4301R -

REPORTS

DATE: 4/29/2004



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 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 SampleDynegy Midstream Services, L. P., Spill Site No. 26NW/4, SE/4, Section 31, Township 23 South, Range 37 EastLea 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 C 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 NMOCD 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
Sta	ndard (WQ	CC)	0.01	0.75	0.75	0.6	2
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.

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 <u>Cindy@laenvironmental.com</u>.

Sincerely, Larson & Associates, Inc.

K. Crain inde

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



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

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas Depth in feet below ground surface

Photoionization detector

Parts per million

Gasoline-range organics

Diesel-range organics

Total petroleum hydrocarbons (Sum of GRO + DRO)

Milligrams per kilogram

6. TPH: 7. mg/kg

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4. GRO: 5. DRO:

2. PID: 3. ppm: 1. BGS: Notes:

No data available Below method detection limit

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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 Table 2:

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

- All analyses performed by Environmental Lab of Texas I, Ltd., Notes:
 - 1. Bgs: 2. mg/L: 2. <:
 - Below ground surface Milligrams per liter Below the test method detection limit

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

ample umber	Sample Date	Sample Location	Sample Depth (feet BGS)	(mqq) CII	Benzene mg/kg	Total BTEX mg/kg	GRO C6-C12 mg/kg	DRO >C12-C35 mg/kg	TPH (C6-C35) mg/kg	Chloride mg/kg
1	Sta	ndard (WQCC)			10	50			100	250
5S-1	06/10/03	North wall	6	181		***	158	2,540	2,698	1,490
5S-2	06/10/03	Bottom	12	677	-					-
5S-3	06/10/03	Bottom	23	842	1					-
\$S-4	06/10/03	West side	21	21.4		1	<10.0	16.8	16.8	319
S-5	06/10/03	South end; east side	21	41.6		1	26.2	600	626.2	177
S-6	06/10/03	North side	ω	17.4	1	1	<10.0	492	492	248
S-7	06/10/03	South side	20	9.8	-	1	<10.0	59.1	59.1	248
S-8	06/10/03	North end; east side	2	11.8		1	14.4	1,940	1,954.4	1,310
6-S	02/09/03	Bottom; center	27	-	12.4	214.7	1,780	3,020	4,800	1
S-10	02/09/03	Bottom; southeast	27	1	<0.025	0.558	83.3	328	411.3	
S-11	20/60/20	Bottom; south central	27	1	<0.025	<0.125	<10.0	33.5	33.5	

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

1. BGS: Depth in feet below ground surface

PID: Photoionization detector

ppm: Parts per million

GRO: Gasoline-range organics DRO: Diesel-range organics

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

mg/kg Milligrams per kilogram

---: No data available

c: Below method detection limit

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

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 12.3	21.1	23.5	14.3	16.7	12.1	27	Bottom; center	7/9/2003	
17.9	18.6	27.3	17.1	16.5	2.5	8	Pipeline	003	6/4/2
 %	%	%	%	%	%	Depth (feet bgs)	Location	e	Dat
 C21-C35	C16-C21	C12-C16	C10-C12	C8-C10	C6-C8	Sample	Sample	ple	Sam

All analyses performed by Environmental Lab of Texas I, Ltd., Midland, Texas Notes: Summary of Headspace and Laboratory 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 Table 5:

		y, New NEXI	3					
Borehole	Sample	Sample	PID (mnn)	Benzene ma/ka	Total BTEY	GRO Ce-C13	DRO SC13_C3E	TPH ///
		(feet BGS)	(mdd)	δy/δ	mg/kg	mg/kg	mg/kg	mg/kg
Sta	ndard (WQ	cc)		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	104	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:		All analyses	performed b	y Environme	ental Lab of	Fexas I, Ltd.	, Midland, T	exas
1. BGS:		Depth in feet	below grou	nd surface				
2. PID:		Photoionizati	ion detector					
3. ppm:		Parts per mil	lion					
4. GRO:		Gasoline-ran	ge organics					
5. DRO:		Diesel-range	organics					
6. TPH:		Total petrole	um hydrocai	rbons (Sum (of GRO + DF	(Q)		
7. mg/kg		Milligrams pe	er kilogram					
8. :	-	No data avai	lable					
9. <:		Below metho	d detection	limit				

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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 Table 6:

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
Sta	indard (WQ	())	0.01	0.75	0.75	0.6	52
GP-1	03/02/04	60-62	QN	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	DN	0.0708	0.149	0.387	0.219
Notes:	All analyses	s performed t	oy Environm	ental Lab of	Texas I, Ltd., Mid	land, Texas	
1. BGS:		Depth in feet	t below groui	nd surface			

Milligrams per liter Non-detectable 2. mg/L 3. ND:

FIGURES

507 North Marienfeld, Suite 202 ♦ Midland, Texas 79701 ♦ Ph. (432) 687-0901 ♦ Fax (432) 687-0456





APPENDIX A

NMOCD CORRESPONDENCE

August 14, 2003

VIA FACSIMILE: (505) 393-0720

Mr. Larry Johnson Oil Conservation Division – District I New Mexico Energy, Minerals and Natural Resources Department 1625 North French Drive Hobbs, New Mexico 88240

