

**1R - 430**

# **REPORTS**

**DATE:**

**4/30/2004**



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OIL CONSERVATION  
DIVISION

Hobbs

April 30, 2004

Mr. William C. Olson  
Environmental Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Pipeline Spill Remediation Workplan, Dynegy Midstream Services, L.P.,  
Unit Letter J (NW/4, SE/4), Section 31, Township 23 South, Range 37 East,  
Lea County, New Mexico**

Dear Mr. Olson:

Please find enclosed a copy of the above-referenced workplan. The workplan is submitted on behalf of Dynegy Midstream Services, L. P., and presents the results of spill remediation conducted by Larson and Associates, Inc., and a workplan for further action.

Please call Cal Wrangham at (432) 688-0542 or myself at (432) 687-0901 if you have questions. I can also be reached by email at Cindy@Laenvironmental.com.

Sincerely,  
**Larson and Associates, Inc.**

A handwritten signature in black ink that reads "Cindy K. Crain".

Cindy K. Crain, CPG  
Project Manager

cc: Dave Harris - Dynegy  
Cal Wrangham - Dynegy  
Roger Holland - Dynegy  
Larry Johnson, OCD, Division 1

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MAY 03 2004

**Oil Conservation Division  
Environmental Bureau**

April 29, 2004

Mr. William C. Olson, Hydrologist  
Environmental Bureau  
Oil Conservation Division  
New Mexico Energy, Minerals and Natural Resources Department  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

**Re: Pipeline Spill Remediation Workplan, Dynegy Midstream Services, L.P., Unit Letter J  
(NW/4, SE/4), Section 31, Township 23 South, Range 37 East, Lea County, New Mexico  
(Kelly Myers Deep Wells Lease)**

Dear Mr. Olson:

Dynegy Midstream Services, L. P. (Dynegy) has retained Larson and Associates, Inc. (LA) to remediate impacts to soil from natural gas liquids (i.e., natural gas condensate) leaks from a natural gas pipeline located in the northeast quarter (NE/4) of the southwest quarter (SW/4), Section 31, Township 23 South, Range 37 East, Lea County, New Mexico (Site #26). Figure 1 presents a Site location and topographic map.

A Remediation Workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) on August 14, 2003, and excavation at Site #26 was approved in a letter dated September 12, 2003. Appendix A provides a copy of the workplan and approval letter.

**Current Investigation**

On August 13 and 14, 2002, LA personnel supervised installation of two soil borings (BH-1 and BH-2) at Site #26. Scarborough Drilling, Inc. drilled the borings using an air rotary drilling rig. The borings were drilled to approximately 26 feet below ground surface (bgs), and soil samples were collected approximately every five (5) feet using a two-foot long split spoon sampler. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas I, Ltd. (ELOT), located in Odessa, Texas. A duplicate sample was collected for headspace analysis. The headspace jars were filled approximately  $\frac{3}{4}$  full, and a layer of aluminum foil was placed over the opening of the jars before replacing the cap. The headspace samples were set aside and allowed to warm up to ambient temperature before a RAE Instruments, Model 2000 photoionization detector (PID) was used to measure the concentration of organic vapors in the sample headspace. The PID probe was inserted into the headspace of the sample jars (through the aluminum foil). The concentration of organic vapors was displayed by the instrument in parts per million (ppm) and recorded in a bound field notebook. The PID was calibrated to 100.1 ppm isobutylene prior to obtaining headspace readings. The sample from each boring exhibiting the highest PID readings (BH-1, 0-1' and BH-2, 0-1') was analyzed for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) by EPA

method SW-846-8021B, and total petroleum hydrocarbons (TPH) by EPA method SW-846-8015, including gasoline range organics (GRO) and diesel range organics (DRO). The deepest sample collected from each boring (25-26') and one additional sample from each boring (BH-1, 10-11' and BH-2, 15-16') was also analyzed for TPH by EPA method SW-846-8015. All soil samples collected from soil boring BH-1 and BH-2 were analyzed for chloride by EPA method SW-846-9253. A composite sample was collected from soil stockpiled at the Site when repairing the pipeline leak and analyzed for BTEX and TPH. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples from borings BH-1 and BH-2. Figure 2 shows the locations of the soil borings. Appendix B presents the boring logs. Appendix C presents the laboratory analyses.

Based on published literature (1961) and well records of the New Mexico State Engineer (NMSE), groundwater occurs at approximately 120 feet bgs. A domestic water well is located approximately 1000 feet east of the Site. The NMOCD has established RRALs for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). The following RRALs have been assigned, based on NMOCD criteria:

Benzene	10 mg/kg
Total BTEX	50 mg/kg
TPH	100 mg/kg

Referring to Table 1, the soil sample from soil boring BH-1 (0-1') showed concentrations of benzene and BTEX below the test method detection limit. Soil samples from boring BH-1 showed concentrations of TPH to be below the test method detection limit at 10-11 feet bgs and 25-26 feet bgs; however TPH concentrations exceeded the RRAL in the sample from 0-1 foot bgs (633.3 mg/kg). Chloride concentrations in soil samples collected from boring BH-1 decreased with depth, except the sample from 20-21 feet bgs (207 mg/kg). The NMOCD does not have a documented RRAL for chloride. The soil sample from soil boring BH-2 (0-1') showed concentrations of benzene and BTEX below the test method detection limit. Soil samples from boring BH-2 showed concentrations of TPH to be below the test method detection limit at 15-16 feet bgs and 25-26 feet bgs; however TPH concentrations exceeded the RRAL in the sample from 0-1 foot bgs (1341 mg/kg). The maximum chloride concentration in soil samples from boring BH-2 was 461 mg/kg at approximately 20-21 feet bgs. The stockpiled soil showed a TPH concentration of 6,813 mg/kg, and was removed from the Site and taken to an NMOCD approved landfarm.

On June 5, 2003, a groundwater sample was collected from the windmill, located approximately 1,000 feet east of Site #26. Approximately five gallons of groundwater were bailed from the well using a dedicated disposable polyethylene bailer, prior to collection of a groundwater sample. The samples were carefully transferred to laboratory-prepared containers, labeled, chilled in an ice chest and delivered under chain-of-custody control to ELOT, and analyzed for BTEX, anions, cations and total dissolved solids (TDS) by ELOT. Table 2, below, provides a summary of the laboratory results.

Appendix C presents the laboratory analysis.

**Table 2: Summary of Laboratory Analysis of Groundwater Sample from Water Well (6/5/03)**

**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Depth to Water (feet)	Benzene mg/L	Total BTEX mg/L	Chloride mg/L	Sulfate mg/L	Calcium mg/L	Magnesium mg/L	Potassium mg/L	Sodium mg/L	TDS mg/L
121.51	<0.001	<0.005	19.5	4.10	7.78	1.70	8.03	20.4	70

Referring to Table 2, concentrations of benzene and total BTEX in groundwater were below the test method detection limit. Concentrations of chloride, sulfate and TDS were below the New Mexico Water Quality Conservation Commission (NMWQCC) standards of 250 mg/L, 600 mg/L, and 1000 mg/L, respectively. The NMOCd does not have documented groundwater standards for calcium, magnesium, potassium, and sodium.

On June 9, 2003, excavation of impacted soil began at Site #26. LA collected soil samples from the bottom and sides of the excavation at depths of approximately 7 to 23 feet bgs. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to ELOT. Duplicate samples were collected for headspace analysis, as described above. Soil samples were analyzed for TPH and chlorides. Table 3 presents a summary of the laboratory analyses of soil from the excavation, and PID readings. Figure 2 shows the sample locations and laboratory results. Appendix C presents laboratory data and chain-of-custody documentation.

Referring to Table 3, TPH concentrations were below the RRAL in samples collected from the west (SS-4) and south (SS-7) sides of the excavation. The maximum chloride concentrations were shown in samples collected from the north end of the excavation (SS-1, 1490 mg/kg and SS-8, 1310 mg/kg).

Excavation continued at Site #26 until samples were collected from the bottom of the excavation on July 9, 2003. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to ELOT. Soil samples were analyzed for BTEX and TPH. A fingerprint analysis was conducted on sample SS-9 by gas chromatograph (GC/FID) methods. Table 3 presents a summary of the laboratory analyses of soil from the excavation. Table 4, below, presents a summary of the fingerprint analysis. Figure 2 shows the sample locations and laboratory results. Appendix C presents laboratory data and chain-of-custody documentation.

Referring to Table 3, TPH concentrations in samples SS-9 (4,800 mg/kg) and SS-10 (411.3 mg/kg) exceeded the RRAL. Benzene and total BTEX concentrations also exceeded the RRAL in sample SS-9, with concentrations of 12.4 mg/kg and 214.7 mg/kg, respectively.

**Table 4: Summary of Fingerprint Analysis of Soil Sample**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Sample Number	Sample Date	Sample Location	Sample Depth (feet bgs)	C6-C8 %	C8-C10 %	C10-C12 %	C12-C16 %	C16-C21 %	C21-C35 %
—	6/4/2003	Pipeline	—	2.5	16.5	17.1	27.3	18.6	17.9
SS-9	7/9/2003	Bottom; center	27	12.1	16.7	14.3	23.5	21.1	12.3

Referring to Table 4, percentages of hydrocarbon constituents from sample SS-9 closely resemble those of a phase separated hydrocarbon (PSH) sample collected from the pipeline at Site #26 on June 4, 2003. The greatest concentration in each sample is found in the C12 to C16 hydrocarbon range, which is consistent with a light crude oil. Appendix B presents laboratory data and chain-of-custody documentation.

From January 28, 2004 to February 19, 2004, excavation continued at Site #26 to a depth of approximately 60 feet bgs. The majority of the soil was taken to an NMOCDA approved landfill. On May 2, 2004, LA personnel installed a direct-push soil boring (GP-1) in the bottom of the excavation. LA used direct-push technology (Terraprobe®) to drill the boring, and samples were collected from approximately 60 to 76 feet bgs using a stainless steel core barrel and dedicated sample liners.

The soil samples were collected in four-foot increments and two (2) foot composite samples (i.e., 60'-62', 62'-64', 64'-66', etc.) from each interval were placed in clean glass sample jars, labeled, chilled in an ice chest, and hand delivered under chain-of-custody control to ELOT. A duplicate of each composite sample was also placed in a clean glass sample jar for headspace analysis, as described above. Each 2-foot composite sample was analyzed for BTEX and TPH. Table 5 presents a summary of the laboratory analyses and PID readings of soil samples from boring GP-1. Figure 2 shows the locations of the soil boring. Appendix B presents the boring log. Appendix C presents the laboratory analyses.

Referring to Table 5, the TPH concentration in all samples exceeded the RRAL. Benzene concentrations exceeded the RRAL in samples collected from 68 to 70 feet bgs (15.9 mg/kg) and from 72 to 74 feet bgs (18.0 mg/kg). Total BTEX concentrations exceeded the RRAL in all samples

except the samples from 64 to 66 feet (47.09 mg/kg) bgs and 66 to 68 feet (16.49 mg/kg) bgs. Four soil samples from boring GP-1 were additionally analyzed by the synthetic precipitation leaching procedure (SPLP) to assess the leaching potential for BTEX. The SPLP closely simulates the leaching effects of compounds as would occur in the natural environment. Table 6, below, presents a summary of the SPLP analyses.

**Table 6: Summary of SPLP Analysis of Soil Samples from Soil Boring**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Borehole Number	Sample Date	Sample Depth (feet BGS)	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylene (p/m) mg/L	Xylene (o) mg/L
<b>Standard (WQCC)</b>			<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
GP-1	03/02/04	60-62	ND	0.0448	0.149	0.240	0.133
	03/02/04	68-70	0.00179	0.195	0.289	0.394	0.240
	03/02/04	72-74	0.0497	0.966	0.793	1.130	0.451
	03/02/04	74-76	ND	0.0708	0.149	0.387	0.219

Referring to Table 6, concentrations of benzene, toluene and ethylbenzene were below the NMWQCC drinking water standard of 0.01 mg/L, 0.75 mg/L, and 0.75 mg/L (respectively) in all samples except the sample from 72 to 74 feet bgs (0.0497 mg/L, 0.966 mg/L, and 0.793 mg/L, respectively). Xylene exceeded the NMWQCC drinking water standard of 0.62 mg/L in the samples from 68 to 70 feet bgs (0.634 mg/L) and 72 to 74 feet bgs (1.581 mg/L).

Dynegy proposes to discontinue excavating soil from Site #26, and install a barrier to restrict further leaching of hydrocarbons from the soil below 60 feet bgs. The excavation will be filled with clean soil to a depth of approximately six (6) feet bgs, and a layer of compacted clay, approximately three (3) feet thick will be placed over the fill in three (3) lifts of one foot each. The clay barrier will be slightly crowned, compacted to achieve 95% proctor density, and a licensed professional engineer will perform field tests following the compaction of each lift.

The majority of the soil removed from the excavation was taken to an NMOCD approved landfarm. The remaining soil will be blended until TPH concentrations are below the RRAL, and will be placed in the excavation before installing the clay barrier. Approximately three (3) feet of topsoil will be placed over the clay barrier. A final report will be submitted to the NMOCD upon completion.

Mr. William Olson  
April 29, 2004  
Page 6

If you should have any questions, please contact Mr. Cal Wrangham with Dynegy at (432) 688-0542 of myself at (432) 687-0901. I can also be reached by e-mail at [Cindy@laenvironmental.com](mailto:Cindy@laenvironmental.com).

Sincerely,  
*Larson & Associates, Inc.*



Cindy K. Crain, CPG  
Project Manager

CC: Mr. Cal Wrangham, Dynegy  
Mr. Dave Harris, Dynegy  
Mr. Roger Holland, Dynegy  
Mr. Larry Johnson, OCD, Division I

## **TABLES**

**Table 1:**  
**Summary of Headspace and Laboratory Analysis of Soil Samples**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Borehole Number	Sample Date	Sample Depth (feet BGS)	PID (ppm)	Benzene mg/kg	Total BTEX mg/kg	GRO C6-C10 mg/kg	DRO <C10-C28 mg/kg	TPH (C6-C28) mg/kg	Chloride mg/kg	1000	250
Standard (WQCC)											
<b>BH-1</b>	8/13/2002	0-1	63.9	<0.025	20.3	613.0	633.3	1380.0			
	8/13/2002	5-6	16.9	---	---	---	---	---	---	354.0	
	8/13/2002	10-11	46.8	---	---	<10.0	<10.0	<20.0		35.4	
	8/13/2002	15-16	15.5	---	---	---	---	---		53.2	
	8/13/2002	20-21	1.4	---	---	---	---	---		207.0	
	8/13/2002	25-26	0.1	---	---	<10.0	<10.0	<20.0		70.9	
<b>BH-2</b>	8/14/2002	0-1	78.8	<0.025	20.3	101.0	1240.0	1341.0	337.0		
	8/14/2002	5-6	14.3	---	---	---	---	---		35.4	
	8/14/2002	10-11	25.3	---	---	---	---	---		35.4	
	8/14/2002	15-16	37.8	---	---	<10.0	<10.0	<20.0		177.0	
	8/14/2002	20-21	0.1	---	---	---	---	---		461.0	
	8/14/2002	25-26	0.2	---	---	<10.0	<10.0	<20.0		253.0	
<b>Composite</b>	8/14/2002	---	---	<0.025	3.183	453.0	6360.0	6813.0	---		

Notes:

1. BGS: Depth in feet below ground surface
2. PID: Photoionization detector
3. ppm: Parts per million
4. GRO: Gasoline-range organics
5. DRO: Diesel-range organics
6. TPH: Total petroleum hydrocarbons (Sum of GRO + DRO)
7. mg/kg: Milligrams per kilogram
8. ---: No data available
9. <: Below method detection limit

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas

**Table 2: Summary of Laboratory Analysis of Groundwater Sample from Water Well (6/5/03)**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Depth to Water (feet bgs)	Benzene mg/L	Total BTEX mg/L	Chloride mg/L	Sulfate mg/L	Calcium mg/L	Magnesium mg/L	Potassium mg/L	Sodium mg/L	TDS mg/L
121.51	<0.001	<0.005	19.5	4.10	7.78	1.70	8.03	20.4	70

