80	120			
Sodium	4.80	0.100	5.00	0	96.0	80	120			

Sample ID	LCSD-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	LCSD	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:28:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.193	0.00600	0.200	0	96.5	80	120	1.94	15	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_071016A

Sample ID	LCSD-27555	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	LCSD	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:28:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Barium	0.202	0.0100	0.200	0	101	80	120	2.26	15	
Chromium	0.202	0.00600	0.200	0	101	80	120	1.39	15	
Lead	0.208	0.00100	0.200	0	104	80	120	2.04	15	
Magnesium	4.88	0.100	5.00	0	97.5	80	120	2.70	15	
Potassium	4.92	0.100	5.00	0	98.3	80	120	1.95	15	
Selenium	0.195	0.00600	0.200	0	97.7	80	120	0.874	15	
Sodium	4.88	0.100	5.00	0	97.6	80	120	1.74	15	

Sample ID	0710125-01C SD	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	SD	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:41:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0164	0.0300	0	0.0156				4.85	10	
Barium	0.0490	0.0500	0	0.0461				6.03	10	
Chromium	0	0.0300	0	0				0	10	
Lead	0	0.00500	0	0				0	10	
Magnesium	19.5	0.500	0	18.3				6.58	10	
Potassium	4.78	0.500	0	4.55				4.85	10	
Selenium	0	0.0300	0	0.00608				0	10	
Sodium	83.3	0.500	0	81.1				2.68	10	

Sample ID	0710125-01C MS	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MS	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:46:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.206	0.00600	0.200	0	103	80	120			
Barium	0.253	0.0100	0.200	0	127	80	120			S
Chromium	0.200	0.00600	0.200	0	100	80	120			
Lead	0.212	0.00100	0.200	0	106	80	120			
Magnesium	23.3	0.100	5.00	0	466	80	120			S
Potassium	9.42	0.100	5.00	0	188	80	120			S
Selenium	0.190	0.00600	0.200	0	95.0	80	120			
Sodium	88.0	0.100	5.00	0	1760	80	120			S

Sample ID	0710125-01C MSD	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MSD	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:50:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.207	0.00600	0.200	0	103	80	120	0.0969	15	
Barium	0.252	0.0100	0.200	0	126	80	120	0.356	15	S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_071016A

Sample ID	0710125-01C MSD	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	MSD	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:50:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chromium	0.199	0.00600	0.200	0	99.3	80	120	0.702	15	
Lead	0.212	0.00100	0.200	0	106	80	120	0.377	15	
Magnesium	22.8	0.100	5.00	0	456	80	120	2.17	15	S
Potassium	9.30	0.100	5.00	0	186	80	120	1.25	15	S
Selenium	0.191	0.00600	0.200	0	95.6	80	120	0.682	15	
Sodium	86.2	0.100	5.00	0	1720	80	120	2.08	15	S

Sample ID	0710125-01C PDS	Batch ID:	27555	TestNo:	SW6020	Units:	mg/L
SampType:	PDS	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:55:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.196	0.00600	0.200	0	98.2	75	125			
Barium	0.237	0.0100	0.200	0	119	75	125			
Chromium	0.188	0.00600	0.200	0	93.8	75	125			
Lead	0.202	0.00100	0.200	0	101	75	125			
Magnesium	21.8	0.100	5.00	0	436	75	125			S
Potassium	8.84	0.100	5.00	0	177	75	125			S
Selenium	0.182	0.00600	0.200	0	91.2	75	125			
Sodium	82.6	0.100	5.00	0	1650	75	125			S

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_071016A

Sample ID	ICV2-071016	Batch ID:	R34169	TestNo:	SW6020	Units:	mg/L
SampType:	ICV	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 5:57:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.0996	0.00600	0.100	0	99.6	90	110			
Barium	0.104	0.0100	0.100	0	104	90	110			
Chromium	0.104	0.00600	0.100	0	104	90	110			
Lead	0.109	0.00100	0.100	0	109	90	110			
Magnesium	2.48	0.100	2.50	0	99.4	90	110			
Potassium	2.47	0.100	2.50	0	98.8	90	110			
Selenium	0.0985	0.00600	0.100	0	98.5	90	110			
Sodium	2.55	0.100	2.50	0	102	90	110			

Sample ID	CCV7-071016	Batch ID:	R34169	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 10:04:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Magnesium	4.80	0.100	5.00	0	96.1	90	110			
Sodium	4.81	0.100	5.00	0	96.2	90	110			

Sample ID	CCV8-071016	Batch ID:	R34169	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_071016A	Analysis Date:	10/16/2007 11:01:00 P	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.191	0.00600	0.200	0	95.4	90	110			
Barium	0.199	0.0100	0.200	0	99.3	90	110			
Chromium	0.199	0.00600	0.200	0	99.6	90	110			
Lead	0.206	0.00100	0.200	0	103	90	110			
Magnesium	4.83	0.100	5.00	0	96.7	90	110			
Potassium	4.83	0.100	5.00	0	96.6	90	110			
Selenium	0.196	0.00600	0.200	0	97.8	90	110			
Sodium	4.88	0.100	5.00	0	97.6	90	110			