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

Dear Mr. Johnson:

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) spills at two locations (Site #26 and Site #45) in the northeast quarter (NE/4) of the southwest quarter (SW/4), Section 31, Township 23 South, Range 37 East, Lea County, New Mexico. The spills occurred along a section of pipeline trending south to north. The spill at the northernmost Site (Site #45) was encountered on June 4, 2003, and a Release Notification and Corrective Action form (Form C-141) was submitted to the State of New Mexico Oil Conservation Division (NMOCD). A copy of the C-141 is attached.

LA personnel were on site June 5, 2003 to collect soil samples at Site #45 for laboratory analysis. At a depth of approximately nine (9) feet below ground surface (bgs), additional soil staining was encountered. Excavation was continued from June 5 to July 2, 2003, until no further impacted soil was observed.

Dynegy observed an additional spill on the pipeline, approximately 500 feet south of Site #45. While awaiting laboratory results of samples collected at Site #45, Dynegy began remediation of the spill site to the south (Site #26). As of July 2, 2003, the horizontal limits of impacted soil had been determined; however, no vertical limits had been defined. The excavation of Site #26 has been halted at a depth of 35 feet bgs, pending approval of this workplan.

Dynegy proposes to continue excavation of Site #26 until a vertical limit of impact is defined, and Recommended Remediation Action Levels (RRALs) can be calculated. Laboratory results from soil collected at Site #45 and Site #26 will be compared to the calculated RRALs, and excavation will continue until laboratory results exhibit soil concentrations below the RRAL.

Mr. Larry Johnson August 14, 2003 Page 2

A report will be submitted to the NMOCD following completion of activities, prior to backfilling of the excavations.

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 <u>Cindy@laenvironmental.com</u>.

Sincerely,

Cindy K. Crain Project Manager/Geologist

CC: Mr. Cal Wrangham, Dynegy Mr. Dave Harris, Dynegy Mr. Roger Holland, Dynegy



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

September 12, 2003

Dynegy Midstream Services, L.P.

Mr. Dave Harris

P.O. Box 1909 Eunice, NM 88231 hdae@dynegy.com

Re: Delineation Work Plan Approval, Site #26 Kelly Myers Deep Well Ranch Site Reference UL-J, Sec-31 T-23S R-37E Initial C-141 Notification Dated: 6-23-03 Request Plan Dated: 8-14-03

Dear Mr. Harris,

The Delineation Work Plan Proposal submitted to the New Mexico Oil Conservation Division (OCD) by Larson & Associates for Dynegy Midstream Services, L.P. is **hereby approved** with the following conditions:

- 48 hour notification to OCD prior to all anticipated final (closure) sampling events to provide OCD opportunity to witness and/or split samples
- Submittal of closure plan as per guidelines for OCD approval prior to any backfill event

Please be advised that OCD approval of this plan does not relieve Dynegy Midstream Services, L.P. of liability should their operations fail to adequately investigate and remediate contaminants that threaten ground water, surface water, human health or the environment. Additionally, OCD approval does not relieve Dynegy Midstream Services, L.P. of responsibility for compliance with any other federal, state, or local laws and/or regulations.

If you have any questions or need assistance please call (505) 393-6161, x111 or email lwjohnson@state.nm.us

Sincerely,

Larry Johnson - Environmental Engineer

Cc:

Chris Williams - District I Supervisor Paul Sheeley - Environmental Engineer Cindy Crain - Larson & Associates

APPENDIX B

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

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	SI	JBSURFACE PROFILE	S	Α	MF	PLE	E		
Depth	Symbol	Description	Number		Type		Recovery	PID Measurement (PPM) 500 1500	Lab Analysis
60- - - - - - - - - - - - - - - - - - -		Sand 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 2 3 4 5 6 7 8					1369.0 1999.0 1999.0 1999.0 1582.0 1999.0 1747.0	60-62' bgs - BTEX: 61.96 mg/kg TPH: 5790 mg/kg 62-64' bgs - BTEX: 127.93 mg/kg TPH: 5760 mg/kg 64-66' bgs - BTEX: 47.09 mg/kg TPH: 4180 mg/kg 66-68' bgs - BTEX: 16.49 mg/kg TPH: 372 mg/kg 68-70' bgs - BTEX: 207.10 mg/kg TPH: 8550 mg/kg 70-72' bgs - BTEX: 72.25 mg/kg TPH: 5400 mg/kg 72-74' bgs - BTEX: 222.40 mg/kg . TPH: 9890 mg/kg 74-76' bgs - BTEX: 73.39 mg/kg TPH: 5720 mg/kg
	Drilling I Date Dri Iole Siz	Method: Direct Push Larso 507 N Midla 2e: 2" (915)	n and A orth Ma nd, Tex 687-090	As ari (a: D1	so ien s 7	ciat felc 970	tes, I St. I	Inc. Che , Ste. 202 Dril	ecked by: CKC led by: Larson & Associates