Notes: All analyses performed by Environmental Lab of Texas I, Ltd.,

1. Bgs: Below ground surface
2. mg/L: Milligrams per liter
2. <: Below the test method detection limit

**Table 3: Summary of Headspace and Laboratory Analysis of Soil Samples from Excavation**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Sample Number	Sample Date	Sample Location	Sample Depth (feet BGS)	PID (ppm)	Benzene mg/kg	Total BTEX mg/kg	GRO C6-C12 mg/kg	>C12-C35 mg/kg	DRO >C35 mg/kg	TPH (C6-C35) mg/kg	Chloride mg/kg
Standard (WQCC)											
					10	50			100		250
SS-1	06/10/03	North wall	9	181	---	---	158	2,540	2,698	1,490	---
SS-2	06/10/03	Bottom	12	779	---	---	---	---	---	---	---
SS-3	06/10/03	Bottom	23	842	---	---	---	---	---	---	---
SS-4	06/10/03	West side	21	21.4	---	---	<10.0	16.8	16.8	319	16.8
SS-5	06/10/03	South end; east side	21	41.6	---	---	26.2	600	626.2	177	600
SS-6	06/10/03	North side	8	17.4	---	---	<10.0	492	492	248	492
SS-7	06/10/03	South side	20	9.8	---	---	<10.0	59.1	59.1	248	59.1
SS-8	06/10/03	North end; east side	7	11.8	---	---	14.4	1,940	1,954.4	1,310	1,940
SS-9	07/09/03	Bottom; center	27	---	12.4	214.7	1,780	3,020	4,800	---	1,780
SS-10	07/09/03	Bottom; southeast	27	---	<0.025	0.558	83.3	328	411.3	---	83.3
SS-11	07/09/03	Bottom; south central	27	---	<0.025	<0.125	<10.0	33.5	33.5	---	33.5

Notes:

- 1. BGS: Depth in feet below ground surface
- 2. PID: Photoionization detector
- 3. ppm: Parts per million
- 4. GRO: Gasoline-range organics
- 5. DRO: Diesel-range organics
- 6. TPH: Total petroleum hydrocarbons (Sum of GRO + DRO)
- 7. mg/kg: Milligrams per kilogram
- 8. ---: No data available
- 9. <: Below method detection limit

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas

**Table 4: Summary of Fingerprint Analysis of Soil Sample**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Sample Number	Sample Date	Sample Location	Sample Depth (feet bgs)	C6-C8 %	C8-C10 %	C10-C12 %	C12-C16 %	C16-C21 %	C21-C35 %
---	6/4/2003	Pipeline	---	2.5	16.5	17.1	27.3	18.6	17.9
SS-9	7/9/2003	Bottom; center	27	12.1	16.7	14.3	23.5	21.1	12.3

Notes: All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas

**Table 5:** Summary of Headspace and Laboratory Analysis of Soil Samples from Soil Boring  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE1/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Borehole Number	Sample Date	Sample Depth (feet BGS)	PID (ppm)	Benzene mg/kg	Total BTEX mg/kg	GRO C6-C12 mg/kg	DRO >C12-C35 mg/kg	TPH (C6-C35) mg/kg
Standard (WQCC)				10	50			100
GP-1	03/02/04	60-62	1369	3.35	61.96	1.990	3.800	5.790
	03/02/04	62-64	1999	3.53	127.93	2.020	3.740	5.760
	03/02/04	64-66	1999	2.03	47.09	1.080	3.100	4.180
	03/02/04	66-68	85	0.59	16.49	1.04	268	372
	03/02/04	68-70	1999	15.90	207.10	2.910	5.640	8.550
	03/02/04	70-72	1582	1.72	72.25	1.610	3.790	5.400
	03/02/04	72-74	1999	18.00	222.40	3.610	6.280	9.890
	03/02/04	74-76	1747	2.12	73.39	1.750	3.970	5.720

Notes:  
1. BGS: Depth in feet below ground surface  
2. PID: Photoionization detector  
3. ppm: Parts per million  
4. GRO: Gasoline-range organics  
5. DRO: Diesel-range organics  
6. TPH: Total petroleum hydrocarbons (Sum of GRO + DRO)  
7. mg/kg: Milligrams per kilogram  
8. ---: No data available  
9. <: Below method detection limit

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas

**Table 6: Summary of SPLP Analysis of Soil Samples from Soil Boring**  
**Dynegy Midstream Services, L. P., Spill Site No. 26**  
**NW/4, SE/4, Section 31, Township 23 South, Range 37 East**  
**Lea County, New Mexico**

Borehole Number	Sample Date	Sample Depth (feet BGS)	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylene (p/m) mg/L	Xylene (o) mg/L
		<b>Standard (WQCC)</b>	<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>	
<b>GP-1</b>	03/02/04	60-62	ND	0.0448	0.149	0.240	0.133
	03/02/04	68-70	0.00179	0.195	0.289	0.394	0.240
	03/02/04	72-74	0.0497	0.966	0.793	1.130	0.451
	03/02/04	74-76	ND	0.0708	0.149	0.387	0.219

Notes:

1. BGS: Depth in feet below ground surface
2. mg/L Milligrams per liter
3. ND: Non-detectable

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas

## **FIGURES**



FIGURE #1

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES, L.P.

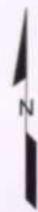
SITE #26  
NW/4, SE/4, SECTION 31, T-23-S, R-37-E

TOPOGRAPHIC MAP

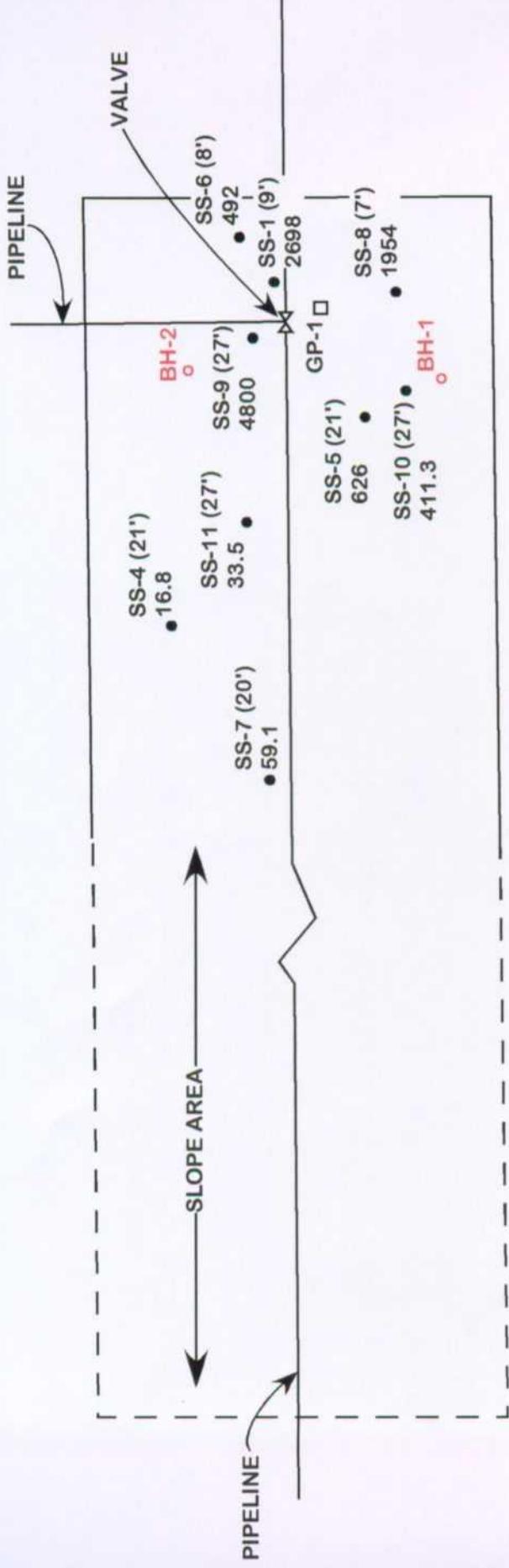
DATE:	04/19/04
NAME:	
FILE:	

**A**arson & Associates, Inc.  
Environmental Consultants

TAKEN FROM U.S.G.S.  
RATTLESNAKE CANYON, N. MEX. 1979  
7.5' QUADRANGLES



SCALE: 1"=2000'



**FIGURE #2**

LEA COUNTY, NEW MEXICO  
**DYNEGY MIDSTREAM SERVICES, L.P.**  
SITE #26  
NW1/4, SE1/4, SECTION 31, T-23-S, R-37-E

**SITE DRAWING**

DATE:	04/19/04
NAME:	
FILE:	

**Larson & Associates, Inc.**  
Environmental Consultants

**APPENDIX A**

**BOREHOLE LOGS**

**Client:** Dynegy Midstream Services, L.P.

**Project:** Site #26

**Project No:** 0-0100-26

**Location:** NW/SE, Sec. 31, T23S, R37E, Lea Co., NM

## **Log of Borehole: GP-1**

**Geologist:** Cindy K. Crain

**Page:** 1 of 1

SUBSURFACE PROFILE		SAMPLE			PID Measurement (PPM) 500      1500	Lab Analysis	
Depth	Symbol	Description	Number	Type	Recovery		
60		<b>Sand</b> 2.5 YR 6/6, light red quartz sand, very fine to fine grained, well sorted, loose, damp, moist at 66-68', strong hydrocarbon odor.	1			1369.0	60-62' bgs - BTEX: 61.96 mg/kg TPH: 5790 mg/kg
65			2			1999.0	62-64' bgs - BTEX: 127.93 mg/kg TPH: 5760 mg/kg
70			3			1999.0	64-66' bgs - BTEX: 47.09 mg/kg TPH: 4180 mg/kg
75			4			85.0	66-68' bgs - BTEX: 16.49 mg/kg TPH: 372 mg/kg
			5			1999.0	68-70' bgs - BTEX: 207.10 mg/kg TPH: 8550 mg/kg
			6			1582.0	70-72' bgs - BTEX: 72.25 mg/kg TPH: 5400 mg/kg
			7			1999.0	72-74' bgs - BTEX: 222.40 mg/kg TPH: 9890 mg/kg
			8			1747.0	74-76' bgs - BTEX: 73.39 mg/kg TPH: 5720 mg/kg
76 ft							
80							
85							

Drilling Method: Direct Push

Date Drilled: 3/2/04

Hole Size: 2"

Larson and Associates, Inc.  
507 North Marienfeld St., Ste. 202  
Midland, Texas 79701  
(915) 687-0901

Checked by: CKC

Drilled by: Larson & Associates

**Client:** Dynegy Midstream Services, L.P.

## **Log of Borehole: BH-1**

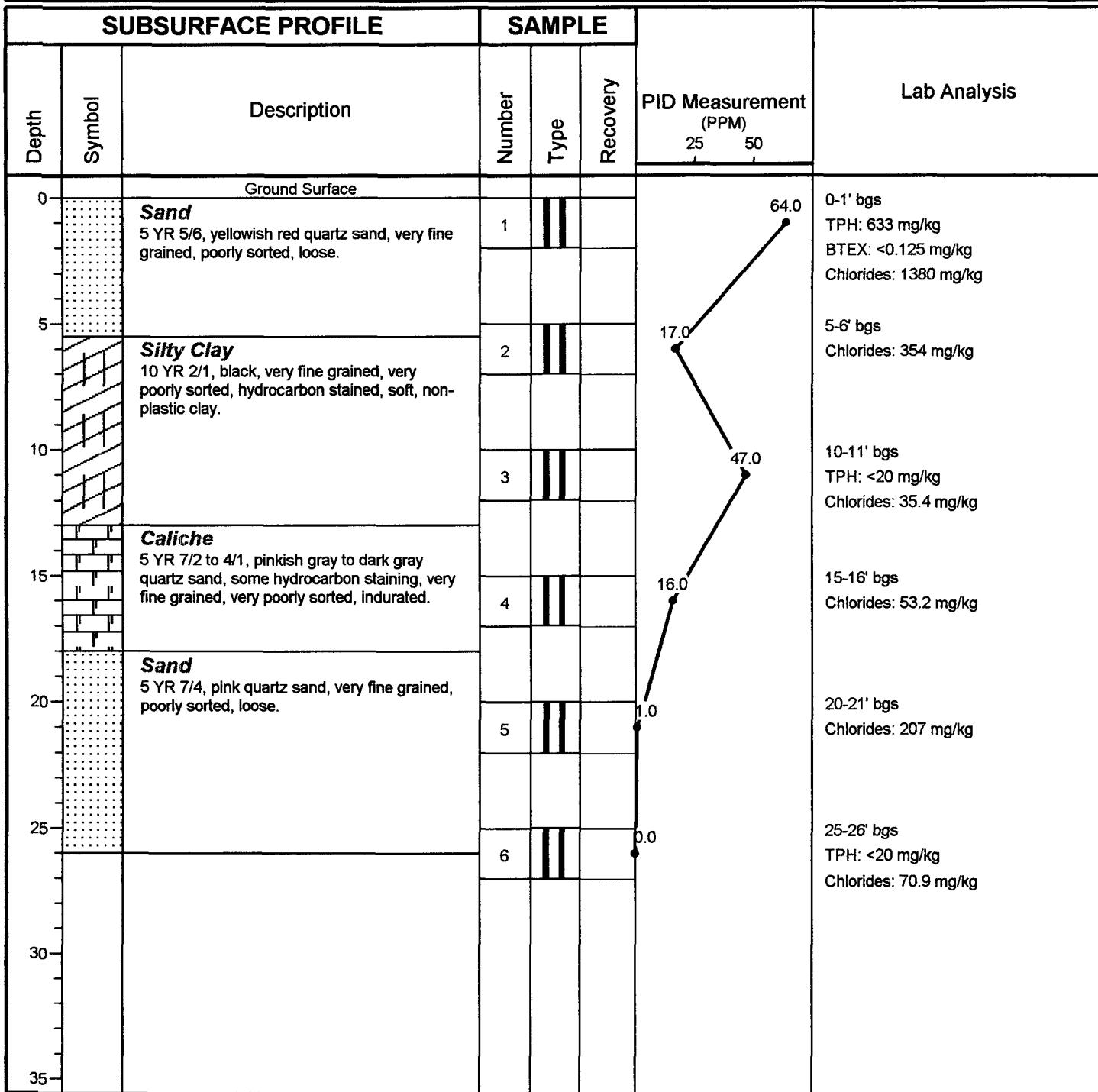
**Project:** Site #26

**Geologist:** Cindy K. Crain

**Project No:** 0-0100-26

**Page:** 1 of 1

**Location:** NW/SE, Sec. 31, T23S, R37E, Lea Co., NM



Drilling Method: Air Rotary

Date Drilled: 8/13/02

Hole Size: 8"

Larson and Associates, Inc.  
507 North Marienfeld St., Ste. 202  
Midland, Texas 79701  
(915) 687-0901