Sample ID	CCV9-071016	Batch ID:	R34169	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_071016A	Analysis Date:	10/17/2007 12:03:00 A	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	0.189	0.00600	0.200	0	94.4	90	110			
Barium	0.198	0.0100	0.200	0	98.9	90	110			
Chromium	0.199	0.00600	0.200	0	99.7	90	110			
Lead	0.202	0.00100	0.200	0	101	90	110			
Magnesium	4.83	0.100	5.00	0	96.6	90	110			
Potassium	4.85	0.100	5.00	0	97.0	90	110			
Selenium	0.194	0.00600	0.200	0	96.8	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: ICP-MS3_071016A

Sample ID	CCV9-071016	Batch ID:	R34169	TestNo:	SW6020	Units:	mg/L
SampType:	CCV	Run ID:	ICP-MS3_071016A	Analysis Date:	10/17/2007 12:03:00 A	Prep Date:	

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Sodium	4.88	0.100	5.00	0	97.5	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_071016A

Sample ID	ICV-071016	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	ICV	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 9:40:24 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	25.2	1.00	25.00	0	101	90	110			
Fluoride	10.7	0.400	10.00	0	107	90	110			
Nitrate-N	12.8	0.500	12.50	0	103	90	110			
Sulfate	77.3	3.00	75.00	0	103	90	110			

Sample ID	MB-071016	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	MBLK	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 10:07:28 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.00								
Fluoride	ND	0.400								
Nitrate-N	ND	0.500								
Sulfate	ND	3.00								

Sample ID	LCS-071016	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	LCS	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 10:22:08 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.97	1.00	10.00	0	99.7	90	110			
Fluoride	4.18	0.400	4.000	0	104	90	110			
Nitrate-N	4.98	0.500	5.000	0	99.6	90	110			
Sulfate	30.7	3.00	30.00	0	102	90	110			

Sample ID	LCSD-071016	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	LCSD	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 10:36:48 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	10.0	1.00	10.00	0	100	90	110	0.253	20	
Fluoride	4.18	0.400	4.000	0	104	90	110	0.0527	20	
Nitrate-N	5.00	0.500	5.000	0	100	90	110	0.451	20	
Sulfate	30.8	3.00	30.00	0	103	90	110	0.335	20	

Sample ID	0710125-01EMS	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	MS	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 11:30:20 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	6.00	0.400	4.000	1.925	102	90	110			
Nitrate-N	5.89	0.500	5.000	0.9563	98.7	90	110			
Sulfate	85.5	3.00	30.00	55.21	101	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank
J	Analyte detected between MDL and RL
ND	Not Detected at the Method Detection Limit
RL	Reporting Limit
N	Parameter not NELAC certified
DF	Dilution Factor
MDL	Method Detection Limit
R	RPD outside accepted control limits
S	Spike Recovery outside control limits

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: IC2_071016A

Sample ID	0710125-01E MSD	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	MSD	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 11:45:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Fluoride	5.98	0.400	4.000	1.925	101	90	110	0.322	20	
Nitrate-N	5.92	0.500	5.000	0.9563	99.3	90	110	0.523	20	
Sulfate	85.7	3.00	30.00	55.21	102	90	110	0.325	20	

Sample ID	0710125-01E MS	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	MS	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 12:14:21 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	56.4	2.00	20.00	37.15	96.4	90	110			

Sample ID	0710125-01E MSD	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	MSD	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 12:29:01 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	56.6	2.00	20.00	37.15	97.0	90	110	0.206	20	

Sample ID	CCV1-071016	Batch ID:	R34146	TestNo:	E300	Units:	mg/L
SampType:	CCV	Run ID:	IC2_071016A	Analysis Date:	10/16/2007 1:13:03 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Chloride	9.94	1.00	10.00	0	99.4	90	110			
Fluoride	4.00	0.400	4.000	0	100	90	110			
Nitrate-N	4.96	0.500	5.000	0	99.1	90	110			
Sulfate	30.8	3.00	30.00	0	103	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_071016A

Sample ID	ICV-071016	Batch ID:	R34144	TestNo:	M4500-H+ B	Units:	pH Units
SampType:	ICV	Run ID:	TITRATOR_071016A	Analysis Date:	10/16/2007 12:30:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
pH	9.94	0	10.00	0	99.4	99	101			

Sample ID	0710125-01E DUP	Batch ID:	R34144	TestNo:	M4500-H+ B	Units:	pH Units
SampType:	DUP	Run ID:	TITRATOR_071016A	Analysis Date:	10/16/2007 12:32:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
pH	7.50	0	0	7.380				1.61	15	

Sample ID	CCV-071016	Batch ID:	R34144	TestNo:	M4500-H+ B	Units:	pH Units
SampType:	CCV	Run ID:	TITRATOR_071016A	Analysis Date:	10/16/2007 12:33:00 P	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
pH	7.08	0	7.000	0	101	97.1	102.9			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: TITRATOR_071016B

Sample ID ICV-071016	Batch ID: R34145	TestNo: M2320 B	Units: mg/L
SampType: ICV	Run ID: TITRATOR_071016B	Analysis Date: 10/16/2007 12:46:00 P	Prep Date: 10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	8.40	20.0	0							
Alkalinity, Carbonate (As CaCO3)	91.0	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	99.4	20.0	100.0	0	99.4	98	102			