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: BH-1

Geologist: Cindy K. Crain

Page: 1 of 1

	รเ	JBSURFACE PROFILE		SA	MPI	LE		
Depth	Symbol	Description		Number	Type	Recovery	PID Measurement (PPM) 25 50	Lab Analysis
0-		Ground Surface					640	0-1' bas
		Sand 5 YR 5/6, yellowish red quartz sand, very fi grained, poorly sorted, loose.	ne	1			64.0	TPH: 633 mg/kg BTEX: <0.125 mg/kg Chlorides: 1380 mg/kg
	HHH	Silty Clay 10 YR 2/1, black, very fine grained, very poorly sorted, hydrocarbon stained, soft, no plastic clay.	 on-	2				Chlorides: 354 mg/kg
10-		Caliche		3			47.0	10-11' bgs TPH: <20 mg/kg Chlorides: 35.4 mg/kg
15-		5 YR 7/2 to 4/1, pinkish gray to dark gray quartz sand, some hydrocarbon staining, v fine grained, very poorty sorted, indurated.	/ery –	4			16.0	15-16' bgs Chlorides: 53.2 mg/kg
20-		Sand 5 YR 7/4, pink quartz sand, very fine grain poorty sorted, loose.	ed,	5			1.0	20-21' bgs Chlorides: 207 mg/kg
25-				6			. 0 ●	25-26' bgs TPH: <20 mg/kg Chlorides: 70.9 mg/kg
30- 35-	-						~	
	Drilling I Date Dri Iole Siz	Method: Air Rotary Lars Iled: 8/13/02 507 Mid 915	son an North Iand, ⁻ 5) 687-	nd A Mai Texa -090 ⁻	ssoci rienfe is 797 1	iates, eld St. 701	Inc. Che , Ste. 202 Dri	ecked by: CKC lled by: Scarborough Drilling

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: BH-2

Geologist: Cindy K. Crain

Page: 1 of 1

	SUBSURFACE PROFILE			SA	MPI	E		
Depth	Symbol	Description		Number	Type	Recovery	PID Measurement (PPM) 20 40 60	Lab Analysis
0-		Ground Surface					70.0	0-1' bas
-		Sand 5 YR 5/6, yellowish red quartz sand, very fil grained, poorty sorted, loose.	ne	1			/6.0	TPH: 1341mg/kg BTEX: <0.125 mg/kg Chlorides: 337mg/kg
5-	HHH	Silty Clay 10 YR 2/1, black, very fine grained, very poorly sorted, hydrocarbon stained, soft, no plastic clay.)n-	2			14.3	5-6' bgs Chlorides: 35.4 mg/kg
- 10-	HHH			3			25.3	10-11' bgs Chlorides: 35.4 mg/kg
15-		Silty Clay 5 YR 6/6, reddish yellow, very fine grained, well sorted, soft, non-plastic, hydrocarbon stained. Caliche 5 YR 7/2, pinkish gray quartz sand, very poorty sorted indurated		4			37.8	15-16' bgs TPH: <20 mg/kg Chlorides: 177 mg/kg
20-		Sand		5			0.1	20-21' bgs Chlorides: 461 mg/kg
25-	-	5 YR 7/4, pink quartz sand, very fine grain moderately well sorted, loose.	ed,	6			0.2	25-26' bgs TPH: <20 mg/kg Chlorides: 253 mg/kg
30· 35·								

APPENDIX C

LABORATORY DATA AND CHAIN-OF-CUSTODY DOCUMENTATION

507 North Marienfeld, Suite 202 ♦ Midland, Texas 79701 ♦ Ph. (432) 687-0901 ♦ Fax (432) 687-0456

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

<u>Certificates</u> 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#:G0204237Project:0-0100-26Project Name:Dynegy/ Site No. 26Location: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.

				Date / Time	Date / Time		
<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>		Collected	Received	Container	Preservative
0204237-01	BH-1 (0-1')	SOIL		8/13/02 13:50	8/15/02 16:10	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Ten	np: 1.0 C		
	8015M						
	8021B/5030 BTEX						
	Chloride						
0204237-02	BH-1 (5-6')	SOIL		8/13/02	8/15/02	4 oz glass	Ice
τ	1 T	Defected	No	14:00	16:10		
	<u>b Testing:</u>	Rejected:	INU	Ten	np: 1.0 C.		
	Chloride	·					
0204237-03	BH-1 (10-11')	SOIL		8/13/02	8/15/02	4 oz glass	Ice
				14:10	16:10		
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Ten	np: 1.0 C		
	8015M						
	Chloride	······					
0204237-04	BH-1 (15-16')	SOIL		8/13/02	8/15/02	4 oz glass	Ice
				14:18	16:10		
<u>La</u>	ib Testing:	Rejected:	No	Ter	np: 1.0 C		
	Chloride						
0204237-05	BH-1 (20-21')	SOIL		8/13/02	8/15/02	4 oz glass	Ice
				14:26	16:10	_	
La	<u>ıb Testing:</u>	Rejected:	No	Ter	np: 1.0 C		
	Chloride			·····			
0204237-06	BH-1 (25-26')	SOIL		8/13/02	8/15/02	4 oz glass	Ice
				14:38	16:10		
<u>La</u>	<u>ab Testing:</u>	Rejected:	No	Те	mp: 1.0 C		
	8015M				•		
	Chloride						
0204237-07	BH-2 (0-1')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
-				8:40	16:10		
<u>La</u>	<u>ab Testing:</u>	Rejected:	No	Te	mp: 1.0 C		
	8015M						
	8021B/5030 BTEX						