Checked by: CKC

Drilled by: Scarborough Drilling

**Client:** Dynegy Midstream Services, L.P.

## Log of Borehole: BH-2

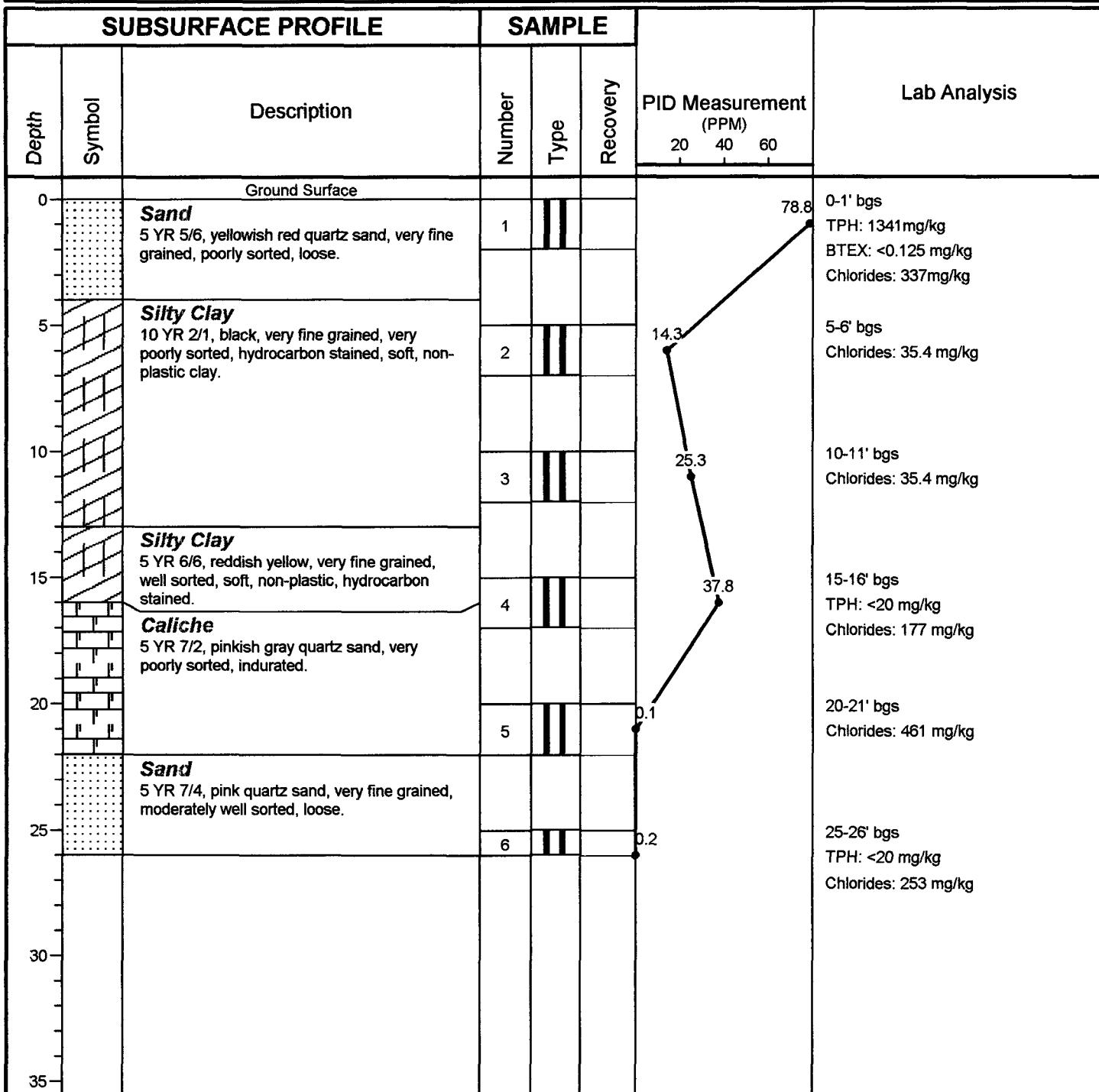
**Project:** Site #26

**Geologist:** Cindy K. Crain

**Project No:** 0-0100-26

**Page:** 1 of 1

**Location:** NW/SE, Sec. 31, T23S, R37E, Lea Co., NM



Drilling Method: Air Rotary

Date Drilled: 8/14/02

Hole Size: 8"

Larson and Associates, Inc.  
507 North Marienfeld St., Ste. 202  
Midland, Texas 79701  
(915) 687-0901

Checked by: CKC

Drilled by: Scarborough Drilling

## **APPENDIX B**

### **LABORATORY DATA AND CHAIN-OF-CUSTODY DOCUMENTATION**

# **ANALYTICAL REPORT**

**Prepared for:**

**Cindy Crain  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project:            Dynegy/ Site No. 26**

**PO#:**

**Order#:            G0204237**

**Report Date:    08/22/2002**

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710  
 915-687-0456

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>		<u>Date / Time</u>		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0204237-01	BH-1 (0-1')	SOIL	8/13/02 13:50	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  8015M 8021B/5030 BTEX Chloride		Rejected: No	Temp: 1.0 C			
0204237-02	BH-1 (5-6')	SOIL	8/13/02 14:00	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  Chloride		Rejected: No	Temp: 1.0 C			
0204237-03	BH-1 (10-11')	SOIL	8/13/02 14:10	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  8015M Chloride		Rejected: No	Temp: 1.0 C			
0204237-04	BH-1 (15-16')	SOIL	8/13/02 14:18	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  Chloride		Rejected: No	Temp: 1.0 C			
0204237-05	BH-1 (20-21')	SOIL	8/13/02 14:26	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  Chloride		Rejected: No	Temp: 1.0 C			
0204237-06	BH-1 (25-26')	SOIL	8/13/02 14:38	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  8015M Chloride		Rejected: No	Temp: 1.0 C			
0204237-07	BH-2 (0-1')	SOIL	8/14/02 8:40	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u>  8015M 8021B/5030 BTEX		Rejected: No	Temp: 1.0 C			

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710  
 915-687-0456

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	Date / Time		Date / Time		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0204237-08	BH-2 (5-6')	SOIL	8/14/02 8:50	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> Chloride		Rejected: No	Temp: 1.0 C			
0204237-09	BH-2 (10-11')	SOIL	8/14/02 9:00	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> Chloride		Rejected: No	Temp: 1.0 C			
0204237-10	BH-2 (15-16')	SOIL	8/14/02 9:07	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> 8015M Chloride		Rejected: No	Temp: 1.0 C			
0204237-11	BH-2 (20-21')	SOIL	8/14/02 9:15	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> Chloride		Rejected: No	Temp: 1.0 C			
0204237-12	BH-2 (25-26')	SOIL	8/14/02 9:30	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> 8015M Chloride		Rejected: No	Temp: 1.0 C			
0204237-13	Composite	SOIL	8/14/02 16:45	8/15/02 16:10	4 oz glass		Ice
	<u>Lab Testing:</u> 8015M 8021B/5030 BTEX		Rejected: No	Temp: 1.0 C			

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
**LARSON AND ASSOCIATES, INC.**  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

Lab ID: 0204237-01  
 Sample ID: BH-1 (0-1')

### **8015M**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	20.3	10.0
DRO, >C12-C35	613	10.0
TOTAL, C6-C35	633	10.0

### **8021B/5030 BTEX**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		8/20/02 16:51	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	96%	73	115
Bromofluorobenzene	116%	72	110

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 5

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0204237  
Project: 0-0100-26  
Project Name: Dynegy/ Site No. 26  
Location: None Given

Lab ID: 0204237-03  
Sample ID: BH-1 (10-11')

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample Amount	Dilution Factor	Analyst	Method
		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0204237-06  
Sample ID: BH-1 (25-26')

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample Amount	Dilution Factor	Analyst	Method
		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
 LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

Lab ID: 0204237-07  
 Sample ID: BH-2 (0-1')

### ***8015M***

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	101	10.0
DRO, >C12-C35	1,240	10.0
TOTAL, C6-C35	1,341	10.0

### ***8021B/5030 BTEX***

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002917-02		8/20/02 17:13	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	<0.025	0.025
Toluene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	97%	73	115
Bromofluorobenzene	116%	72	110

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0204237  
Project: 0-0100-26  
Project Name: Dynegy/ Site No. 26  
Location: None Given

Lab ID: 0204237-10  
Sample ID: BH-2 (15-16')

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

Lab ID: 0204237-12  
Sample ID: BH-2 (25-26')

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/19/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10.0	10.0
DRO, >C12-C35	<10.0	10.0
TOTAL, C6-C35	<10.0	10.0

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
**LARSON AND ASSOCIATES, INC.**  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

Lab ID: 0204237-13  
 Sample ID: Composite

### 8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		8/20/02	1	1	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	453	10.0
DRO, >C12-C35	6,360	10.0
TOTAL, C6-C35	6,813	10.0

### 8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002917-02		8/21/02 14:47	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Ethylbenzene	0.251	0.025
Toluene	0.157	0.025
p/m-Xylene	1.67	0.025
o-Xylene	1.08	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	136%	73	115
Bromofluorobenzene	109%	72	110

Approval:  
 Raland K. Tuttle, Lab Director, QA Officer  
 Celey D. Keene, Org. Tech. Director  
 Jeanne McMurrey, Inorg. Tech. Director  
 Sandra Biezugbe, Lab Tech.  
 Sara Molina, Lab Tech.

  
Date

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
**LARSON AND ASSOCIATES, INC.**  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

Lab ID: 0204237-01  
 Sample ID: BH-1 (0-1')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	1380	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-02  
 Sample ID: BH-1 (5-6')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	354	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-03  
 Sample ID: BH-1 (10-11')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-04  
 Sample ID: BH-1 (15-16')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	53.2	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-05  
 Sample ID: BH-1 (20-21')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	207	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-06  
 Sample ID: BH-1 (25-26')

### **Test Parameters**

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	70.9	mg/kg	1	20.0	9253	8/17/02	SB

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
 LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0204237  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site No. 26  
 Location: None Given

Lab ID: 0204237-07  
 Sample ID: BH-2 (0-1')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	337	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-08  
 Sample ID: BH-2 (5-6')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-09  
 Sample ID: BH-2 (10-11')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	35.4	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-10  
 Sample ID: BH-2 (15-16')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	177	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-11  
 Sample ID: BH-2 (20-21')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	461	mg/kg	1	20.0	9253	8/17/02	SB

Lab ID: 0204237-12  
 Sample ID: BH-2 (25-26')

***Test Parameters***

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Chloride	253	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit

N/A = Not Applicable

Page 2 of 3

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

Cindy Crain  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0204237  
Project: 0-0100-26  
Project Name: Dynegy/ Site No. 26  
Location: None Given

Approval: *Raland K. Tuttle* 8-22-02  
Raland K. Tuttle, Lab Director, QA Officer Date  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0204237

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002913-02			<10.0		
TOTAL, C6-C35-mg/kg		0002914-02			<10.0		
<b>CONTROL</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002914-03		2000	2450	122.5%	
<b>CONTROL DUP</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002914-04		2000	2410	120.5%	1.6%
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204239-05	0	2000	2170	108.5%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204239-05	0	2000	2160	108.%	0.5%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002913-05		1000	981	98.1%	
TOTAL, C6-C35-mg/kg		0002914-05		1000	950	95.%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8021B/5030 BTEX

Order#: G0204237

<b>BLANK</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0002917-02			<0.025		
Ethylbenzene-mg/kg		0002917-02			<0.025		
Toluene-mg/kg		0002917-02			<0.025		
p/m-Xylene-mg/kg		0002917-02			<0.025		
o-Xylene-mg/kg		0002917-02			<0.025		
<b>MS</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0204271-04	0	0.1	0.103	103.%	
Ethylbenzene-mg/kg		0204271-04	0	0.1	0.105	105.%	
Toluene-mg/kg		0204271-04	0	0.1	0.105	105.%	
p/m-Xylene-mg/kg		0204271-04	0	0.2	0.218	109.%	
o-Xylene-mg/kg		0204271-04	0	0.1	0.104	104.%	
<b>MSD</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0204271-04	0.103	0.1	0.100	100.%	3.%
Ethylbenzene-mg/kg		0204271-04	0.105	0.1	0.103	103.%	1.9%
Toluene-mg/kg		0204271-04	0.105	0.1	0.102	102.%	2.9%
p/m-Xylene-mg/kg		0204271-04	0.218	0.2	0.213	106.%	2.3%
o-Xylene-mg/kg		0204271-04	0.104	0.1	0.102	102.%	1.9%
<b>SRM</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0002917-05		0.1	0.104	104.%	
Ethylbenzene-mg/kg		0002917-05		0.1	0.107	107.%	
Toluene-mg/kg		0002917-05		0.1	0.106	106.%	
p/m-Xylene-mg/kg		0002917-05		0.2	0.222	111.%	
o-Xylene-mg/kg		0002917-05		0.1	0.106	106.%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Test Parameters

Order#: G0204237

<b>BLANK</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Chloride-mg/kg		0002894-01			<20.0		
Chloride-mg/kg		0002895-01			<20.0		
<b>MS</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Chloride-mg/kg		0204236-10	53.2	1000	1050	99.7%	
Chloride-mg/kg		0204237-10	177	1000	1170	99.3%	
<b>MSD</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Chloride-mg/kg		0204236-10	53.2	1000	1050	99.7%	0.%
Chloride-mg/kg		0204237-10	177	1000	1150	97.3%	1.7%
<b>SRM</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Chloride-mg/kg		0002894-04		5000	4960	99.2%	
Chloride-mg/kg		0002895-04		5000	4960	99.2%	

CLIENT NAME: <i>Dynegy</i>				SITE MANAGER: <i>Cindy Crain</i>	PROJECT NAME: <i>Site No. 26</i>	PARAMETERS/METHOD NUMBER	CHAIN—OF—CUSTODY RECORD				
PROJECT NO.: <i>D - 0100 - 24</i>				NUMBER OF CONTAINERS							
PAGE	/	OF	/	LAB. PO #	SAMPLE IDENTIFICATION			REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)			
DATE		TIME		SOIL TYPE	DATE	TIME	LAB. I.D. NUMBER (LAB USE ONLY)				
<i>8/31/02</i>				<i>BH-1 (0-1')</i>	<i>8/31/02</i>		<i>02042357 - 01</i>				
"				<i>BH-1 (5-6')</i>	<i>8/31/02</i>		<i>02</i>				
"				<i>BH-1 (10-11')</i>	<i>8/31/02</i>		<i>03</i>				
"				<i>BH-1 (15-16')</i>	<i>8/31/02</i>		<i>04</i>				
"				<i>BH-1 (20-21')</i>	<i>8/31/02</i>		<i>05</i>				
"				<i>BH-1 (25-26')</i>	<i>8/31/02</i>		<i>06</i>				
<i>8/31/02</i>				<i>BH-2 (0-1')</i>	<i>8/31/02</i>		<i>07</i>				
"				<i>BH-2 (5-6')</i>	<i>8/31/02</i>		<i>08</i>				
"				<i>BH-2 (10-11')</i>	<i>8/31/02</i>		<i>09</i>				
"				<i>BH-2 (15-16')</i>	<i>8/31/02</i>		<i>10</i>				
"				<i>BH-2 (20-21')</i>	<i>8/31/02</i>		<i>11</i>				
"				<i>BH-2 (25-26')</i>	<i>8/31/02</i>		<i>12</i>				
"				<i>Composite</i>	<i>8/31/02</i>		<i>13</i>				
<i>Comments:</i>											
<i>RECEIVING LABORATORY: Env. Lab. Texas ADDRESS: 12600 W. I-20 E STATE: TX CITY: Odessa PHONE: 516-3-1800 CONTACT: <i>Joe McNamee</i></i>											
<i>RECEIVED BY: (Signature) <i>Cindy Crain</i> RELINQUISHED BY: (Signature) <i>Cindy Crain</i></i>											
<i>RECEIVED BY: (Signature) <i>Joe McNamee</i> TIME: 8:15-02</i>											
<i>RElinquished BY: (Signature) <i>Joe McNamee</i> TIME: 1:53</i>											
<i>TURNAROUND TIME NEEDED</i>											
<i>WHITE — RECEIVING LAB YELLOW — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) PINK — PROJECT MANAGER GOLD — QA/QC COORDINATOR</i>											
<i>RECEIVED BY: (Signature) <i>Joe McNamee</i> DATE: 8/15/02 TIME: 16:10</i>											
<i>RECEIVED BY: (Signature) <i>Joe McNamee</i> DATE: 8/15/02 TIME: 16:10</i>											
<i>LA CONTACT PERSON: <i>Rec 1. 0°C</i></i>											
<i>SAMPLE CONDITION WHEN RECEIVED: <i>Chlorides</i></i>											
<i>SAMPLE TYPE: <i>CHLORIDES</i></i>											

# **ANALYTICAL REPORT**

**Prepared for:**

**CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project: Site #45**

**PO#:**

**Order#: G0306680**

**Report Date: 06/11/2003**

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710  
915-687-0456

Order#: G0306680  
Project: 0-0100-45  
Project Name: Site #45  
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>		<u>Date / Time</u>		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0306680-01	WW-1	WATER	6/5/03 11:50	6/6/03 16:50	See COC		Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 0.0 C			
	8021B/5030 BTEX						
	Anions						
	Cations						
	Total Dissolved Solids (TDS)						

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306680  
Project: 0-0100-45  
Project Name: Site #45  
Location: None Given

Lab ID: 0306680-01  
Sample ID: WW-1

### 8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0005801-02		6/11/03 12:29	1	1	CK	8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Toluene	<0.001	0.001
Ethylbenzene	<0.001	0.001
p/m-Xylene	<0.001	0.001
o-Xylene	<0.001	0.001