Sample ID MB-071016	Batch ID: R34145	TestNo: M2320 B	Units: mg/L
SampType: MBLK	Run ID: TITRATOR_071016B	Analysis Date: 10/16/2007 12:47:00 P	Prep Date: 10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	ND	20.0								
Alkalinity, Carbonate (As CaCO3)	ND	20.0								
Alkalinity, Hydroxide (As CaCO3)	ND	20.0								
Alkalinity, Total (As CaCO3)	ND	20.0								

Sample ID LCS-071016	Batch ID: R34145	TestNo: M2320 B	Units: mg/L
SampType: LCS	Run ID: TITRATOR_071016B	Analysis Date: 10/16/2007 12:51:00 P	Prep Date: 10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	52.1	20.0	50.00	0	104	74	129			

Sample ID 0710125-01E DUP	Batch ID: R34145	TestNo: M2320 B	Units: mg/L
SampType: DUP	Run ID: TITRATOR_071016B	Analysis Date: 10/16/2007 1:01:00 P	Prep Date: 10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	223	20.0	0	217.7				2.42	20	
Alkalinity, Carbonate (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0	0				0	20	
Alkalinity, Total (As CaCO3)	223	20.0	0	217.7				2.42	20	

Sample ID CCV-071016	Batch ID: R34145	TestNo: M2320 B	Units: mg/L
SampType: CCV	Run ID: TITRATOR_071016B	Analysis Date: 10/16/2007 1:06:00 P	Prep Date: 10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Alkalinity, Bicarbonate (As CaCO3)	10.4	20.0	0							
Alkalinity, Carbonate (As CaCO3)	89.0	20.0	0							
Alkalinity, Hydroxide (As CaCO3)	0	20.0	0							
Alkalinity, Total (As CaCO3)	99.4	20.0	100.0	0	99.4	90	110			

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

CLIENT: Larson & Associates
Work Order: 0710125
Project: JHHC Frisco State "A"

ANALYTICAL QC SUMMARY REPORT

RunID: WC_071016B

Sample ID	MB-071016	Batch ID:	TDS_W-10/16/07	TestNo:	M2540C	Units:	mg/L
SampType:	MBLK	Run ID:	WC_071016B	Analysis Date:	10/17/2007 8:20:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	ND	10.0								

Sample ID	LCS-071016	Batch ID:	TDS_W-10/16/07	TestNo:	M2540C	Units:	mg/L
SampType:	LCS	Run ID:	WC_071016B	Analysis Date:	10/17/2007 8:20:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	756	10.0	745.6	0	101	70	126			

Sample ID	0710125-01E DUP	Batch ID:	TDS_W-10/16/07	TestNo:	M2540C	Units:	mg/L
SampType:	DUP	Run ID:	WC_071016B	Analysis Date:	10/17/2007 8:20:00 A	Prep Date:	10/16/2007

Analyte	Result	RL	SPK value	Ref Val	%REC	Low Limit	HighLimit	%RPD	RPDLimit	Qual
Total Dissolved Solids (Residue, Filtera	513	10.0	0	516.0				0.583	5	

Qualifiers:

B	Analyte detected in the associated Method Blank	DF	Dilution Factor
J	Analyte detected between MDL and RL	MDL	Method Detection Limit
ND	Not Detected at the Method Detection Limit	R	RPD outside accepted control limits
RL	Reporting Limit	S	Spike Recovery outside control limits
N	Parameter not NELAC certified		

APPENDIX B

Boring Logs and Well Record

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC Start: 09.20 Stop: 09:35	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 5 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
		Silty sand, 5 YR 5/6 to 5/8, yellowish red, very fine grained quartz, sand poorly sorted, stained from 0-1'	SM			1	93	4	0 2	9.25
	4					2	0.1		4	9.35
						3	0.0		6	09.35
						4	0.1		8	
	8	TD 8'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: E end of Battery
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

LAarson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
8-21-07	SP-1

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 09:46 STOP: 10.00	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 1.0 (2 4 6 8 10 12 14 16 18)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
		Silty sand,5YR 3/3,				1	1.8	4	0 2	09:40
		dark reddish brown, very fine grained quartz sand, very poorly sorted, loose, hydrocarbon stained	SM			2	0.1		4	
		5 YR 5/6, yellowish red, very fine grained quartz sand, loose poorly sorted				3	0.1	3	6	10:00
	8					4	0.1		7	
		TD 8'				WR			8	

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ. FT.)
NR NO RECOVERY

LAarson & Associates, Inc.
Environmental Consultants

DRILL DATE: 8-21-07
BORING NUMBER: SP-2

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: W Side of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING (PPM X 5)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS
		START: 10.20 STOP: 10:25			2 4 6 8 10 12 14 16 18					BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	1	Calche, 7.5 YR 7/4 to 8/9, pink dry, fill	Caliche					2	0	
						1	2.0			10:25
		Silty sand, 5 YR 5/6 to 4/6,	SM						2	
						2	3.2			
	4	yellowish red, very fine grained quartz sand, poorly sorted, loose							4	
		TD 4'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE: 8-21-07
BORING NUMBER: SP-3