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 915-687-0456 Order#:G0204237Project:0-0100-26Project Name:Dynegy/ Site No. 26Location: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.

				Date / Time	Date / Time		
<u>Lab ID:</u>	<u>Sample :</u> Chloride	<u>Matrix:</u>		Collected	Received	Container	Preservative
0204237-08	BH-2 (5-6')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
0204257-00				8:50	16:10	·	
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride						
0204237-09	BH-2 (10-11')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				9:00	16:10		
La	<u>b Testing:</u>	Rejected:	No	Tem	ip: 1.0 C		
	Chloride						
0204237-10	BH-2 (15-16')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				9:07	16:10		
La	<u>b Testing:</u>	Rejected:	No	Теп	ւթ: 1.0 C		
	8015M						
	Chloride						
0204237-11	BH-2 (20-21')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				9:15	16:10		
<u>La</u>	ib Testing:	Rejected:	No	Ten	ър: 1.0 C		
	Chloride			· · · · · · · · · · · · · · · · · ·	· - · · · · · · · · · · · · · · · · · ·		
0204237-12	BH-2 (25-26')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				9:30	16:10		
La	ib Testing:	Rejected:	No	Ten	ар: 1.0 C		
	8015M						
. 	Chloride						
0204237-13	Composite	SOIL		8/14/02	8/15/02	4 oz glass	Ice
_		_		16:45	16:10		
<u>La</u>	<u>ab Testing:</u>	Rejected:	No	Ten	np: 1.0 C		
	8015M						
	8021B/5030 BTEX						

ANALYTICAL REPORT

Cindy Crain LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G02042 0-0100- : Dyneg None G	237 26 y/ Site No. 26 liven		
Lab ID:	0204237-01							
Sample ID:	BH-1 (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	СК	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

Method Blank	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002917-02		8/20/02	1	25	СК	8021B
		16:51				

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

ANALYTICAL REPORT

Cindy Crain LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710			Order#: Project: Project Nar Location:		G0204237 0-0100-26 e: Dynegy/ Site No. 26 None Given		
Lab ID: Sample ID:	0204237-03 BH-1 (10-11')						
				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	СК	8015M
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		<10.0	, , , , , , , , , , , , , , , , , , , ,	10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
Lab ID: Sample ID:	0204237-06 BH-1 (25-26') Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 8/19/02	<i>8015M</i> Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> CK	<u>Method</u> 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

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

Page 2 of 5

ANALYTICAL REPORT

Cindy Crain LARSON AND ASSO P.O. BOX 50685 MIDLAND, TX 797	DCIATES, INC. 10			Order#: Project: Project Name Location:	G0204 0-010 : Dyne None	4237 0-26 gy/ Site No. 26 Given	
Lab ID: Sample ID:	0204237-07 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	СК	8015M
		Parameter	<u></u>	Result mg/kg		RL	
		GRO, C6-C12		101		10.0	
		DRO, >C12-C35		1,240		10.0	
		TOTAL, C6-C35		1,341		10.0	
	Method	Date	8021B Date	8/5030 BTEX Sample	Dilution		
	Blank	Prepared	Analyzed 8/20/02	Amount	Factor 25	<u>Analyst</u> CK	Method 8021B
	0002917-02	2	17:13	I	23	CK	00210
		Parameter		Result mg/kg		RL	
		Benzene		<0.025	i	0.025	
		Ethylbenzene		<0.025	5	0.025	
		Toluene		<0.025	5	0.025	
		p/m-Xylene		<0.025	5	0.025	
		o-Xylene		<0.025	5	0.025	
		Surroga	tes	% Recovered	OC Lim	uits (%)	
		aaa-Toluen	· · · · · · · · · · · · · · · · · · ·	97%	73	115	

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

Bromofluorobenzene

ENVIRONMENTAL LAB OF TEXAS I, LTD.

72

110

116%

ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

Cindy Crain LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Nam Location:	Order#:G0204237Project:0-0100-26Project Name:Dynegy/ Site No. 26Location:None Given		
Lab ID: Sample ID:	0204237-10 BH-2 (15-16')						
·				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 8/19/02	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> CK	<u>Method</u> 8015M
		Parameter		Resu mg/kg	t s	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
Lab ID: Sample ID:	0204237-12 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	СК	8015M
		Parameter		Resu mg/k	lt g	RL	
		GRO, C6-C12		<10.)	10.0	

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

DRO, >C12-C35

TOTAL, C6-C35

ENVIRONMENTAL LAB OF TEXAS I, LTD.