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	104%	80	120
Bromofluorobenzene	96%	80	120

Approval: *Alley D. Keene 06/12/03*

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Pech. Director

Jeanne McMurray, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
 LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710

Order#: G0306680  
 Project: 0-0100-45  
 Project Name: Site #45  
 Location: None Given

Lab ID: 0306680-01  
 Sample ID: WW-1

### *Anions*

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Bicarbonate Alkalinity	100	mg/L	1	2.00	310.1	6/6/03	SB
Carbonate Alkalinity	52.0	mg/L	1	0.10	310.1	6/6/03	SB
Chloride	19.5	mg/L	1	5.00	9253	6/10/03	SB
Hydroxide Alkalinity	<0.10	mg/L	1	0.10	310.1	6/6/03	SB
SULFATE, 375.4	4.10	mg/L	1	0.5	375.4	6/10/03	SB

### *Cations*

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Calcium	7.78	mg/L	1	0.010	6010B	6/10/03	SM
Magnesium	1.70	mg/L	1	0.001	6010B	6/10/03	SM
Potassium	8.03	mg/L	1	0.050	6010B	6/10/03	SM
Sodium	20.4	mg/L	10	0.10	6010B	6/10/03	SM

### *Test Parameters*

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Total Dissolved Solids (TDS)	70	mg/L	1	5.0	160.1	6/9/03	SB

Approval:

Raland K. Tuttle, Lab Director, QA Officer

Date

Celey D. Keene, Org. Tech. Director

Jeanne McMurrey, Inorg. Tech. Director

Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

RL = Reporting Limit

N/A = Not Applicable

Page 1 of 1

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

**8021B/5030 BTEX**

Order#: G0306680

<b>BLANK</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L	0005801-02			<0.001		
Toluene-mg/L	0005801-02			<0.001		
Ethylbenzene-mg/L	0005801-02			<0.001		
p/m-Xylene-mg/L	0005801-02			<0.001		
o-Xylene-mg/L	0005801-02			<0.001		
<b>CONTROL</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L	0005801-03		0.1	0.101	101%	
Toluene-mg/L	0005801-03		0.1	0.104	104%	
Ethylbenzene-mg/L	0005801-03		0.1	0.111	111%	
p/m-Xylene-mg/L	0005801-03		0.2	0.238	119%	
o-Xylene-mg/L	0005801-03		0.1	0.112	112%	
<b>CONTROL DUP</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L	0005801-04		0.1	0.101	101%	0%
Toluene-mg/L	0005801-04		0.1	0.093	93%	11.2%
Ethylbenzene-mg/L	0005801-04		0.1	0.095	95%	15.5%
p/m-Xylene-mg/L	0005801-04		0.2	0.202	101%	16.4%
o-Xylene-mg/L	0005801-04		0.1	0.095	95%	16.4%
<b>SRM</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L	0005801-05		0.1	0.095	95%	
Toluene-mg/L	0005801-05		0.1	0.095	95%	
Ethylbenzene-mg/L	0005801-05		0.1	0.098	98%	
p/m-Xylene-mg/L	0005801-05		0.2	0.206	103%	
o-Xylene-mg/L	0005801-05		0.1	0.098	98%	

**ENVIRONMENTAL LAB OF TEXAS**  
**QUALITY CONTROL REPORT**

**Anions**

Order#: G0306680

<b>BLANK</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L	0005759-01			<2.00		
Carbonate Alkalinity-mg/L	0005760-01			<0.10		
Chloride-mg/L	0005782-01			<5.00		
Hydroxide Alkalinity-mg/L	0005761-01			<0.10		
SULFATE, 375.4-mg/L	0005780-01			<0.50		
<b>DUPLICATE</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L	0306663-01	494		492		0.4%
Carbonate Alkalinity-mg/L	0306663-01	0		<0.10		0.%
Hydroxide Alkalinity-mg/L	0306663-01	0		<0.10		0.%
SULFATE, 375.4-mg/L	0306680-01	4.1		4.10		0.%
<b>MS</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L	0306680-01	19.5	100	119	99.5%	
<b>MSD</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L	0306680-01	19.5	100	120	100.5%	0.8%
<b>SRM</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Bicarbonate Alkalinity-mg/L	0005759-04		0.05	0.0496	99.2%	
Carbonate Alkalinity-mg/L	0005760-04		0.05	0.0496	99.2%	
Chloride-mg/L	0005782-04		5000	4960	99.2%	
Hydroxide Alkalinity-mg/L	0005761-04		0.05	0.0496	99.2%	
SULFATE, 375.4-mg/L	0005780-04		50	52.1	104.2%	

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

### Cations

Order#: G0306680

<b>BLANK</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L	0005786-02			<0.010		
Magnesium-mg/L	0005786-02			<0.001		
Potassium-mg/L	0005786-02			<0.050		
Sodium-mg/L	0005786-02			<0.010		
<b>DUPLICATE</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L	0306680-01	7.78		7.73		0.6%
Magnesium-mg/L	0306680-01	1.7		1.68		1.2%
Potassium-mg/L	0306680-01	8.03		7.98		0.6%
Sodium-mg/L	0306680-01	20.4		20.1		1.5%
<b>SRM</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L	0005786-05		2	2.04	102.%	
Magnesium-mg/L	0005786-05		2	2.15	107.5%	
Potassium-mg/L	0005786-05		2	1.78	89.%	
Sodium-mg/L	0005786-05		2	1.79	89.5%	

**ENVIRONMENTAL LAB OF TEXAS**  
**QUALITY CONTROL REPORT**

**Test Parameters**

**Order#: G0306680**

<b>BLANK</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L	0005772-01			<5.0		
<b>DUPLICATE</b> WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Total Dissolved Solids (TDS)-mg/L	0306663-01	4184		4312		3.%

CHAIN—OF—CUSTODY RECORD																							
CLIENT NAME: <i>Dynegy</i>	SITE MANAGER: <i>Cindy Crain</i>	PARAMETERS/METHOD NUMBER		NUMBER OF CONTAINERS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E. FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)																	
		PROJECT NO.: <i>D-0100-45</i>	PROJECT NAME: <i>Site #45</i>																				
PAGE <i>1</i> OF <i>1</i>	LAB. PO # <i>0306680</i>	DATE <i>6/16/03</i>	TIME <i>11:50</i>	WATER <i>Soil</i>	OTHER <i></i>	SAMPLE IDENTIFICATION <i>BTRX 80316</i> <i>Hydro's Lab#3</i>	2	✓	✓	✓													
<p><i>725</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50%;">SAMPLED BY: (Signature) <i>C. Crain</i></td><td style="width: 50%;">RECEIVED BY: (Signature) <i>J. M. Anderson</i></td></tr> <tr><td>DATE: <i>6/16/03</i></td><td>DATE: <i>6/16/03</i></td></tr> <tr><td>TIME: <i>11:50</i></td><td>TIME: <i>11:50</i></td></tr> </table> <p>RETRANSMITTED BY: (Signature) <i>C. Crain</i></p> <p>RECEIVED BY: (Signature) <i>J. M. Anderson</i></p> <p>DATE: <i>6/16/03</i></p> <p>TIME: <i>11:50</i></p> <p>COMMENTS:</p>										SAMPLED BY: (Signature) <i>C. Crain</i>	RECEIVED BY: (Signature) <i>J. M. Anderson</i>	DATE: <i>6/16/03</i>	DATE: <i>6/16/03</i>	TIME: <i>11:50</i>	TIME: <i>11:50</i>	RECEIVED BY: (Signature) <i>J. M. Anderson</i>	DATE: <i>6/16/03</i>	TIME: <i>11:50</i>	SAMPLE SHIPPED BY: (Circle) <input checked="" type="checkbox"/> FEDEX <input type="checkbox"/> UPS <input type="checkbox"/> HAND DELIVERED <input type="checkbox"/> OTHER	TURNAROUND TIME NEEDED <i>1 day</i>	DATE: <i>6/16/03</i>	TIME: <i>11:50</i>	AIRBILL #: _____
SAMPLED BY: (Signature) <i>C. Crain</i>	RECEIVED BY: (Signature) <i>J. M. Anderson</i>																						
DATE: <i>6/16/03</i>	DATE: <i>6/16/03</i>																						
TIME: <i>11:50</i>	TIME: <i>11:50</i>																						
<p>RECEIVING LABORATORY: _____</p> <p>ADDRESS: _____ STATE: _____ ZIP: _____</p> <p>CITY: _____ CONTACT: _____</p> <p>SAMPLE CONDITION WHEN RECEIVED: _____</p>										RECEIVED BY: (Signature) <i>C. Crain</i>	DATE: <i>6/16/03</i>	TIME: <i>11:50</i>	WHITE — RECEIVING LAB YELLOW — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)	PINK — PROJECT MANAGER GOLD — QA/QC COORDINATOR	SAMPLE TYPE: <i>Water 0.00</i>								

# **ANALYTICAL REPORT**

**Prepared for:**

**CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project:            Dynegy/ Site #26**

**PO#:**

**Order#:            G0306694**

**Report Date:    06/11/2003**

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
 P.O. BOX 50685  
 MIDLAND, TX 79710  
 915-687-0456

Order#: G0306694  
 Project: 0-0100-26  
 Project Name: Dynegy/ Site #26  
 Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>	<u>Date / Time</u>	<u>Container</u>	<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>		
0306694-01	SS-1	SOIL	6/10/03 9:25	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				
0306694-02	SS-4	SOIL	6/10/03 9:30	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				
0306694-03	SS-5	SOIL	6/10/03 9:32	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				
0306694-04	SS-6	SOIL	6/10/03 9:34	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				
0306694-05	SS-7	SOIL	6/10/03 9:36	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				
0306694-06	SS-8	SOIL	6/10/03 9:27	6/10/03 14:30	4 oz glass	Ice
		<u>Lab Testing:</u>	Rejected: No	Temp: 4.0 C		
		8015M Chloride				

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694  
Project: 0-0100-26  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306694-01  
Sample ID: SS-1

**8015M**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	158	10.0	
DRO, >C12-C35	2,540	10.0	
TOTAL, C6-C35	2,698	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	104%	70	130
1-Chlorooctadecane	132%	70	130

Lab ID: 0306694-02  
Sample ID: SS-4

**8015M**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	<10.0	10.0	
DRO, >C12-C35	16.8	10.0	
TOTAL, C6-C35	16.8	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	97%	70	130

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 3

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694  
Project: 0-0100-26  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306694-03  
Sample ID: SS-5

**8015M**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	26.2	10.0	
DRO, >C12-C35	600	10.0	
TOTAL, C6-C35	626	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	91%	70	130
1-Chlorooctadecane	103%	70	130

Lab ID: 0306694-04  
Sample ID: SS-6

**8015M**

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	<10.0	10.0	
DRO, >C12-C35	492	10.0	
TOTAL, C6-C35	492	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	105%	70	130
1-Chlorooctadecane	145%	70	130

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 2 of 3

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694  
Project: 0-0100-26  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306694-05  
Sample ID: SS-7

**8015M**

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	<10.0	10.0	
DRO, >C12-C35	59.1	10.0	
TOTAL, C6-C35	59.1	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	107%	70	130
1-Chlorooctadecane	114%	70	130

Lab ID: 0306694-06  
Sample ID: SS-8

**8015M**

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		6/11/03	1	1	WL	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	14.4	10.0	
DRO, >C12-C35	1,940	10.0	
TOTAL, C6-C35	1,954	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	111%	70	130
1-Chlorooctadecane	182%	70	130

Approval: *Raland K. Tuttle* 6-11-03  
 Raland K. Tuttle, Lab Director, QA Officer      Date  
 Celey D. Keene, Org. Tech. Director  
 Jeanne McMurrey, Inorg. Tech. Director  
 Sandra Biezugbe, Lab Tech.  
 Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 3 of 3

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694  
Project: 0-0100-26  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306694-01  
Sample ID: SS-1

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	1490	mg/kg	1	20	9253	6/11/03	SB

Lab ID: 0306694-02  
Sample ID: SS-4

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	319	mg/kg	1	20	9253	6/11/03	SB

Lab ID: 0306694-03  
Sample ID: SS-5

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	177	mg/kg	1	20	9253	6/11/03	SB

Lab ID: 0306694-04  
Sample ID: SS-6

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	248	mg/kg	1	20	9253	6/11/03	SB

Lab ID: 0306694-05  
Sample ID: SS-7

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	248	mg/kg	1	20	9253	6/11/03	SB

Lab ID: 0306694-06  
Sample ID: SS-8

### **Test Parameters**

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride	1310	mg/kg	1	20	9253	6/11/03	SB

RL = Reporting Limit

N/A = Not Applicable

Page 1 of 2

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694  
Project: 0-0100-26  
Project Name: Dynegy/ Site #26  
Location: None Given

Approval: Raland K. Tuttle 6-11-03  
Raland K. Tuttle, Lab Director, QA Officer Date  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0306694

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005795-02			<10.0		
<b>CONTROL</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005795-03		952	969	101.8%	
<b>CONTROL DUP</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005795-04		952	960	100.8%	0.9%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0005795-05		1000	1071	107.1%	

**ENVIRONMENTAL LAB OF TEXAS**  
**QUALITY CONTROL REPORT**

**Test Parameters**

Order#: G0306694

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005791-01			<20.0		
<b>MS</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306694-01	1490	500	1980	98.%	
<b>MSD</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0306694-01	1490	500	2000	102.%	1.%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0005791-04		5000	4960	99.2%	

# CASE NARRATIVE

## ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306694

Project: Dynegy/ Site #26

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-1	0306694-01	SOIL	06/10/2003	06/10/2003
SS-4	0306694-02	SOIL	06/10/2003	06/10/2003
SS-5	0306694-03	SOIL	06/10/2003	06/10/2003
SS-6	0306694-04	SOIL	06/10/2003	06/10/2003
SS-7	0306694-05	SOIL	06/10/2003	06/10/2003
SS-8	0306694-06	SOIL	06/10/2003	06/10/2003

Surrogate recoveries on 8015M TPH are outside control limits due to matrix interference(G0306694-01, 04, 06)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:

*Ralan C K Judd*  
Environmental Lab of Texas I, Ltd.