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: N of Btty
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 10:35 STOP: 10:40	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 10 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
		Silty sand, 5YR 5/6, yellowish red, very fine grained quartz sand, poorly sorted, loose, hydrocarbon stain	SM			1	0.1	4	0 2	10:40
	4	TD 4'				2	0.1		4	

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE: 8-21-07
BORING NUMBER: SP-4

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: NW of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 10:50 STOP: 11:00	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 100 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	4	Silty sand, 5 YR 5/6, yellowish red very fine grained quartz sand poorly sorted, moderately compacted, dry TD 4'	SM			1 2	0.1 0.1		0 2 4	11:00

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: W of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

LAarson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
8-21-07	SP-5

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 12:25 STOP: 12:40	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X_____ (2 4 6 8 10 12 14 16 18)	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL:_____PPM
		Silty clayey sand, 7.5 YR 4/4, reddish brown, very fine grained quartz sand. Clayey, low plasticity 5 YR 5/6 reddish yellow below 3'	SM			1	0.1	2	0 0	12:30
						2	0.1		4	
						3	0.1	1.5	4.5	
						NR			8	12:40
	8	TD 8'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ. FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE: 8-21-07

BORING NUMBER: SP-6

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: S of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 12:50 STOP: 12:55	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 100 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
		Silty sand, 5 YR 5/6,				1	0.1	4	0	12:55
		yellowish red,	SM						2	
		very fine grained				2	0.1			
		quartz sand,								
	4	poorly sorted,							4	
		loose								
		TD 4'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Aarson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
8-21-07	SP-7

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: S of TB & SP-6
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:00 STOP: 13:08	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 100 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	4	Silty sand, 5 YR 4/6, yellowish red, very fine grained quartz sand, poorly sorted, dry, slightly compacted TD 4'	Sm			1 2	0.1 0.1	4	0 2 4	13:08

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

LAarson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
8-21-07	SP-8

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: SW of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:15 STOP: 13:25	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 100 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL_____PPM SOIL_____PPM
		Silty -clayey sand 5 YR 3/4 to 4/4, dark reddish brown to reddish brown very fine grained quartz sand, clayey, poorly sorted, moderately firm	SM			1	0.1	4	0 2	13:20
						2	0.1		4	
						3	0.1	4	6	13:25
	7					4				
	8	Caliche, 5 YR 7/4, pink, very fine grained quartz sand, loose to slightly consolidated	Caliche						8	
		TD 8'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Aarson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
8-21-07	SP-9

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: SW of TB
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:33 STOP: 13:37	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 100 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	4	Silty sand, 5 YR 4/4, reddish brown, very fine grained quartz sand, poorly sorted, dry, loose 5YR 5/6, yellowish red below 2' TD 4'	SM			1 2	0.1 0.1	4	0 2 4	13:37

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE: 8-21-07
BORING NUMBER: SP-10

JOB NAME/NUMBER: JHHC / 7-0111
HOLE DIAMETER: 1.5"
LOCATION: W of SP-9
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: LAI
DRILLING METHOD: DP

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:20 STOP: 14:30	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 0.1 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
						0	0.1		0	10:47
	8 10	Silty sand,5YR 4/6, Yellowish red, very fine grained quartz sand, poorly sorted, subround	SM			10	0.1			10:55
	20					20	0.1			11:05
	26	Caliche 7.5 YR 8/2, pinkish white, sandy, very fine to medium grained sand, poorly sorted, moderately hard to very hard	Caliche			30	0.1			12:25
	40					40	0.1			12:50
	50	Sand, 5 YR 7/3, pink, very fine grained quartz sand, poorly sorted, unconsolidated, dry interbedded with thin beds of very well cemented sandstone	SW			50	0.1			13:00
		TD 50'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
10-10-07	BH-1

JOB NAME/NUMBER: JHHC Frisco Ste A / 7-0111
HOLE DIAMETER: 5"
LOCATION: S End of Excavation (Ramp)
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: Scarborough
DRILLING METHOD: AR

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:20 STOP: 14:30	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 0.1 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL:_____PPM SOIL:_____PPM
						1	0.1		0	13:23
	10	Silty sand,5YR 5/6, Yellowish red, very fine grained quartz sand, poorly sorted, dry, 2.5 YR 5/8. Red below 3'	SM			2	0.1		10'	13:30
	12									
	20					3	0.1		20'	13:40
	30	Caliche 7.5 YR 8/1, white, very fine grained quartz sand, poorly sorted, moderately hard, dry	Caliche			4	0.1		30'	13:55
	38									
	40					5	0.1		40'	14:00
	50	Sand, 7.5 YR 7/4, pink, very fine grained quartz sand, poorly sorted, unconsolidated Interbedded with thin beds of very well cemented sandstone	SW			6	0.1		50'	14:15
	60					7	0.1		60'	14:25
	70					8	0.1		70'	15:00
		TD 70'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
10-10-07	BH-2

JOB NAME/NUMBER: JHHC Frisco Ste A / 7-0111
HOLE DIAMETER: 5"
LOCATION: N End of Excavation (Ramp)
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: Scarborough
DRILLING METHOD: AR