10.0

10.0

<10.0

<10.0

ANALYTICAL REPORT

Cindy Crain LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name: Location:	G0204 0-0104 : Dyne None	4237 0-26 gy/ Site No. 26 Given		
Lab ID: Sample ID:	0204237-13 Composite							
Sample ID.	Composite			001515	•			
	N (1 1		D (8015M				
	Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method	
	Dialik	Toparta	8/20/02	1	1	СК	8015M	
		Parameter		Result		RL		
				mg/kg				
		GRO, C6-C12		453		10.0		
		DRO, > C12-C35		6,360		10.0		
		101AL, CO-C35		0,813		10.0		
	Mathad	Dete	8021E	8/5030 BTEX				
	Blank	Prepared	Analyzed	Amount	Dilution Factor	Analyst	Method	
	0002917-02		8/21/02 14:47		25	СК	8021B	
		Parameter		Result mg/kg	Result RL mg/kg			
		Benzene		<0.025	;	0.025		
		Ethylbenzene		0.251	0.251 0.025			
		Toluene		0.157		0.025		
		p/m-Xylene	/m-Xylene			0.025		
		o-Xylene		1.08	1.08 0.025			
		Surroga	tes	% Recovered	% Recovered QC Lim			
		aaa-Toluene)	136%	73	115		
		Bromofluoro	benzene	109%	72	110	1	1
						1 /1 5		

Approval: <u>UMA</u>, <u>MAN</u> 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

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West 1-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