Date: 6-11-03

CLIENT NAME:		SITE MANAGER:		PARAMETERS/METHOD NUMBER		CHAIN—OF—CUSTODY RECORD	
Dynamic	Linda Crain						
PROJECT NO.:	PROJECT NAME:						
0-0100-24	Site #24						
PAGE	1 OF 1	LAB. PO #					
DATUM	TIME	WATER SOIL	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS			
4/10/03	0925	✓	55-1	1	✓		
"	0930	✓	55-4	1	✓		
"	0932	✓	55-5	1	✓		
"	0934	✓	55-6	1	✓		
"	0936	✓	55-7	1	✓		
"	0927	✓	55-8	1	✓		
						<i>2P1947</i>	
						<i>TTH 8015M</i>	
<i>2P1947</i>							
RECEIVED BY: (Signature) DATE: 4/10/03 TIME: 1000 RELINQUISHED BY: (Signature)							
RECEIVED BY: (Signature) DATE: 4/10/03 TIME: 1430 COMMENTS: <i>RUSH!!</i>							
RECEIVED BY: (Signature) DATE: 4/10/03 TIME: 1430 TURNAROUND TIME NEEDED <i>24/5H.</i>							
RECEIVING LABORATORY: Env Lab of TX RECEIVED BY: (Signature) DATE: 4/10/03 TIME: 1430							
ADDRESS: _____ STATE: _____ ZIP: _____ PHONE: _____							
CITY: _____ CONTACT: _____							
SAMPLE CONDITION WHEN RECEIVED: 40°C							
LA CONTACT PERSON: Linda Crain SAMPLE TYPE: 201/1							
RECEIVED BY: (Signature) DATE: _____ TIME: _____							
SAMPLE SHIPPED BY: (Circle) FEDEX UPS AIRBILL #: _____ OTHER: _____							
WHITE - RECEIVING LAB YELLOW - RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) PINK - PROJECT MANAGER GOLD - QA/QC COORDINATOR							

# **ANALYTICAL REPORT**

**Prepared for:**

**JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project:** Dynegy/ Site #26

**PO#:**

**Order#:** G0306929

**Report Date:** 07/11/2003

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710  
915-687-0456

Order#: G0306929  
Project:  
Project Name: Dynegy/ Site #26  
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>		<u>Date / Time</u>		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0306929-01	SS-9	SOIL	7/9/03 8:46	7/9/03 17:03	4 oz glass		Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.5 C			
	8015M						
	8021B/5030 BTEX						
0306929-02	SS-10	SOIL	7/9/03 9:00	7/9/03 17:03	4 oz glass		Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.5 C			
	8015M						
	8021B/5030 BTEX						
0306929-03	SS-11	SOIL	7/9/03 9:15	7/9/03 17:03	4 oz glass		Ice
	<u>Lab Testing:</u>	Rejected: No		Temp: 4.5 C			
	8015M						
	8021B/5030 BTEX						

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306929  
Project:  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306929-01  
Sample ID: SS-9

### 8015M

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 12:16	1	1	RKT	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	1,780	10.0	
DRO, >C12-C35	3,020	10.0	
TOTAL, C6-C35	4,800	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	129%	70	130
1-Chlorooctadecane	120%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 19:30	1	200	CK	8021B

Parameter	Result mg/kg	RL	
Benzene	12.4	0.200	
Toluene	62.7	0.200	
Ethylbenzene	44.1	0.200	
p/m-Xylene	70.5	0.200	
o-Xylene	25.0	0.200	

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	686%	80	120
Bromofluorobenzene	107%	80	120

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306929  
Project:  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306929-02  
Sample ID: SS-10

### 8015M

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 12:16	1	1	RKT	8015M

Parameter	Result mg/kg	RL	
GRO, C6-C12	83.3	10.0	
DRO, >C12-C35	328	10.0	
TOTAL, C6-C35	411.3	10.0	

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	126%	70	130
1-Chlorooctadecane	123%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 16:15	1	25	CK	8021B

Parameter	Result mg/kg	RL	
Benzene	<0.025	0.025	
Toluene	0.070	0.025	
Ethylbenzene	0.091	0.025	
p/m-Xylene	0.290	0.025	
o-Xylene	0.107	0.025	

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	101%	80	120
Bromofluorobenzene	91%	80	120

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306929  
Project:  
Project Name: Dynegy/ Site #26  
Location: None Given

Lab ID: 0306929-03  
Sample ID: SS-11

### 8015M

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 12:16	1	1	RKT	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	<10	10.0
DRO, >C12-C35	33.5	10.0
TOTAL, C6-C35	33.5	10.0

Surrogates	% Recovered	QC Limits (%)	
1-Chlorooctane	128%	70	130
1-Chlorooctadecane	118%	70	130

### 8021B/5030 BTEX

<u>Method</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Sample Amount</u>	<u>Dilution Factor</u>	<u>Analyst</u>	<u>Method</u>
Blank		7/10/03 17:49	1	25	CK	8021B

Parameter	Result mg/kg	RL
Benzene	<0.025	0.025
Toluene	<0.025	0.025
Ethylbenzene	<0.025	0.025
p/m-Xylene	<0.025	0.025
o-Xylene	<0.025	0.025

Surrogates	% Recovered	QC Limits (%)	
aaa-Toluene	100%	80	120
Bromofluorobenzene	88%	80	120

Approval: *Celey D. Keene* 07/11/03  
 Raland K. Tuttle, Lab Director, QA Officer  
 Celey D. Keene, Org. Tech. Director  
 Jeanne McMurray, Inorg. Tech. Director  
 Sandra Biezugbe, Lab Tech.  
 Sara Molina, Lab Tech.

Page 3 of 3

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

8015M

Order#: G0306929

<b>BLANK</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0006140-02			<10		
<b>CONTROL</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0006140-03		952	1222	128.4%	
<b>CONTROL DUP</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0006140-04		952	1224	128.6%	0.2%
<b>SRM</b>	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0006140-05		1000	1094	109.4%	

CLIENT NAME:

SITE MANAGER:

PARAMETERS/METHOD NUMBER

CHAIN—OF—CUSTODY RECORD

PROJECT NO.: *Dunes*PROJECT NAME: *S. Tr # 26*

**Larson & Associates, Inc.**  
Environmental Consultants

Fax: 915-687-0456

915-687-0901

PAGE 1 OF 1

LAB. PO #

507 N. Marienfeld, Ste. 202 • Midland, TX 79701

DATE 7/19/03 TIME 8:46 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

LAB. I.D. NUMBER

(LAB USE ONLY)

REMARKS  
(I.E., FILTERED, UNFILTERED,  
PRESERVED, UNPRESERVED,  
GRAB COMPOSITE)DATE 7/19/03 TIME 9:00 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:13 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:19 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:26 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:33 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:40 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:47 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 9:54 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:01 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:08 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:15 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:22 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:29 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:36 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:43 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:50 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

DATE 7/19/03 TIME 10:57 WATER SS - 9 SOIL SS - 10 OTHER SS - 11

SAMPLE IDENTIFICATION

NUMBER OF CONTAINERS

RELINQUISHED BY: (Signature) *John Nock* DATE: 7/19/03 TIME: 10:57  
 RECEIVED BY: (Signature) *John Nock* DATE: 7/19/03 TIME: 10:57  
 TURNAROUND TIME NEEDED: 3 - 4 hrs

COMMENTS:

Need results by 7/11/03 Friday Noch  
 RECEIVING LABORATORY: Environmental Lab of TX  
 RECEIVED BY: (Signature) *John Nock* DATE: 7/19/03 TIME: 10:57

ADDRESS: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_  
 CITY: \_\_\_\_\_ DATE: 7/19/03 TIME: 10:57  
 CONTACT: \_\_\_\_\_ PHONE: \_\_\_\_\_

SAMPLE CONDITION WHEN RECEIVED:

LA CONTACT PERSON:

SAMPLE TYPE: 4.5°C

# ENVIRONMENTAL LAB OF TEXAS

## QUALITY CONTROL REPORT

**8021B/5030 BTEX**

Order#: G0306929

<b>BLANK</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0006142-02			<0.025		
Toluene-mg/kg		0006142-02			<0.025		
Ethylbenzene-mg/kg		0006142-02			<0.025		
p/m-Xylene-mg/kg		0006142-02			<0.025		
o-Xylene-mg/kg		0006142-02			<0.025		
<b>MS</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0306942-12	0	0.1	0.109	109.%	
Toluene-mg/kg		0306942-12	0	0.1	0.115	115.%	
Ethylbenzene-mg/kg		0306942-12	0	0.1	0.116	116.%	
p/m-Xylene-mg/kg		0306942-12	0	0.2	0.240	120.%	
o-Xylene-mg/kg		0306942-12	0	0.1	0.117	117.%	
<b>MSD</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0306942-12	0	0.1	0.105	105.%	3.7%
Toluene-mg/kg		0306942-12	0	0.1	0.112	112.%	2.6%
Ethylbenzene-mg/kg		0306942-12	0	0.1	0.117	117.%	0.9%
p/m-Xylene-mg/kg		0306942-12	0	0.2	0.237	118.5%	1.3%
o-Xylene-mg/kg		0306942-12	0	0.1	0.113	113.%	3.5%
<b>SRM</b>	<b>SOIL</b>	<b>LAB-ID #</b>	<b>Sample Concentr.</b>	<b>Spike Concentr.</b>	<b>QC Test Result</b>	<b>Pct (%) Recovery</b>	<b>RPD</b>
Benzene-mg/kg		0006142-05		0.1	0.110	110.%	
Toluene-mg/kg		0006142-05		0.1	0.114	114.%	
Ethylbenzene-mg/kg		0006142-05		0.1	0.111	111.%	
p/m-Xylene-mg/kg		0006142-05		0.2	0.233	116.5%	
o-Xylene-mg/kg		0006142-05		0.1	0.117	117.%	

# CASE NARRATIVE

## ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306929

Project: Dynegy/ Site #26

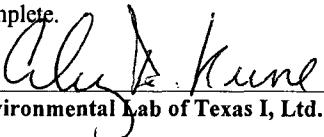
The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-9	0306929-01	SOIL	07/09/2003	07/09/2003
SS-10	0306929-02	SOIL	07/09/2003	07/09/2003
SS-11	0306929-03	SOIL	07/09/2003	07/09/2003

Surrogate recoveries on the 8021B BTEX are outside control limits due to matrix interference.  
(0306929-01)

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

Approved By:

  
Alyx J. Kunk  
Environmental Lab of Texas I, Ltd.

Date:

07/11/03

# **ANALYTICAL REPORT**

**Prepared for:**

**JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project:** Dynegy Site #26

**PO#:**

**Order#:** G0307910

**Report Date:** 11/12/2003

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710  
915-687-0456

Order#: G0307910  
Project:  
Project Name: Dynegy Site #26  
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>		<u>Date / Time</u>		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0307910-01	SS-9	SOIL	7/9/03 8:46	7/9/03 17:03	4 oz glass		ice
			<u>Lab Testing:</u> Fingerprint by GC/FID	Rejected: No	Temp: 4.5 C		

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

JOHN STEWART  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0307910  
Project:  
Project Name: Dynegy Site #26  
Location: None Given

Lab ID: 0307910-01  
Sample ID: SS-9

### Fingerprint by GC/FID

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		7/10/03	1	1	JLH	8015M

Parameter	Result %	RL
C6-C8	12.1	1.00
C8-C10	16.7	1.00
C10-C12	14.3	1.00
C12-C16	23.5	1.00
C16-C21	21.1	1.00
C21-C35	12.3	1.00

Approval: *Raland K. Tuttle* 11-12-03  
Date  
Raland K. Tuttle, Lab Director, QA Officer  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

# CASE NARRATIVE

## ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0307910

Project: Dynegy Site #26

The following samples were received as indicated below and on the attached Chain of Custody record. All analyses were performed within the holding time and with acceptable quality control results unless otherwise noted.

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-9	0307910-01	SOIL	07/09/2003	07/09/2003

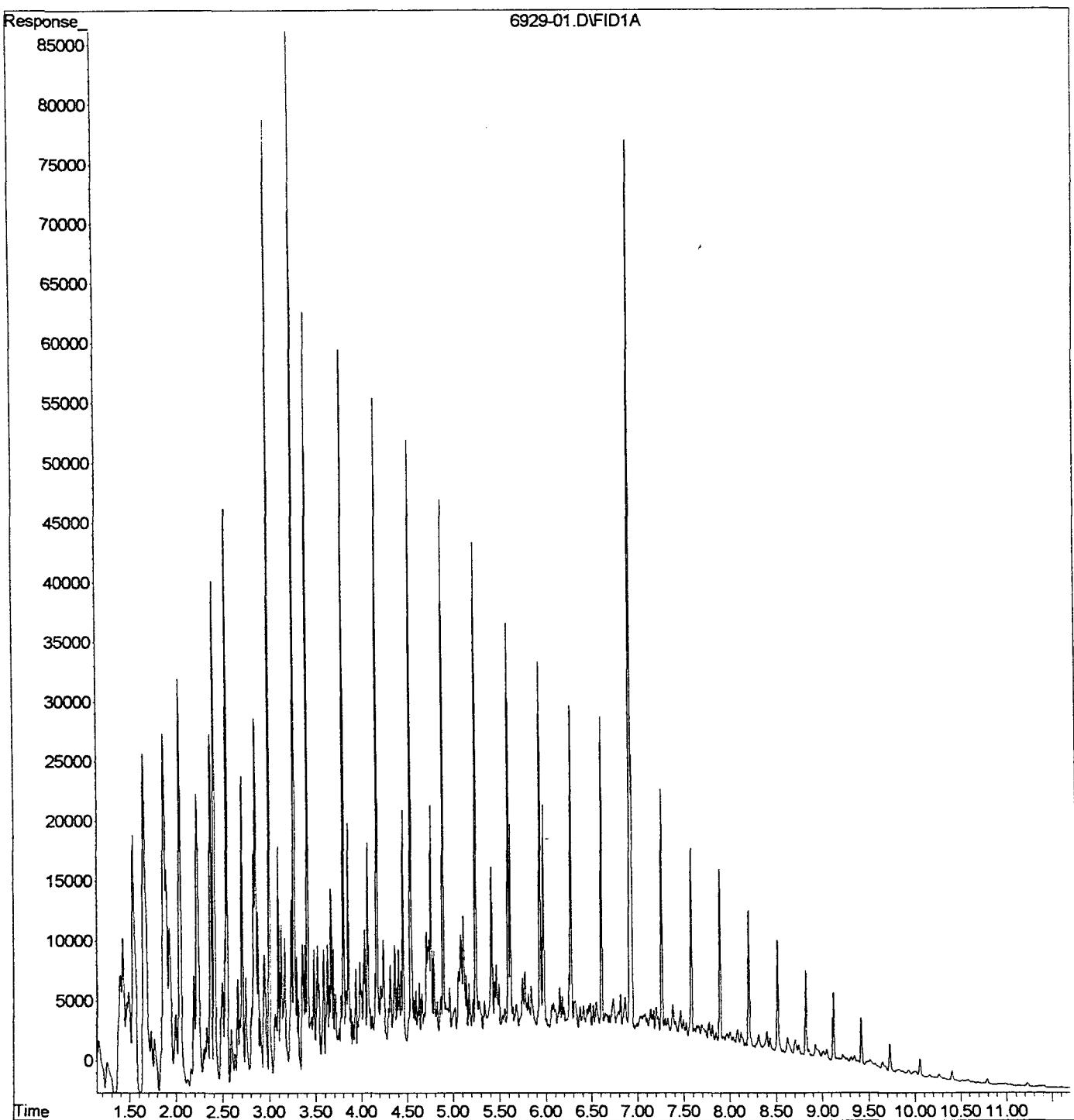
This fingerprint was run using the 8015M TPH method, therefore the surrogates are included in the total fingerprint analysis.

The enclosed results of analyses are representative of the samples as received by the laboratory. Environmental Lab of Texas makes no representations or certifications as to the methods of sample collection, sample identification, or transportation handling procedures used prior to our receipt of samples. To the best of my knowledge, the information contained in this report is accurate and complete.

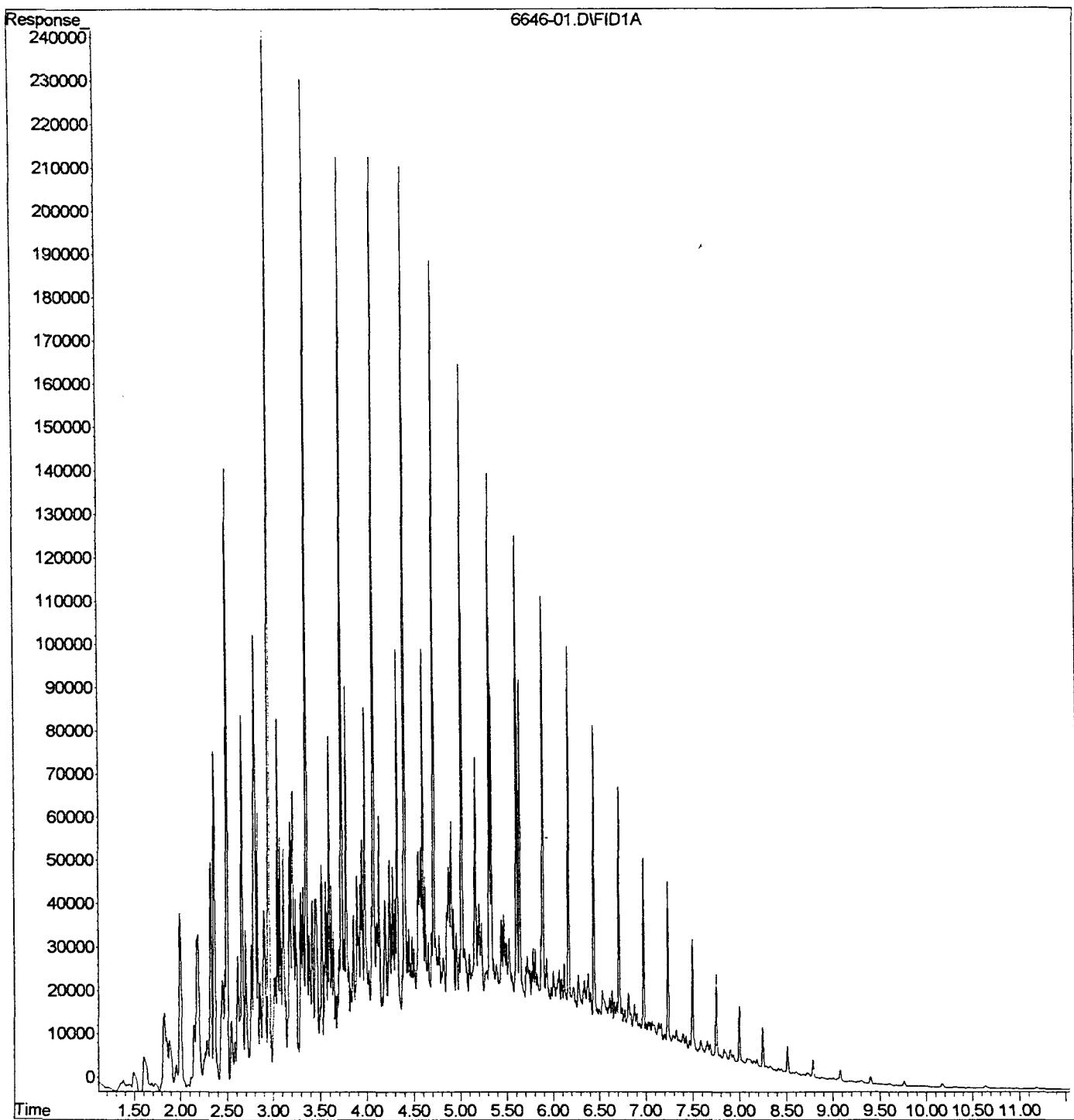
Approved By: Rala d/c Jwu Date: 11-12-03  
Environmental Lab of Texas I, Ltd.