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:20 STOP: 14:30	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 0.1 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	0	Silty clayey sand				0	0.1		0	0805
		5 YR 4/6, yellowish	SM							
		red very fine grained								
	10	quartz sand,				2	0.1		10'	0815
		poorly sorted, slightly								
		compacted								
	20					3	0.1		20'	0825
		Caliche,								
		7.5 YR 8/1 to 8/1,	Caliche							
	30	white to pink, sandy,				4	0.1		30'	0840
		very fine grained quartz								
		sand, moderately hard								
	40					5	0.1		40'	0850
	42									
		Sand, 5 YR 7/6,								
		reddish yellow,	SW							
		very fine grained								
	50	quartz sand,				6	0.1		50'	0900
		poorly sorted,								
		poorly to moderately well								
		cemented, dry								
		TD 50'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
LABORATORY TEST LOCATION
PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE: 10-11-07
BORING NUMBER: BH-3

JOB NAME/NUMBER: JHHC Frisco Ste A / 7-0111
HOLE DIAMETER: 5"
LOCATION: NW of Excavation (Ramp)
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: Scarborough
DRILLING METHOD: AR

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START. 09:10 STOP: 10:20	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 0.1 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL:_____PPM
						0	0.1		0	09:10
		Silty clayey sand, 5YR 5/8, Yellowish red, very fine grained quartz sand, poorly sorted, loose, dry	SM			2	0.1		10'	09:23
	10 12									
	20					3	0.1		20'	09:35
		Caliche 7.5 YR 8/1 to 8/2, white to pinkish white, sandy, very fine grained quartz sand, dry	Caliche							
	30					4	0.1		30'	09:47
	32									
	40					5	0.1		40'	09:55
		Sand, 5 YR 7/2, pink, very fine grained quartz sand, poorly sorted	SW							
	50					NS			50'	10:20 No Sample
		TD 50'								

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
10-11-07	BH-4

JOB NAME/NUMBER: JHHC Frisco Ste A / 7-0111
HOLE DIAMETER: 5"
LOCATION: E of BH-2
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: Scarborough
DRILLING METHOD: AR

BORING RECORD

GEOLOG. UNIT	DEPTH (1"=5')	DESCRIPTION LITHOLOGIC START: 13:20 STOP: 14:30	UNIFIED SOIL CLASSIFICATION	GRAPHIC LOG	PID READING PPM X 1 2 4 6 8 10 12 14 16 18	SAMPLE NUMBER	SAMPLE PID READING	SAMPLE RECOVERY	SAMPLE DEPTH	REMARKS BACKGROUND PID READING_ SOIL _____PPM SOIL _____PPM
	0					0	8.4		0	10:40
	10	Silty clayey sand, 5YR 5/8, Yellowish red, very fine grained quartz sand, poorly sorted, slightly compacted, dry, slight odor	SM			2	0.3		10	11:00
	20					3	0.5		20	11:10
	30	Caliche 7.5 YR 8/1 to 8/2, white to pinkish white, sandy, very fine grained quartz sand	Caliche			4	0.1		30	11:25
	40		SW			5	0.1		40	13:35
	50	Sand, 5 YR 7/4, pink, very fine grained quartz sand, poorly sorted, dry, unconsolidated, interbedded with thin beds of moderately well cemeted sandstone TD 50'				NS			50	11:42 No Sample

ONE CONTINUOUS AUGER SAMPLER
STANDARD PENETRATION TEST
UNDISTURBED SAMPLE
WATER TABLE (24 HOURS)
WATER TABLE (TIME of BORING)
L LABORATORY TEST LOCATION
+ PENETROMETER (TONS/SQ FT)
NR NO RECOVERY

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE	BORING NUMBER
10-11-07	BH-5

JOB NAME/NUMBER: JHHC Frisco Ste A / 7-0111
HOLE DIAMETER: 5"
LOCATION: E of BH-2
LA GEOLOGIST: MJL
DRILLING CONTRACTOR: Scarborough
DRILLING METHOD: AR

CLIENT: JOHN H. HENDRIX CORP.