Lab ID: 0204237-01 Sample ID: BH-1 (0-1') Test Parameter Result Units Factor RL Method Analyzed A Chloride 1380 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-02 Sample ID: BH-1 (5-6') Date Analyzed A Chloride 10: BH-1 (5-6') Factor RL Method Analyzed A Chloride 354 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-03 Sample ID: BH-1 (10-11') Date Analyzed A Test Parameters Result Units Factor RL Method Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-04 Sample ID: B1-1 (15-16') Factor RL Method Analyzed A Chloride 35.2 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-45 Sample ID: B1-1 (120-21') Test Parameter Method Analyzed A Chloride 207 <td< th=""><th>Cindy Crain LARSON AND P.O. BOX 5068 MIDLAND, TX</th><th>ASSOCIATES, INC. 5 X 79710</th><th></th><th>Order# Project Project Locatio</th><th>t: :: t Name: on:</th><th>G0204237 0-0100-26 Dynegy/ Site None Given</th><th>No. 26</th><th></th><th></th></td<>	Cindy Crain LARSON AND P.O. BOX 5068 MIDLAND, TX	ASSOCIATES, INC. 5 X 79710		Order# Project Project Locatio	t: :: t Name: on:	G0204237 0-0100-26 Dynegy/ Site None Given	No. 26		
Test Parameters Dilution Date Analyzed A Chloride 1380 mg/kg 1 20.0 9253 \$1/102 \$1/102 Lab ID: 0204237-02 Sample ID: BH-1 (5-6') Dilution Date Analyzed A Chloride 354 mg/kg 1 20.0 9253 \$1/102 A Lab ID: 0204237-02 Sample ID: BH-1 (5-6') Dilution Date Analyzed A Chloride 354 mg/kg 1 20.0 9253 \$1/102 A Lab ID: 0204237-03 Sample ID: BH-1 (10-11') Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 \$1/102 A Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Test Parameters Result Units Factor RL Method Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 \$1/102 A Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Test Parameter A	Lab ID: Sample ID:	0204237-01 BH-1 (0-1')							
Parameter Result Units Pactor RL Method Analyzed A Chloride 1380 mg/kg 1 20.0 9233 8/17/02 Lab ID: 0204237-02 Sample ID: BH-1 (5-6') Dilution Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Chloride 354 mg/kg 1 20.0 9233 8/17/02 A Lab ID: 0204237-03 Sample ID: BH-1 (10-11') Date Analyzed A Test Parameters Dilution Date Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Date Analyzed A Test Parameters Dilution Factor RL Method Analyzed A Lab ID: 0204237-04 Sample ID: BH-1 (20-21') Test Parameter Date Analyzed A Lab ID: 0204	Test Paran	neters			Dilution	1		Date	
Lab ID: 0204237-02 Sample ID: BH-1 (5-6') Test Parameters Parameters Parameter Chloride Ch	Chloride		<u>Result</u> 1380	<u>Units</u> mg/kg	<u>Factor</u> 1	20.0	<u>Method</u> 9253	Analyzed 8/17/02	<u>Analyst</u> SB
Test Parameters Dilution RL Method Analyzed A Parameter 0204237-03 Sample ID: 0204237-03 Sample ID: 011010 Date Analyzed A Parameters 0204237-03 Sample ID: 0110110 Dilution Date Analyzed A Parameters Result Units Factor RL Method Date Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Dilution Date Analyzed A Parameters Result Units Factor RL Method Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Lab ID: 0204237-06 Sampl	Lab ID: Sample ID:	0204237-02 BH-1 (5-6')				<u> </u>			
Chloride 354 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-03 Sample ID: BH-1 (10-11') Date Date Test Parameters Dilution Factor RL Method Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Date Analyzed A Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Date Date Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Date Analyzed A Test Parameter Result Units Factor RL Method Analyzed A Chloride 207 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Date Analyzed A Test Parameter Result Units <	<i>Test Paran</i> Parameter	meters	Result	Units	Dilution Factor	n · RL	Method	Date Analyzed	Analyst
Lab ID: 0204237-03 Sample ID: BH-1 (10-11') Test Parameters Dilution Factor RL Method Analyzed A Chloride 0204237-04 Sample ID: 0204237-04 Sample ID: Dilution Date Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Dilution Date Test Parameter Result Units Factor RL Method Analyzed A Chloride 33.2 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Chloride 207 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Dilution Factor RL Method Analyzed A Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Dilution Factor RL	Chloride		354	mg/kg	1	20.0	9253	8/17/02	SB
Test Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed A Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Dilution Date Test Parameters Dilution Factor RL Method Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Chloride 207 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Dilution Date Analyzed A Test Parameter Result Units Factor RL Method Analyzed A Lab ID:<	Lab ID: Sample ID:	0204237-03 BH-1 (10-11')							
Chloride 35.4 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Date Analyzed A Test Parameters Result Units Factor RL Method Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Analyzed A Parameter Result Units Factor RL Method Analyzed A Chloride 0204237-05 Sample ID: BH-1 (20-21') Date Analyzed A Test Parameter Result Units Factor RL Method Analyzed A Chloride 207 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Dilution Date Analyzed A Chloride 70.9 mg/kg 1 20.0 9253 8/17/02	Test Paran Parameter	meters	<u>Result</u>	Units	Dilution <u>Factor</u>	n <u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Lab ID: 0204237-04 Sample ID: BH-1 (15-16') Test Parameters Dilution Factor RL Method Analyzed A Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 A Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Analyzed A Test Parameter Result Units Factor RL Method Analyzed A Chloride 0204237-05 BH-1 (20-21') Dilution Date Date Parameter Result Units Factor RL Method Analyzed A Chloride 0204237-06 Sample ID: BH-1 (25-26') Dilution Date Analyzed A Test Parameters Dilution Eactor RL Method Analyzed A Chloride 0204237-06 BH-1 (25-26') Dilution Date Date Analyzed A Chloride 70.9 mg/kg 1 20.0 9253 8/17/02 A <td>Chloride</td> <td></td> <td>35.4</td> <td>mg/kg</td> <td>1</td> <td>20.0</td> <td>9253</td> <td>8/17/02</td> <td>SB</td>	Chloride		35.4	mg/kg	1	20.0	9253	8/17/02	SB
Test Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed	Lab ID: Sample ID:	0204237-04 BH-1 (15-16')							
Chloride 53.2 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Dilution Date Test Parameters Dilution Dilution Date Parameter Result Units Factor RL Method Analyzed Analyzed Chloride 207 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Dilution Date Test Parameters Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed Analyzed Chloride 70.9 mg/kg 1 20.0 9253 8/17/02	<i>Test Parameters</i> Parameter		Result	Units	Dilution <u>Factor</u>	n <u>r RL</u>	Method	Date Analyzed	<u>Analyst</u>
Lab ID: 0204237-05 Sample ID: BH-1 (20-21') Test Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed	Chloride		53.2	mg/kg	1	20.0	9253	8/17/02	SB
Test Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed	Lab ID: Sample ID:	0204237-05 BH-1 (20-21')							
Chloride 207 mg/kg 1 20.0 9253 8/17/02 Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Test Parameters Dilution Date Parameter Result Units Factor RL Method Analyzed Analyzed Chloride 70.9 mg/kg 1 20.0 9253 8/17/02	Test Paran Parameter	meters	<u>Result</u>	<u>Units</u>	Dilutio <u>Facto</u>	n <u>r RL</u>	Method	Date Analyzed	<u>Analyst</u>
Lab ID: 0204237-06 Sample ID: BH-1 (25-26') Test Parameters Dilution Date <u>Parameter RL Method Analyzed 4</u> Chloride 70.9 mg/kg 1 20.0 9253 8/17/02	Chloride		207	mg/kg	1	20.0	9253	8/17/02	SB
Test ParametersDilutionDateParameterResultUnitsFactorRLMethodAnalyzedChloride70.9mg/kg120.092538/17/02	Lab ID: Sample ID:	0204237-06 BH-1 (25-26')							
Chloride 70.9 mg/kg 1 20.0 9253 8/17/02	Test Para Parameter	meters	<u>Result</u>	<u>Units</u>	Dilutio <u>Facto</u>	n <u>r RL</u>	Method	Date <u>Analyzed</u>	Analyst
	Chloride		70.9	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit N/A = Not Applicable