JLH

File : D:\071003\6929-01.D  
Operator : CDK 7910-01  
Acquired : 10 Jul 2003 4:00 pm using AcqMethod 1005RTE.M  
Instrument : GC/MS Ins  
Sample Name:  
Misc Info :  
Vial Number: 54



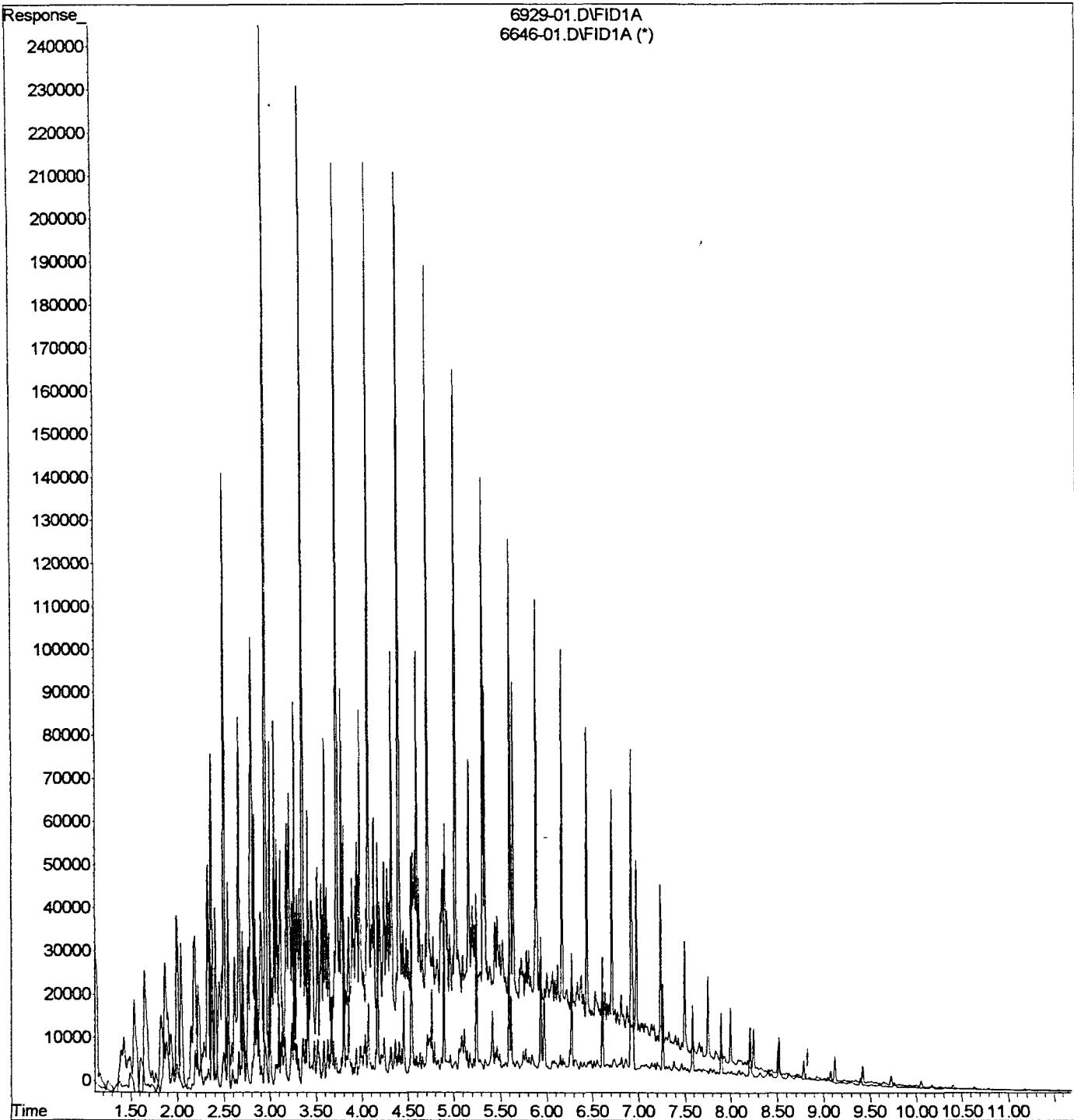
File : D:\060503\6646-01.D  
Operator : rt  
Acquired : 6 Jun 2003 9:28 pm using AcqMethod 1005RTC.M  
Instrument : GC/MS Ins  
Sample Name:  
Misc Info : fingerprint  
Vial Number: 50



File : C:\HPCHEM\1\DATA\071003\6929-01.D  
Operator : CDK  
Acquired : 10 Jul 2003 4:00 pm using AcqMethod 1005RTE.M  
Instrument : GC/MS Ins  
Sample Name:  
Misc Info :  
Vial Number: 54

JUH

7910-01



CLIENT NAME: <i>J. M. S.</i>		SITE MANAGER: <i>J. M. S.</i>	PROJECT NO.: <i>J. P. H. 26</i>	PROJECT NAME: <i>J. P. H. 26</i>	PARAMETERS/METHOD NUMBER				CHAIN—OF—CUSTODY RECORD			
PAGE	OF	LAB. PO #										
				NUMBER OF CONTAINERS <i>1</i>								
				SAMPLE IDENTIFICATION								
				<i>8/116</i>	<i>SS-9</i>	<i>8/100</i>	<i>SS-10</i>					
				<i>8/100</i>	<i>SS-10</i>	<i>8/100</i>	<i>SS-11</i>					
				<i>8/115</i>	<i>SS-11</i>	<i>8/115</i>	<i>SS-11</i>					
				<i>8/116</i>	<i>SS-9</i>	<i>8/100</i>	<i>SS-10</i>					
				<i>8/100</i>	<i>SS-10</i>	<i>8/100</i>	<i>SS-11</i>					
				<i>8/115</i>	<i>SS-11</i>	<i>8/115</i>	<i>SS-11</i>					
				<i>8/116</i>	<i>SS-9</i>	<i>8/100</i>	<i>SS-10</i>					
				<i>8/100</i>	<i>SS-10</i>	<i>8/100</i>	<i>SS-11</i>					
				<i>8/115</i>	<i>SS-11</i>	<i>8/115</i>	<i>SS-11</i>					
				<i>8/116</i>	<i>SS-9</i>	<i>8/100</i>	<i>SS-10</i>					
				<i>8/100</i>	<i>SS-10</i>	<i>8/100</i>	<i>SS-11</i>					
				<i>8/115</i>	<i>SS-11</i>	<i>8/115</i>	<i>SS-11</i>					
								RECALLED	NO	RECALLED	NO	
								RECALLED BY: (Signature) <i>C. T. M.</i>				
								DATE: <u>7/11/03</u>	TIME: <u>11:30</u>	RELINQUISHED BY: (Signature)	DATE: <u>7/11/03</u>	TIME: <u>12:30</u>
								RECEIVED BY: (Signature) <i>C. T. M.</i>				
								DATE: <u>7/11/03</u>	TIME: <u>12:30</u>	RElinquished BY: (Signature) <i>C. T. M.</i>	DATE: <u>7/11/03</u>	TIME: <u>12:30</u>
								DATE: <u>7/11/03</u>	TIME: <u>12:30</u>	RECEIVED BY: (Signature)	DATE: <u>7/11/03</u>	TIME: <u>12:30</u>
								RECEIVED BY: (Circle) WHITE      — RECEIVING LAB YELLOW — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEP) PINK — PROJECT MANAGER GOLD — QAQC COORDINATOR				
								SAMPLE SHIPPED BY: FEDEX      TURNAROUND TIME NEEDED UPS          OTHER:				
								<b>WHITE</b> — RECEIVING LAB				
								<b>YELLOW</b> — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEP)				
								<b>PINK</b> — PROJECT MANAGER				
								<b>GOLD</b> — QAQC COORDINATOR				
								SAMPLE TYPE: <i>L15C</i>				
								LA CONTACT PERSON:				
								SAMPLE CONDITION WHEN RECEIVED:				
								COMMENTS: <i>New results by 7/11/03</i>				
								RECEIVING LABORATORY: <i>Environmental Test &amp; Research Lab Inc.</i>				
								ADDRESS: _____ STATE: _____ ZIP: _____ PHONE: _____				
								CITY: _____ CONTACT: _____ DATE: <u>7/9/03</u> TIME: <u>17:33</u>				

# **ANALYTICAL REPORT**

**Prepared for:**

**CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710**

**Project: Site #45**

**PO#:**

**Order#: G0306646**

**Report Date: 06/10/2003**

**Certificates**

**US EPA Laboratory Code TX00158**

# ENVIRONMENTAL LAB OF TEXAS

## SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710  
915-687-0456

Order#: G0306646  
Project: 0-0100-45  
Project Name: Site #45  
Location: None Given

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas, unless otherwise noted.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u>		<u>Date / Time</u>		<u>Preservative</u>
			<u>Collected</u>	<u>Received</u>	<u>Container</u>		
0306646-01	Pipeline	OIL	6/4/03 14:55	6/5/03 8:18	4 oz plastic		None
			<u>Lab Testing:</u>	Rejected: No	Temp: 3.0 C		

Fingerprint by GC/FID

# ENVIRONMENTAL LAB OF TEXAS

## ANALYTICAL REPORT

CINDY CRAIN  
LARSON AND ASSOCIATES, INC.  
P.O. BOX 50685  
MIDLAND, TX 79710

Order#: G0306646  
Project: 0-0100-45  
Project Name: Site #45  
Location: None Given

Lab ID: 0306646-01  
Sample ID: Pipeline

### Fingerprint by GC/FID

<u>Method</u> <u>Blank</u>	<u>Date</u> <u>Prepared</u>	<u>Date</u> <u>Analyzed</u>	<u>Sample</u> <u>Amount</u>	<u>Dilution</u> <u>Factor</u>	<u>Analyst</u>	<u>Method</u>
		6/6/03	1	1	CK	GC/FID

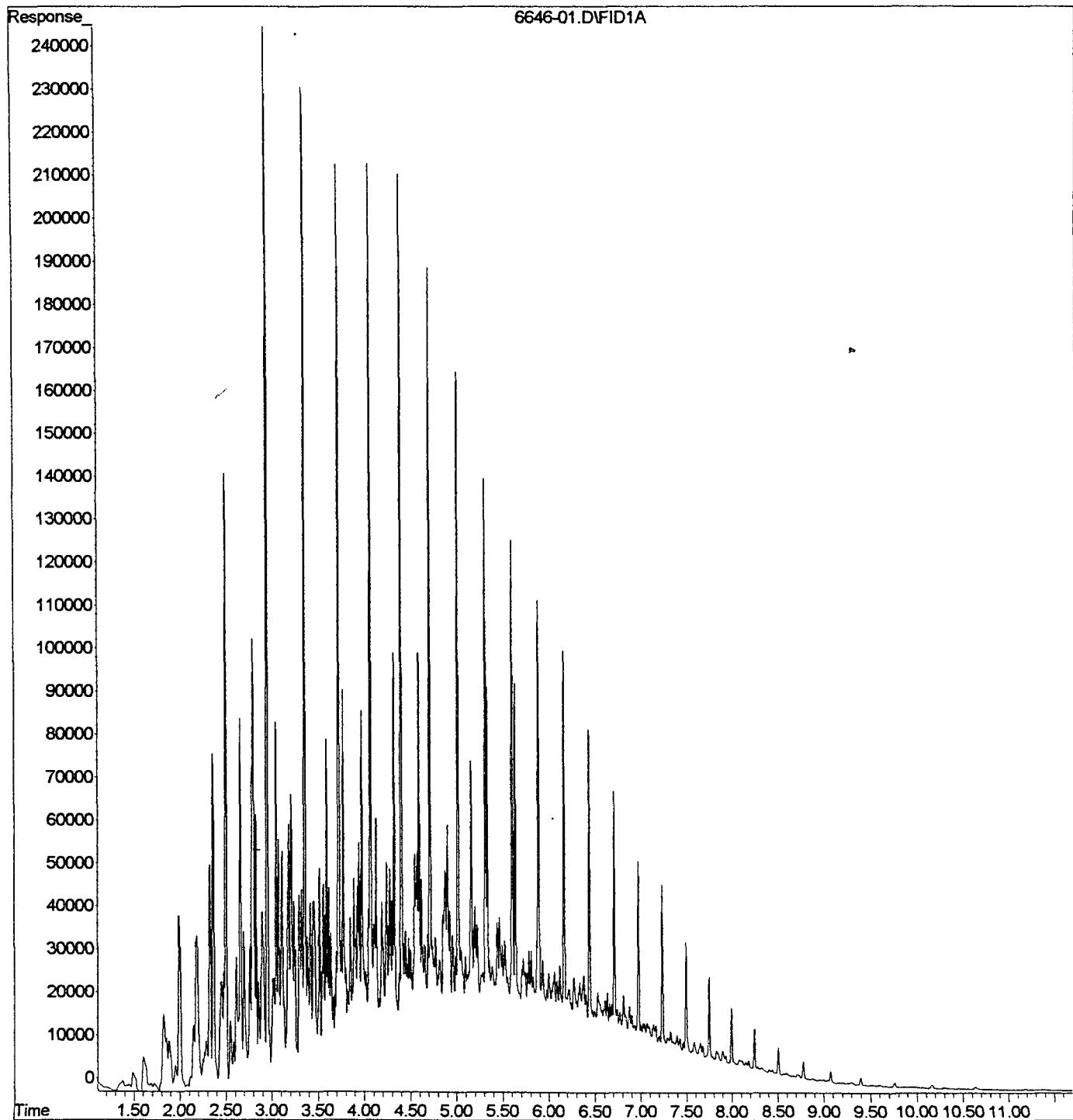
Parameter	Result %	RL
C6-C8	2.54	1.00
C8-C10	16.5	1.00
C10-C12	17.1	1.00
C12-C16	27.3	1.00
C16-C21	18.6	1.00
C21-C35	17.9	1.00

Approval:  Celey D. Keene 06/11/03  
Raland K. Tuttle, Lab Director, QA Officer Date  
Celey D. Keene, Org. Tech. Director  
Jeanne McMurrey, Inorg. Tech. Director  
Sandra Biezugbe, Lab Tech.  
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

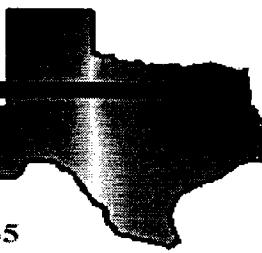
Page 1 of 1

File : C:\HPCHEM\1\DATA\060503\6646-01.D  
Operator : rt  
Acquired : 6 Jun 2003 9:28 pm using AcqMethod 1005RTC.M  
Instrument : GC/MS Ins  
Sample Name:  
Misc Info : fingerprint  
Vial Number: 50