PROJECT: TMW-1 **LOG: MW-1**

PROJECT NO.: 7-0111 **GEOLOGIST:** MJL

LOCATION: LEA COUNTY, NEW MEXICO **PAGE:** 1 OF 1

SUBSURFACE PROFILE				SAMPLE					
DEPTH	DESCRIPTION	SYMBOL	ELEVATION	NUMBER	READING	DEPTH	PID MEASUREMENT (PPM X 2) 2 4 6 8 10 12 14 16 18 20	WELL DETAIL	NOTES
0	SILTY SAND 2.5YR 5/8, RED, VERY FINE TO MEDIUM GRAINED QUARTZ SAND, VERY POORLY SORTED, SLIGHTLY COMPACTED, DRY		-9	1	4	0'			WELL FINISHED WITH LOCKING CAP ABOVE GRADE COVER ANCHORED IN CONCRETE.
10	CALICHE 7.5YR 8/2, PINKISH WHITE, SANDY VERY FINE TO MEDIUM GRAINED QUARTZ SAND, CALCITE CRYSTALS			2	17	10'			
20				3	18.2	20'			1.00' - 82.00' BGS BENONITE CHIPS
30			-30	4	15.7	30'			
30	SILTY SAND 5YR 7/3, PINK, FINE TO VERY FINE GRAINED QUARTZ SAND, POORLY SORTED, UNCONSOLIDATED								
40				5	22.4	40'			
50				6	30.1	50'			0.00' - 89.41' BGS 2" SCH. 40 PVC THREADED RISER
55			-55						
60	SAND 5YR 7/4 TO 7/6, PINK TO REDDISH YELLOW, VERY FINE GRAINED QUARTZ SAND, POORLY SORTED, UNCONSOLIDATED WITH VERY HARD SANDSTONE, MOIST AT 62 FEET								
80									82.00' - 105.56' BGS 10-20 SILICA SAND
90									91.48' BGS WATER LEVEL, 10/24/07
100									89.41' - 104.66' BGS 2" SCH. 40 PVC THREADED SCREEN, 0.010" SLOTS
105									105.56' BGS
110			-110						110 0'
110	TD: 110.0'								

DRILLED BY: SCARBOROUGH

DRILL METHOD: WATER ROTARY

DRILL DATE: 10/10/07

HOLE DIAMETER: 6 1/8"

LARSON AND ASSOCIATES INC.
507 N. MARIENFELD, SUITE 202
MIDLAND, TEXAS 79701
(432) 687-0901

WELL SIZE: 2"