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ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

Cindy Crain LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710		· · · · · · · · · · · · · · · · · · ·	Order#: Project: Project Name: Location:		G0204237 0-0100-26 Dynegy/ Site None Given	No. 26		
Lab ID: Sample ID:	0204237-07 BH-2 (0-1')			<u> </u>				
Test Paran	neters				_		Data	
Parameter		Result	Units	Factor	n r RL	Method	Analyzed	Analyst
Chloride		337	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID:	0204237-08							
Sample ID:	BH-2 (5-6')							
Test Paran Parameter	neters	Result	Units	Dilution Factor	n r RL	Method	Date Analyzed	Analyst
Chloride		35.4	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID:	0204237-09							
Sample ID:	BH-2 (10-11')							
<i>Test Parameters</i> Parameter		Result	Units	Dilution Factor	n r RL	Method	Date Analyzed	Analyst
Chloride		35.4	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID:	0204237-10 BU 2 (15 16)							
Sample ID:	BH-2 (13-10)							
Test Parameters			.	Dilutio	n		Date	
Chloride		<u>Kesun</u> 177	mg/kg	<u>racto</u> 1	<u>r kl</u> 20.0	9253	<u>Analyzed</u> 8/17/02	<u>Analyst</u> SB
Lab ID:	0204237-11		<u>-</u>					<u>.</u>
Sample ID:	BH-2 (20-21')							
Test Parameters		Result	Units	Dilutio Facto	n r RL	Method	Date Analyzed	Analyst
Chloride		461	mg/kg	.1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204237-12 BH-2 (25-26')							
Test Para	meters			Dilutio	'n		Date	
Parameter		Result	Units	Facto	<u>r RL</u>	Method	Analyzed	<u>Analyst</u>
Chloride		253	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD.
Cindy Crain LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 Order#:G0204237Project:0-0100-26Project Name:Dynegy/Site No. 26Location:None Given

alandk Jours 8-22-02 Approval: 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.

RL = Reporting Limit N/A = Not Applicable

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8015M

BLANK 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	<u> </u>		<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002914-03		2000	2450	122.5%	
CONTROL DUP	LAB-ID #	Sampl e Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0002914-04		2000	2410	120.5%	1.6%
MS 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%	
MSD 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%
SRM 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.%	

8021B/5030 BTEX

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0002917-02	·		<0.025		<u></u>
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	<u>_</u>	0002917-02			<0.025		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg		0204271-04	0	0.1	0.103	103.%	
Ethylbenzene-mg/kg	<u> </u>	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.%	- <u>-</u>
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
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%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
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.%	

Test Parameters

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

CLIENT NAME				SITE	MAMAGER: 1			ARAN	LETERS/MET	HOD NUMBER	CHAIN-	-OFCUSTODY RECORD
Uyne	94			-	Cindy Crain							ä
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PAGE /	Ъ			AB. PO #			18 ,	108	2/2!.		507 N. Mar	ienfeld, Ste. 202 • Midland, TX 79701
-11/1 -1/1/2		d'an	100	SAN SAN	APLE IDENTIFICATION		XIL8	Hdl	2014D		Lab. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/13/02 1.	350	+	1	B	(1-0) 1.11		/	1	7		6204237 - 01	
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" 0	930		7	84	4.2 (25-26')	-		7	7		1	
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SAMPLEDAB	Y: (Signat			$\frac{1}{1}$	DATE: 8/5/02 RELINI TIME: 1:53	QUISHED BY	: (Sign	ature)		DATE:	Received BY: (Sigr	nature) DATE:
DEI INOI 118		ional	Irel		DATE: 8/15/02 RECEN	VED BY: (Sigi	nature)			DATE	SAMPLE SHIPPED	BY: (Circle)
INTELLIGION OF					TIME: //e/O)				TIME:	FEDEX	BUS AIRBILL #:
COMMENT		Ż	5						TURNAROUN	IN TIME NEEDED	HAND DELIVERED	UPS OTHER:
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RECEIVING ADDRESS:	LABORAT	Я К	ŚÅ	Lab 7-2(entexas o e		/ED BY	(Signal	hure) 1 cmuni	ł	LA AFT PINK - PROJE	ER RECEIPT) CT MANAGER
	tessa			¥¥ ∐	DNE: 563-1800		1-2	2-03	TIME: /	010	GOLD - UA/U	L COORDINALOR
SAMPLE CONC	NTION WHE	N RECEI	U KE	1. 0	ر در	ΓP	CONTA	CT PER	SON:		SAMPLE TYPE:	

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

<u>Certificates</u> US EPA Laboratory Code TX00158

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 915-687-0456 Order#:G0306680Project:0-0100-45Project Name:Site #45Location: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.