CLIENT NAME: <i>Dynegy</i>		SITE MANAGER: <i>Lind Crain</i>		PARAMETERS/METHOD NUMBER		CHAIN—OF—CUSTODY RECORD			
PROJECT NO.: <i>D-0100-415</i>		PROJECT NAME: <i>Site #415</i>				<b>LA</b> <b>orson &amp; ASSOCIATES, Inc.</b> <small>Environmental Consultants</small> 915-687-0456 915-687-0901 507 N. Marienfeld, Ste. 202 • Midland, TX 79701			
PAGE <i>01</i>	OF <i>1</i>	LAB. PO # <i>1455</i>	LAB. PO # <i>710</i>	NUMBER OF CONTAINERS <i>1</i>	SAMPLE IDENTIFICATION <i>Water Sample</i>	LAB. I.D. (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)	RECEIVED BY: (Signature) <i>John M. Weller</i>	DATE: _____ TIME: _____
DATE <i>04/03/03</i>	TIME <i>1455</i>	DATE <i>04/03/03</i>	TIME <i>0820</i>	DATE <i>04/03/03</i>	TIME <i>0818</i>	SAMPLE SHIPPED BY: (Circle) <input checked="" type="checkbox"/> FEDEX <input checked="" type="checkbox"/> HAND DELIVERED <input type="checkbox"/> UPS <input type="checkbox"/> OTHER			
COMMENTS: <i>Fingerprints</i>				TURNAROUND TIME NEEDED		<b>WHITE</b> — RECEIVING LAB <b>YELLOW</b> — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) <b>PINK</b> — PROJECT MANAGER <b>GOLD</b> — QA/QC COORDINATOR			
RECEIVING LABORATORY: _____		RECEIVED BY: (Signature) <i>John M. Weller</i>		DATE: _____ TIME: _____		SAMPLE TYPE: <i>Product 3.0°C</i>			
ADDRESS: _____		STATE: _____ ZIP: _____		DATE: _____ TIME: _____		CONTACT: _____			
CITY: _____		PHONE: _____							
CONTACT: _____									
SAMPLE CONDITION WHEN RECEIVED:		LA CONTACT PERSON:							

**ENVIRONMENTAL  
LAB OF**



**12600 West I-20 East - Odessa, Texas 79765**

## **Analytical Report**

**Prepared for:**

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site#26

Project Number: 0-0100-26

Location: None Given

Lab Order Number: 4C03001

Report Date: 03/05/04

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
60-62'	4C03001-01	Soil	03/02/04 09:16	03/02/04 16:15
62-64'	4C03001-02	Soil	03/02/04 09:17	03/02/04 16:15
64-66'	4C03001-03	Soil	03/02/04 09:24	03/02/04 16:15
66-68'	4C03001-04	Soil	03/02/04 09:25	03/02/04 16:15
68-70'	4C03001-05	Soil	03/02/04 09:41	03/02/04 16:15
70-72'	4C03001-06	Soil	03/02/04 09:42	03/02/04 16:15
72-74'	4C03001-07	Soil	03/02/04 09:54	03/02/04 16:15
74-76'	4C03001-08	Soil	03/02/04 09:55	03/02/04 16:15

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

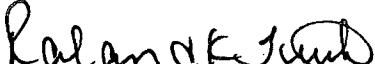
Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>60-62' (4C03001-01)</b>									
Benzene	3.35	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	18.5	0.0250	"	"	"	"	"	"	
Ethylbenzene	13.5	0.0250	"	"	"	"	"	"	
Xylene (p/m)	19.5	0.0250	"	"	"	"	"	"	
Xylene (o)	7.11	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	1050 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	97.7 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	1990	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3800	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5790	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	85.4 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	80.0 %	70-130		"	"	"	"	"	
<b>62-64' (4C03001-02)</b>									
Benzene	3.53	0.100	mg/kg dry	100	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	32.6	0.100	"	"	"	"	"	"	
Ethylbenzene	29.8	0.100	"	"	"	"	"	"	
Xylene (p/m)	45.5	0.100	"	"	"	"	"	"	
Xylene (o)	16.5	0.100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	487 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	98.0 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	2020	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3740	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5760	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	128 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	128 %	70-130		"	"	"	"	"	
<b>64-66' (4C03001-03)</b>									
Benzene	2.03	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	10.6	0.0250	"	"	"	"	"	"	
Ethylbenzene	11.1	0.0250	"	"	"	"	"	"	
Xylene (p/m)	16.7	0.0250	"	"	"	"	"	"	
Xylene (o)	6.66	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	692 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	104 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	1080	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3100	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	4180	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	125 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	120 %	70-130		"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

  
Cindy Crain

Quality Assurance Review

Page 2 of 10

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

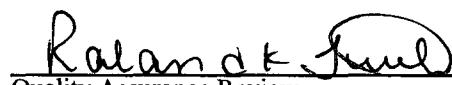
Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>66-68' (4C03001-04)</b>									
Benzene	0.590	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	3.25	0.0250	"	"	"	"	"	"	
Ethylbenzene	3.57	0.0250	"	"	"	"	"	"	
Xylene (p/m)	6.28	0.0250	"	"	"	"	"	"	
Xylene (o)	2.80	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	288 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	100 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	104	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	268	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	372	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	102 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	100 %	70-130		"	"	"	"	"	
<b>68-70' (4C03001-05)</b>									
Benzene	15.9	0.200	mg/kg dry	200	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	60.0	0.200	"	"	"	"	"	"	
Ethylbenzene	42.7	0.200	"	"	"	"	"	"	
Xylene (p/m)	64.3	0.200	"	"	"	"	"	"	
Xylene (o)	24.2	0.200	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	553 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	104 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	2910	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	5640	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	8550	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	184 %	70-130		"	"	"	"	"	S-04
Surrogate: 1-Chlorooctadecane	161 %	70-130		"	"	"	"	"	S-04
<b>70-72' (4C03001-06)</b>									
Benzene	1.72	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	17.5	0.0250	"	"	"	"	"	"	
Ethylbenzene	17.7	0.0250	"	"	"	"	"	"	
Xylene (p/m)	25.7	0.0250	"	"	"	"	"	"	
Xylene (o)	9.63	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene	792 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	93.7 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	1610	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3790	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5400	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane	122 %	70-130		"	"	"	"	"	
Surrogate: 1-Chlorooctadecane	126 %	70-130		"	"	"	"	"	

Environmental Lab of Texas

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Roland K. Fuer

Quality Assurance Review

Page 3 of 10

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>72-74' (4C03001-07)</b>									
Benzene	18.0	0.200	mg/kg dry	200	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	64.8	0.200	"	"	"	"	"	"	
Ethylbenzene	45.4	0.200	"	"	"	"	"	"	
Xylene (p/m)	68.2	0.200	"	"	"	"	"	"	
Xylene (o)	26.0	0.200	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	596 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	106 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	3610	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	6280	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	9890	10.0	"	"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctane	278 %	70-130		"	"	"	"	"	S-04
Surrogate: <i>I</i> -Chlorooctadecane	264 %	70-130		"	"	"	"	"	S-04
<b>74-76' (4C03001-08)</b>									
Benzene	2.12	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	17.8	0.0250	"	"	"	"	"	"	
Ethylbenzene	17.6	0.0250	"	"	"	"	"	"	
Xylene (p/m)	25.9	0.0250	"	"	"	"	"	"	
Xylene (o)	9.97	0.0250	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	735 %	80-120		"	"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene	103 %	80-120		"	"	"	"	"	
Gasoline Range Organics C6-C12	1750	10.0	mg/kg dry	1	EC40209	03/03/04	03/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	3970	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	5720	10.0	"	"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctane	127 %	70-130		"	"	"	"	"	
Surrogate: <i>I</i> -Chlorooctadecane	125 %	70-130		"	"	"	"	"	

Environmental Lab of Texas

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*Roland K. Jenkins*  
Quality Assurance Review

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

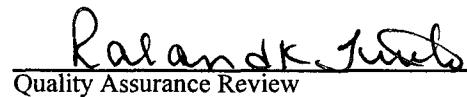
Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**General Chemistry Parameters by EPA / Standard Methods**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>60-62' (4C03001-01)</b>									
% Solids	94.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>62-64' (4C03001-02)</b>									
% Solids	96.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>64-66' (4C03001-03)</b>									
% Solids	89.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>66-68' (4C03001-04)</b>									
% Solids	84.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>68-70' (4C03001-05)</b>									
% Solids	94.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>70-72' (4C03001-06)</b>									
% Solids	95.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>72-74' (4C03001-07)</b>									
% Solids	95.0		%	1	EC40401	03/04/04	03/04/04	% calculation	
<b>74-76' (4C03001-08)</b>									
% Solids	94.0		%	1	EC40401	03/04/04	03/04/04	% calculation	

Environmental Lab of Texas

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\_\_\_\_\_  
Quality Assurance Review

Page 5 of 10

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EC40209 - Solvent Extraction (GC)**

**Blank (EC40209-BLK1)**

Prepared & Analyzed: 03/03/04

Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	"							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	38.5		mg/kg	50.0		77.0	70-130			
Surrogate: 1-Chlorooctadecane	39.4		"	50.0		78.8	70-130			

**LCS (EC40209-BS1)**

Prepared & Analyzed: 03/03/04

Gasoline Range Organics C6-C12	404	10.0	mg/kg wet	500		80.8	75-125			
Diesel Range Organics >C12-C35	501	10.0	"	500		100	75-125			
Total Hydrocarbon C6-C35	905	10.0	"	1000		90.5	75-125			
Surrogate: 1-Chlorooctane	44.1		mg/kg	50.0		88.2	70-130			
Surrogate: 1-Chlorooctadecane	39.6		"	50.0		79.2	70-130			

**LCS Dup (EC40209-BSD1)**

Prepared & Analyzed: 03/03/04

Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125	1.72	20	
Diesel Range Organics >C12-C35	512	10.0	"	500		102	75-125	2.17	20	
Total Hydrocarbon C6-C35	923	10.0	"	1000		92.3	75-125	1.97	20	
Surrogate: 1-Chlorooctane	48.5		mg/kg	50.0		97.0	70-130			
Surrogate: 1-Chlorooctadecane	39.2		"	50.0		78.4	70-130			

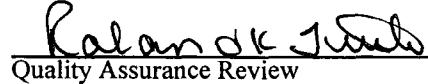
**Calibration Check (EC40209-CCV1)**

Prepared & Analyzed: 03/03/04

Gasoline Range Organics C6-C12	442		mg/kg	500		88.4	80-120			
Diesel Range Organics >C12-C35	535		"	500		107	80-120			
Total Hydrocarbon C6-C35	977		"	1000		97.7	80-120			
Surrogate: 1-Chlorooctane	57.6		"	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	55.3		"	50.0		111	70-130			

Environmental Lab of Texas

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Quality Assurance Review

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EC40503 - EPA 5030C (GC)**

Blank (EC40503-BLK1)										
		Prepared & Analyzed: 03/03/04								
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	90.0		ug/kg	100		90.0	80-120			
Surrogate: 4-Bromofluorobenzene	97.4		"	100		97.4	80-120			

**LCS (EC40503-BS1)**

LCS (EC40503-BS1)										
		Prepared & Analyzed: 03/03/04								
Benzene	96.9		ug/kg	100		96.9	80-120			
Toluene	92.6		"	100		92.6	80-120			
Ethylbenzene	91.2		"	100		91.2	80-120			
Xylene (p/m)	179		"	200		89.5	80-120			
Xylene (o)	88.1		"	100		88.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	98.0		"	100		98.0	80-120			
Surrogate: 4-Bromofluorobenzene	93.7		"	100		93.7	80-120			

**Calibration Check (EC40503-CCV1)**

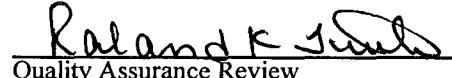
Calibration Check (EC40503-CCV1)										
		Prepared: 03/03/04 Analyzed: 03/04/04								
Benzene	95.9		ug/kg	100		95.9	80-120			
Toluene	91.1		"	100		91.1	80-120			
Ethylbenzene	89.9		"	100		89.9	80-120			
Xylene (p/m)	177		"	200		88.5	80-120			
Xylene (o)	91.0		"	100		91.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.5		"	100		93.5	80-120			
Surrogate: 4-Bromofluorobenzene	100		"	100		100	80-120			

**Matrix Spike (EC40503-MS1)**

Matrix Spike (EC40503-MS1)										
	Source: 4C04002-03			Prepared: 03/03/04 Analyzed: 03/04/04						
Benzene	2370		ug/kg	2500	ND	94.8	80-120			
Toluene	2350		"	2500	68.9	91.2	80-120			
Ethylbenzene	2350		"	2500	64.0	91.4	80-120			
Xylene (p/m)	4620		"	5000	131	89.8	80-120			
Xylene (o)	2260		"	2500	37.7	88.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	98.8		"	100		98.8	80-120			
Surrogate: 4-Bromofluorobenzene	97.3		"	100		97.3	80-120			

Environmental Lab of Texas

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Quality Assurance Review

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**Organics by GC - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch EC40503 - EPA 5030C (GC)**

Matrix Spike Dup (EC40503-MSD1)	Source: 4C04002-03	Prepared: 03/03/04 Analyzed: 03/04/04							
Benzene	2440	ug/kg	2500	ND	97.6	80-120	2.91	20	
Toluene	2390	"	2500	68.9	92.8	80-120	1.74	20	
Ethylbenzene	2380	"	2500	64.0	92.6	80-120	1.30	20	
Xylene (p/m)	4670	"	5000	131	90.8	80-120	1.11	20	
Xylene (o)	2360	"	2500	37.7	92.9	80-120	4.40	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	92.0	"	100		92.0	80-120			
<i>Surrogate: 4-Bromofluorobenzene</i>	104	"	100		104	80-120			

Environmental Lab of Texas

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Roland K. Smith  
Quality Assurance Review

Page 8 of 10

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

**General Chemistry Parameters by EPA / Standard Methods - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD RPD	Limit Notes
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**Batch EC40401 - % Solids**

**Blank (EC40401-BLK1)** Prepared & Analyzed: 03/04/04

% Solids 100 %

**Duplicate (EC40401-DUP1)** Source: 4C03001-01 Prepared & Analyzed: 03/04/04

% Solids 94.0 % 94.0 0.00 20

Environmental Lab of Texas

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Roland J. Soto

Quality Assurance Review

Page 9 of 10

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/05/04 13:32

#### Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

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*Roland E. J. Sels*  
Quality Assurance Review

Page 10 of 10

**Environmental Lab of Texas**  
**Variance / Corrective Action Report – Sample Log-In**

Client: Larson + Associates

Date/Time: 03-03-04 @ 0900

Order #: 4 C03001

Initials: JMM

**Sample Receipt Checklist**

Temperature of container/cooler?	<input checked="" type="checkbox"/>	No	4	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No	NO LABELS	
Container labels legible and intact?	<input checked="" type="checkbox"/>	No	NO LABELS	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

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**Variance Documentation:**

Contact Person: \_\_\_\_\_ Date/Time: \_\_\_\_\_ Contacted by: \_\_\_\_\_

Regarding:

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Corrective Action Taken:

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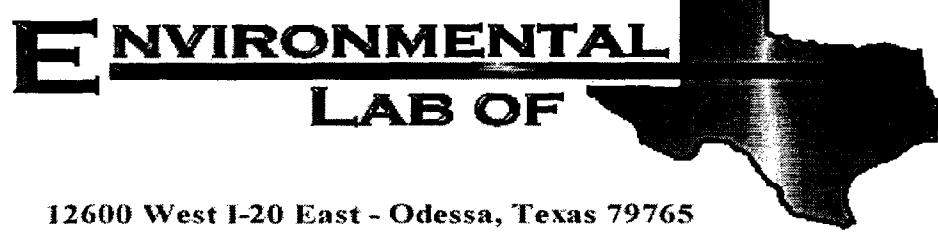
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CLIENT NAME:		SITE MANAGER:		PROJECT NAME:		PARAMETERS/METHOD NUMBER		CHAIN—OF—CUSTODY RECORD	
Dynegy		Larry Crain		Site 226		BTR 8015M		LA	
PROJECT NO.:		PAGE / OF		LAB. PO #		NUMBER OF CONTAINERS		ASSOCIATES, Inc.	
D-0100-216		1 / 1						Environmental Consultants	
DATE		TIME		SAMPLE IDENTIFICATION		LAB. I.D. NUMBER (LAB USE ONLY)		REMARKS (I.E. FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)	
09/04		0916		Soil		4C03001-01			
"		0917		Soil		-02			
"		0924		Soil		-03			
"		0925		Soil		-04			
4		0941		Soil		-05			
"		0942		Soil		-06			
"		0954		Soil		-07			
"		0955		Soil		-08			
COMMENTS:									
RECEIVING LABORATORY:		RECEIVED BY: (Signature)		DATE: 3/2/04 TIME: 1100		RELINQUISHED BY: (Signature)		DATE: _____ TIME: _____	
ADDRESS: 12600 W 20 E		RECEIVED BY: (Signature)		DATE: 3/2/04 TIME: 1415		RELINQUISHED BY: (Signature)		DATE: _____ TIME: _____	
CITY: CONTACT: _____		STATE: ZIP: _____		PHONE: _____		TURNAROUND TIME NEEDED		WHITE — RECEIVING LAB YELLOW — RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)	
SAMPLE CONDITION WHEN RECEIVED: Horz glass 4°C		LA CONTACT PERSON: C. Crain		SAMPLE TYPE: 201		PINK — PROJECT MANAGER GOLD — QA/QC COORDINATOR		BUS AIRBILL #: _____ UPS OTHER: _____	



## Analytical Report

**Prepared for:**

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site#26

Project Number: 0-0100-26

Location:

Lab Order Number: 4C08008

Report Date: 03/12/04

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/12/04 15:12

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
72-74	4C08008-01	Soil	03/02/04 09:54	03/02/04 16:15
74-76	4C08008-02	Soil	03/02/04 09:55	03/02/04 16:15

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

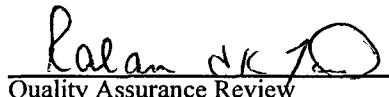
Fax: (432) 687-0456  
Reported:  
03/12/04 15:12

SPLP Volatile Halocarbons by EPA Method 1312/8021B  
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>72-74 (4C08008-01)</b>									
Benzene	0.0497	0.00100	mg/L	1	EC41204	03/11/04	03/11/04	EPA 8021B	
Toluene	0.966	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.793	0.00100	"	"	"	"	"	"	
Xylene (p/m)	1.13	0.00100	"	"	"	"	"	"	
Xylene (o)	0.451	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		588 %	80-120		"	"	"	"	S-04
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	
<b>74-76 (4C08008-02)</b>									
Benzene	ND	0.00100	mg/L	1	EC41204	03/11/04	03/11/04	EPA 8021B	
Toluene	0.0708	0.00100	"	"	"	"	"	"	
Ethylbenzene	0.149	0.00100	"	"	"	"	"	"	
Xylene (p/m)	0.387	0.00100	"	"	"	"	"	"	
Xylene (o)	0.219	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		108 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

Page 2 of 4

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/12/04 15:12

**SPLP Volatile Halocarbons by EPA Method 1312/8021B - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch EC41204 - EPA GC 1312</b>										
<b>Blank (EC41204-BLK1)</b>										
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	100		ug/kg	100		100	80-120			
Surrogate: 4-Bromofluorobenzene	98.4		"	100		98.4	80-120			
<b>LCS (EC41204-BS1)</b>										
Benzene	100		ug/kg	100		100	80-120			
Toluene	96.6		"	100		96.6	80-120			
Ethylbenzene	94.3		"	100		94.3	80-120			
Xylene (p/m)	189		"	200		94.5	80-120			
Xylene (o)	97.1		"	100		97.1	80-120			
Surrogate: a,a,a-Trifluorotoluene	105		"	100		105	80-120			
Surrogate: 4-Bromofluorobenzene	98.5		"	100		98.5	80-120			
<b>Calibration Check (EC41204-CCV1)</b>										
Benzene	99.0		ug/kg	100		99.0	80-120			
Toluene	94.6		"	100		94.6	80-120			
Ethylbenzene	91.8		"	100		91.8	80-120			
Xylene (p/m)	184		"	200		92.0	80-120			
Xylene (o)	95.5		"	100		95.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	97.9		"	100		97.9	80-120			
Surrogate: 4-Bromofluorobenzene	96.9		"	100		96.9	80-120			
<b>Duplicate (EC41204-DUP1)</b>										
		Source: 4C08008-02			Prepared & Analyzed: 03/11/04					
Benzene	ND	0.00100	mg/L		ND					20
Toluene	0.0744	0.00100	"		0.0708			4.96	20	
Ethylbenzene	0.142	0.00100	"		0.149			4.81	20	
Xylene (p/m)	0.380	0.00100	"		0.387			1.83	20	
Xylene (o)	0.219	0.00100	"		0.219			0.00	20	
Surrogate: a,a,a-Trifluorotoluene	109		ug/kg	100		109	80-120			
Surrogate: 4-Bromofluorobenzene	115		"	100		115	80-120			

Environmental Lab of Texas

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*R. Larson* 3/12/04  
Quality Assurance Review

Page 3 of 4

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/12/04 15:12

### Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

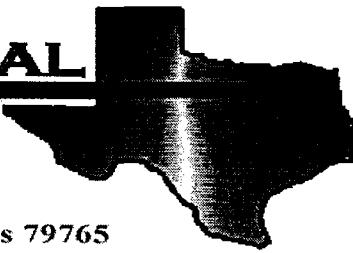
*The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory.. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.*

*Rale* *3/12/04*  
Quality Assurance Review

Page 4 of 4

CLIENT NAME:		SITE MANAGER:		PARAMETERS/METHOD NUMBER							CHAIN—OF—CUSTODY RECORD		
Dynegy		Cindy Crain											
PROJECT NO.:		PROJECT NAME:											
D-0100-26		Site #26											
PAGE	/ OF	LAB. PO #		DATE	TIME	MATERIAL	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	REMARKS (I.E. FILTRATED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)		
1	/			3/2/99	0916 <sub>000</sub>				60 - C2'	1	✓ ✓	4008008	
				"	0917				C2 - C4'	1	✓ ✓	-02	
				"	0924				C4 - C6'	1	✓ ✓	-03	
				"	0925				66 - 68'	1	✓ ✓	-04	
				"	0941				68 - 70'	1	✓ ✓	-05	
				"	0942				70 - 72'	1	✓ ✓	-06	
				"	0954				72 - 74'	1	✓ ✓	-07 01	
				"	0955				74 - 76'	1	✓ ✓	-08 02	
3-18-04 Add Analysis Per Cindy Crain (KA)													
RELINQUISHED BY: (Signature) <i>L. C. O.</i>		RECEIVED BY: (Signature) <i>R. G. C. J.</i>		DATE: <u>3/21/99</u> TIME: <u>10:00</u>		DATE: <u>3/21/99</u> TIME: <u>10:15</u>		RElinquished BY: (Signature) <i>L. C. O.</i>		RECEIVED BY: (Signature) <i>R. G. C. J.</i>		DATE: <u>3/21/99</u> TIME: <u>10:15</u>	
COMMENTS: <b>3-18-04 Add Analysis Per Cindy Crain (KA)</b>													
RECEIVING LABORATORY: <u>ECO</u>		RECEIVING LABORATORY: <u>ECO</u>		TURNAROUND TIME NEEDED <u>13 day</u>		WHITE — RECEIVING LAB		WHITE — RECEIVING LAB		WHITE — RECEIVING LAB		WHITE — RECEIVING LAB	
ADDRESS: <u>12600 W 1-20 E</u>		ADDRESS: <u>12600 W 1-20 E</u>		STATE: <u>TX</u> ZIP: <u>76115</u>		LA AFTER RECEIPT		LA AFTER RECEIPT		LA AFTER RECEIPT		LA AFTER RECEIPT	
CITY: <u>Dallas</u>		CITY: <u>Dallas</u>		PHONE: <u>76115</u>		PROJECT MANAGER		PROJECT MANAGER		PROJECT MANAGER		PROJECT MANAGER	
CONTACT: <u>None</u>		CONTACT: <u>None</u>		SAMPLE CONDITION WHEN RECEIVED: <u>Hor glass</u>		LA CONTACT PERSON: <u>C. L. Crain</u>		QA/QC COORDINATOR		QA/QC COORDINATOR		QA/QC COORDINATOR	
SAMPLE TYPE: <u>Soil</u>		SAMPLE TYPE: <u>Soil</u>											

**ENVIRONMENTAL  
LAB OF**



**12600 West I-20 East - Odessa, Texas 79765**

## **Analytical Report**

**Prepared for:**

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site#26

Project Number: 0-0100-26

Location: None Given

Lab Order Number: 4C15001

Report Date: 03/18/04

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/18/04 12:16

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
60-62'	4C15001-01	Soil	03/02/04 09:16	03/02/04 16:15
68-70'	4C15001-02	Soil	03/02/04 09:41	03/02/04 16:15

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/18/04 12:16

**SPLP Volatile Halocarbons by EPA Method 1312/8021B**

**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>60-62' (4C15001-01)</b>									
Benzene	ND	0.00100	mg/L	1	EC41809	03/16/04	03/16/04	EPA 8021B	
Toluene	<b>0.0448</b>	0.00100	"	"	"	"	"	"	"
Ethylbenzene	<b>0.149</b>	0.00100	"	"	"	"	"	"	"
Xylene (p/m)	<b>0.240</b>	0.00100	"	"	"	"	"	"	"
Xylene (o)	<b>0.133</b>	0.00100	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		"	"	"	"	
<b>68-70' (4C15001-02)</b>									
Benzene	<b>0.00179</b>	0.00100	mg/L	1	EC41809	03/16/04	03/16/04	EPA 8021B	
Toluene	<b>0.195</b>	0.00100	"	"	"	"	"	"	"
Ethylbenzene	<b>0.289</b>	0.00100	"	"	"	"	"	"	"
Xylene (p/m)	<b>0.394</b>	0.00100	"	"	"	"	"	"	"
Xylene (o)	<b>0.240</b>	0.00100	"	"	"	"	"	"	"
Surrogate: a,a,a-Trifluorotoluene		129 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	80-120		"	"	"	"	

S-04

Environmental Lab of Texas

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\_\_\_\_\_  
Quality Assurance Review

Page 2 of 4

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/18/04 12:16

**SPLP Volatile Halocarbons by EPA Method 1312/8021B - Quality Control**  
**Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	RPD Limits	RPD Limit	Notes
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**Batch EC41809 - EPA GC 1312**

**Blank (EC41809-BLK1)** Prepared & Analyzed: 03/16/04

Benzene	ND	0.00100	mg/L						
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00100	"						
Xylene (o)	ND	0.00100	"						
Surrogate: <i>a,a,a</i> -Trifluorotoluene	95.4		ug/kg	100		95.4	80-120		
Surrogate: 4-Bromofluorobenzene	91.3		"	100		91.3	80-120		

**LCS (EC41809-BS1)**

Prepared & Analyzed: 03/16/04

Benzene	102		ug/kg	100		102	80-120		
Toluene	94.8		"	100		94.8	80-120		
Ethylbenzene	92.1		"	100		92.1	80-120		
Xylene (p/m)	185		"	200		92.5	80-120		
Xylene (o)	95.2		"	100		95.2	80-120		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	98.3		"	100		98.3	80-120		
Surrogate: 4-Bromofluorobenzene	92.7		"	100		92.7	80-120		

**Calibration Check (EC41809-CCV1)**

Prepared & Analyzed: 03/16/04

Benzene	103		ug/kg	100		103	80-120		
Toluene	96.4		"	100		96.4	80-120		
Ethylbenzene	95.1		"	100		95.1	80-120		
Xylene (p/m)	191		"	200		95.5	80-120		
Xylene (o)	98.8		"	100		98.8	80-120		
Surrogate: <i>a,a,a</i> -Trifluorotoluene	105		"	100		105	80-120		
Surrogate: 4-Bromofluorobenzene	102		"	100		102	80-120		

**Duplicate (EC41809-DUP1)**

Source: 4C15001-02 Prepared & Analyzed: 03/16/04

Benzene	0.00142	0.00100	mg/L		0.00179		23.1	20	
Toluene	0.205	0.00100	"		0.195		5.00	20	
Ethylbenzene	0.247	0.00100	"		0.289		15.7	20	
Xylene (p/m)	0.433	0.00100	"		0.394		9.43	20	
Xylene (o)	0.266	0.00100	"		0.240		10.3	20	
Surrogate: <i>a,a,a</i> -Trifluorotoluene	128		ug/kg	100		128	80-120		
Surrogate: 4-Bromofluorobenzene	111		"	100		111	80-120		

S-04

Environmental Lab of Texas

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Quality Assurance Review

Page 3 of 4

Larson & Associates, Inc.  
P.O. Box 50685  
Midland TX, 79710

Project: Dynegy Site#26  
Project Number: 0-0100-26  
Project Manager: Cindy Crain

Fax: (432) 687-0456  
Reported:  
03/18/04 12:16

### Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

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*Rolan (F. Smail)*  
Quality Assurance Review

Page 4 of 4

CLIENT NAME:		SITE MANAGER:		PARAMETERS/METHOD NUMBER		CHAIN—OF—CUSTODY RECORD	
Duney		Cindy Crain		SP/LP BTX		LA	
PROJECT NO.: D.DIN 2/6		PROJECT NAME: Type 2		BTX 8C18		arson & ASSOCIATES, Inc.	
PAGE 1 OF 1		LAB. PO #		70H 8C15M		Environmental Consultants 432-687-0456 567 N. Marienfeld, Ste. 202 • Midland, TX 79701	
NUMBER OF CONTAINERS							
DATE	TIME	WATER	SAMPLE IDENTIFICATION	LAB. I.D. NUMBER	REMARKS (E.g. FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE, RESIDUE)		
3/1/04	09160	✓	600 - C-2,	4603001-01	4C15001 - C1		
"	0917	✓	C-2 - C-4'		-02		
"	0924	✓	C-4 - C-6'		-03		
"	0925	✓	C-6 - C-8'		-04		
"	0927	✓	C-8 - C-10'		-05		
"	0929	✓	C-10 - C-12'		-06		
"	0931	✓	C-12 - C-14'		-07		
"	0934	✓	C-14 - C-16'		-08		
"	0935	✓	C-16 - C-18'		-09		
* SEE ATTACHED FAX ANALYSIS REQUEST 03-15-04 @ 0932							
COMMENTS: 3-8-04 Add Analyses Per Cindy Crain (FA)		DATE: 3/21/04 TIME: 1000		RELINQUISHED BY: (Signature) RECEIVED BY: (Signature)		DATE: _____ TIME: _____	
RECEIVING LABORATORY: LCO		DATE: 3/21/04 TIME: 1015		RECEIVED BY: (Signature) RECEIVED BY: (Signature)		SAMPLE SHIPPED BY: (Circle) FEDEX FEDEX HAND DELIVERED	
ADDRESS: 12600 W 1-20 E		STATE: ZIP: 79332		TURNAROUND TIME NEEDED R/15H (3 day)		WHITE - RECEIVING LAB YELLOW - RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT) PINK - PROJECT MANAGER GOLD - QA/QC COORDINATOR	
CITY: CONTACT: PHONE: 1-2010		DATE: 3-02-04 TIME: 1015				SAMPLE TYPE: 2011	
SAMPLE CONDITION WHEN RECEIVED: H <sub>2</sub> glass Rec 40C LA CONTACT PERSON: Cindy Crain							

**FAX**

**DATE:** March 15, 2004  
**TO:** Jeanne  
**WITH:** Environmental Lab of Texas  
**FAX:** (915) 563-1713  
**FROM:** Cindy Crain  
**WITH:** Larson and Associates, Inc.  
**PAGES (with cover):** 1

**RE:** Dynegy Site # 26 soil samples  
Order # 4C03001

---

Jeanne,

Please run SPLP (BTEX) on the following samples from Order #4C03001:

60-62' (4C03001-01)  
68-70' (4C03001-05)

Thank you,  
Cindy Crain

Larson and Associates, Inc.  
507 N. Marienfeld Street  
Suite 202  
Midland, Texas 79701  
(915) 687-0901

[cindy@laenvironmental.com](mailto:cindy@laenvironmental.com)

Please call Cindy Crain at (915) 687-0901 if this transmittal is not legible.