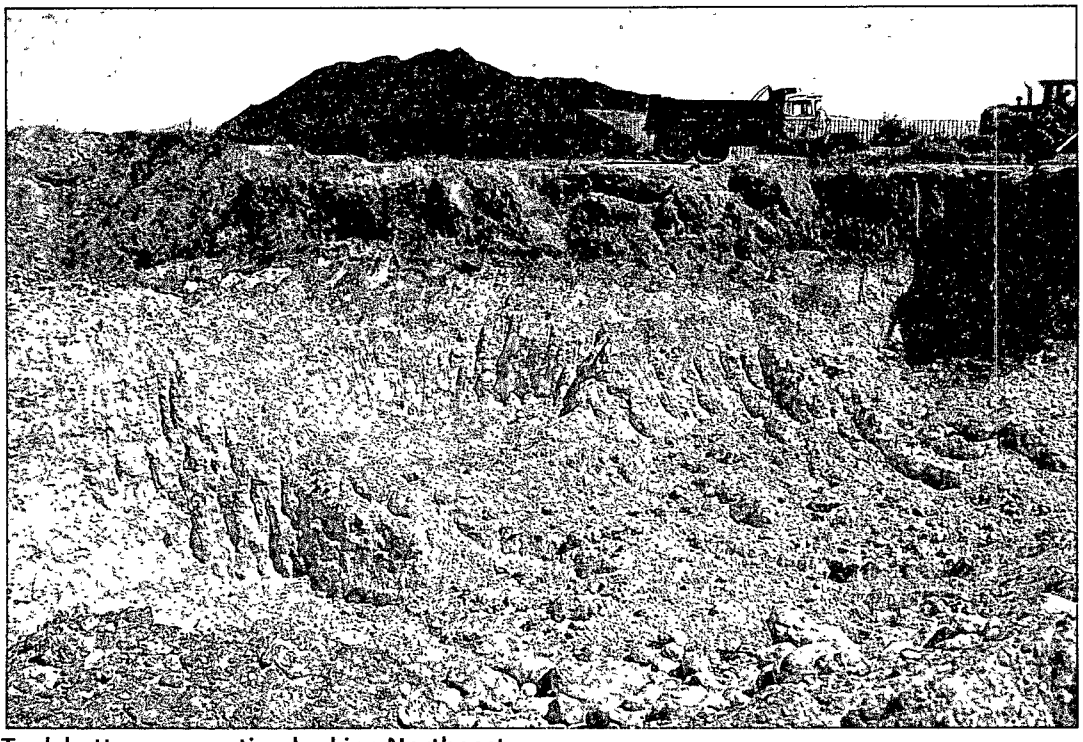
TOC ELEVATION: N/A

CHECKED BY: MJL

APPENDIX C

Photographs

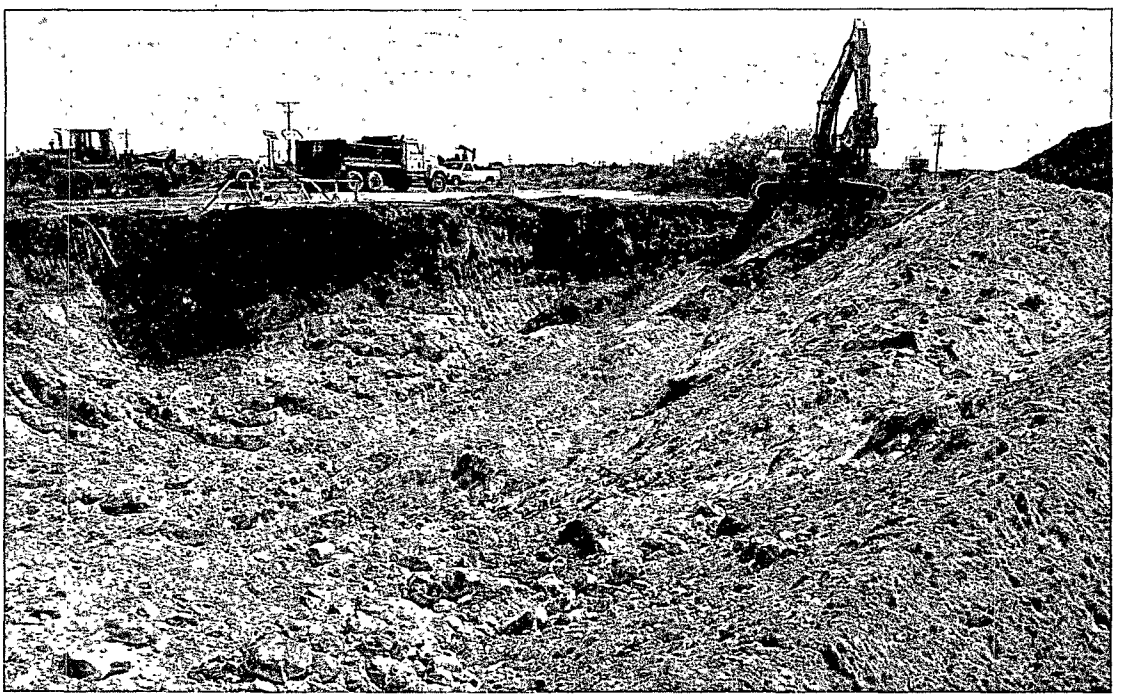
1RP-1454
John H. Hendrix Corporation
Frisco State A Tank Battery
Photograph Documentation
September 13, 2007



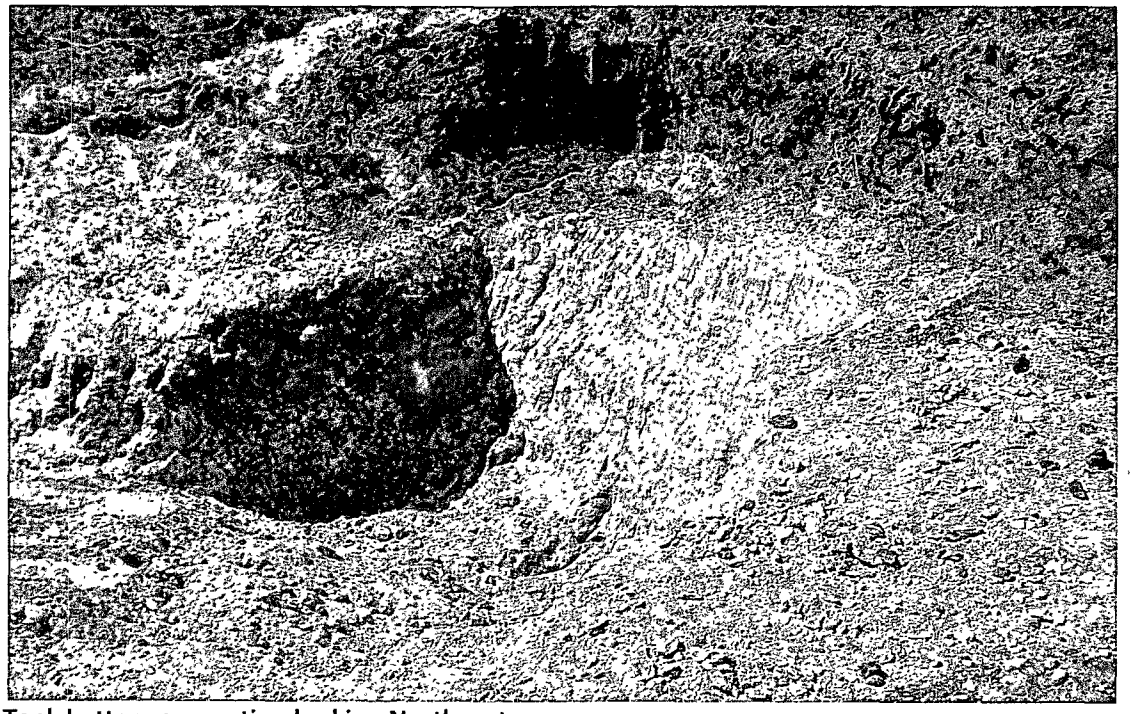
Tank battery excavation looking Northeast.

Tank battery excavation looking East.

1RP-1454
John H. Hendrix Corporation
Frisco State A Tank Battery
Photograph Documentation
September 13, 2007



Tank battery excavation looking Southeast.



Tank battery excavation looking Northeast.

APPENDIX D

Initial and Final C-141

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: John H. Hendrix Corporation	Contact: Marvin Burrows
Address: 1310 18th Street, Eunice, New Mexico 88231	Telephone No.: (505) 394-2649
Facility Name: Fristoe State A #1Tank Battery	Facility Type: Production Tank Battery

Surface Owner: State of New Mexico	Mineral Owner	Lease No.: NN23777

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
E	32	21S	37E					

Latitude: 32° 26' 18.6" North and Longitude: 103° 11' 22.8" West

NATURE OF RELEASE

Type of Release: Crude Oil and Produced Water	Volume of Release: .5 bbl oil / 0 bbl water	Volume Recovered: 0 bbl oil / 0 bbl water
Source of Release: Lightening	Date and Hour of Occurrence: 21:00 hrs on 06/26/2007	Date and Hour of Discovery: 22:00 hrs on 06/26/2007
Was Immediate Notice Given? ☐ Yes ☑ No ☐ Not Required	If YES, To Whom? NMOCD On-Call Representative (Pager)	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.	

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

Describe Cause of Problem and Remedial Action Taken.*
Lightening hit oil tank causing fire to burn the fiberglass tank and its contents of approximately 240 barrels of crude oil. The unfilled portion of an adjoining fiberglass water tank was also burned. Approximately ½ barrel of crude oil was lost on ground.

Describe Area Affected and Cleanup Action Taken.* Eunice Fire Department responded and fire had consumed the entire contents of the oil tank and an area measuring approximately 10 x 10 feet outside of firewall was affect by loss of approximately ½ barrel of oil . Samples will be collected from the affected area and contaminated soil will be hauled to the owner's centralized land farm (NM-02-0021) if needed.

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: Mark J. Larson	Approved by District Supervisor:	
Title: Sr. Project Manager / President, Larson and Associates, Inc. (agent for John H. Hendrix Corporation)	Approval Date:	Expiration Date:
E-mail Address: mark@laenvironmental.com	Conditions of Approval:	Attached ☐
Date: June 29, 2007 Phone: (432) 687-0901		

*

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
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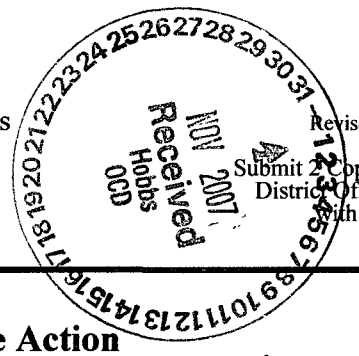
Santa Fe, ~~NM~~ 87505



Form C-141
Revised October 10, 2003

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

1RP-1454

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☑ Final Report

Name of Company: John H. Hendrix Corporation	Contact: Marvin Burrows
Address: 1310 18th Street, Eunice, New Mexico 88231	Telephone No.: (505) 394-2649
Facility Name: Fristoe State A #1Tank Battery	Facility Type: Production Tank Battery

Surface Owner: State of New Mexico	Mineral Owner	~~Lease No.~~: NN23777

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County: Lea
F	32	21S	37E					

Latitude: 32° 26' 18.6" North and Longitude: 103° 11' 22.8" West

NATURE OF RELEASE

Type of Release: Crude Oil and Produced Water	Volume of Release: .5 bbl oil / 0 bbl water	Volume Recovered: 0 bbl oil / 0 bbl water
Source of Release: Lightening	Date and Hour of Occurrence: 21:00 hrs on 06/26/2007	Date and Hour of Discovery: 22:00 hrs on 06/26/2007
Was Immediate Notice Given? ☐ Yes ☑ No ☐ Not Required	If YES, To Whom? NMOCD On-Call Representative (Pager)	
By Whom?	Date and Hour:	
Was a Watercourse Reached? ☐ Yes ☑ No	If YES, Volume Impacting the Watercourse.	

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

Describe Cause of Problem and Remedial Action Taken: Lightening struck oil tank causing fire to burn oil tank and fiberglass water tank. Oil tank and entire contents (240 barrels), except approximately ½ barrel, was consumed by the fire. The unfilled portion of the adjoining fiberglass water tank was also burned. Approximately ½ barrel of crude oil was lost. Excavated soil to reduce TPH, benzene and BTEX below RRAL and hauled to JHHC landfarm.

Describe Area Affected and Cleanup Action Taken: Eunice Fire Department responded, but fire had consumed the oil tank and unfilled portion of the fiberglass water tank. Affected area measuring approximately 10 x 10 feet outside of firewall due to loss of approximately ½ barrel spilled over old spill. Excavated entire battery site to 1 foot and reduced TPH, benzene and BTEX below RRAL. Highest remaining chloride is 260 mg/Kg. Excavated area north of battery to approximately 40 feet and sampled to 50 feet. Residual TPH above 1,000 mg/Kg at 50 feet and installed 5 borings to delineate. Installed temporary well into groundwater at 91.50 feet to check for groundwater impact. TPH delineated and limited to immediate north side of excavation. Groundwater was found without impaction by BTEX, metals, chloride or TDS. All confirmation soil samples were below RRAL for benzene and BTEX. Highest residual chloride was 260 mg/Kg.

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: Mark J. Larson	Approved by District Supervisor: ENVIRONMENTAL ENGINEER	
Title: Sr. Project Manager / President, Larson and Associates, Inc. (agent for John H. Hendrix Corporation)	Approval Date: 11·1·07	Expiration Date: —
E-mail Address: mark@laenvironmental.com	Conditions of Approval: —	Attached ☐ RP 1454
Date: October 31, 2007 Phone: (432) 687-0901		