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

G0306680	G030668	Order#:	1	CINDY CRAIN
0-0100-45	0-0100-4	Project:	ASSOCIATES, INC.	LARSON AND
Site #45	Site #45	Project Name:	5	P.O. BOX 5068
None Given	None Gi	Location:	K 79710	MIDLAND, TY
			0206690.01	Lab ID:
			0306680-01	Lab ID:

Sample ID:

WW-1

		8021E	8/5030 BTEX	K		
Method <u>Blank</u> 0005801-02	Date <u>Prepared</u>	Date <u>Analyzed</u> 6/11/03 12:29	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> CK	Method 8021B
	Parameter		Resu mg/	ılt L	RL	
	Benzene		<0.0	01	0.001	
	Toluene		<0.0	01	0.001	
	Ethylbenzene		<0.0	01	0.001	

< 0.001

< 0.001

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

une OG/12/03 fficer Date 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.

0.001

0.001

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

p/m-Xylene o-Xylene

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710		Order# Project Project Locatio	: G : 0- Name: Si n: N	0306680 0100-45 te #45 one Given			
Lab ID: 0306680-01 Sample ID: WW-1							
Anions Parameter	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>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			Dilution			Date	
Parameter	Result	Units	<u>Factor</u>	<u>RL</u>	Method	Analyzed	<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	.		Dilution	BY		Date	
Parameter	Result	<u>Units</u>	<u>Factor</u>	<u>RL</u>	Method	Analyzed	<u>Analyst</u>
Total Dissolved Solids (TDS)	70	mg/L	1	5.0	160.1	6/9/03	SB

06/12/03 line Approval: 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.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX

BLANK w	ATER	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		<u> </u>
p/m-Xylene-mg/L		0005801-02		-	<0.001		
o-Xylene-mg/L		0005801-02			<0.001		
CONTROL w	ATER	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.%	
CONTROL DUP	ATER	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%
SRM w	ATER	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.%	

Anions

BLANK 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		
DUPLICATE 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.%
MS water	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/L	0306680-01	19.5	100	119	99.5%	
MSD 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%
SRM 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%	

Cations

BLANK	WATER	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Calcium-mg/L	A <u>nne ná sao sao sao sao s</u> ao sao sao sao sao sao sao sao sao sao s	0005786-02			<0.010		
Magnesium-mg/L	·	0005786-02	<u>.</u>		<0.001		
Potassium-mg/L		0005786-02			<0.050		
Sodium-mg/L		0005786-02			<0.010		
DUPLICATE	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%
SRM	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%	

Test Parameters

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

CLIENT NAME:	SITE MANAGER:	PARAMETERS/METHOD NUMBER	CHAIN-OF-CUSTODY RECORD
DINERY PROJECT NO.: D-DIDD - 45	PROJECT NAME: Sit # 45	U LEVERS	A arson & Lax: 915-687-0456 Environmental Consultants 915-687-0901
PAGE / OF / LAB.	PO # 0 306680	2 2 5 7 8 8 8 8 8 9 0 8 0 8	507 N. Marienfeld, Ste. 202 • Midland, TX 79701
21100 1105 2011 31111 2170	SAMPLE IDENTIFICATION	CL a org g g g L g N n week c	LAB. I.D. REMARKS NUMBER II.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, (LAB USE ONLY) CRAB COMPOSITE)
4/5/b3 1150 V	WW-1	<u> </u>	
Semples BY: (Signature)	DATE: 6/5/03 REFINAUISHE	EDBY: (Signature) SIM DATE: 10/0/1	ACEIVED BY: (Signature) DATE: DATE: DATE:
RELINIQUENTED BY: (Signature).	DATE 6/2/03 RECEIVED BY:	(Signature) DATE:	SAMPLE SHIPPED BY: (Circle)
and Ana	TIME: /650	TIME:	FEDEX BUS AIRBILL #:
COMMENUS:			
RECEIVING LABORATORY:	SR ST	ECEIVED BY: (Signature)	YELLOW - RECEIVING LAB (TO BE RETURNED TO LA AFTER RECEIPT)
ADDRESS: CITY:	STATE: ZIP: D)ATE:TIME:	PINK - PRUJECI IVIANAGEK GOLD - QA/QC COORDINATOR
CONTACL: SAMPLE CONDITION WHEN RECEIVED:		LA CONTAGT PERSON:	sample TYPE: Marker 0.0 °C

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

<u>Certificates</u> 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#:G0306694Project:0-0100-26Project Name:Dynegy/ Site #26Location: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.

			Date / Time	Date / Time		
<u>Lab ID:</u>	Sample :	Matrix:	Collected	Received	<u>Container</u>	Preservative
0306694-01	SS-1	SOIL	6/10/03 9:25	6/10/03 14:30	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected: No	Tem	p: 4.0 C		
	8015M					
	Chloride					
0306694-02	SS-4	SOIL	6/10/03 9:30	6/10/03 14:30	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected: No	Tem	p: 4.0 C		
	8015M					
	Chloride					
0306694-03	SS-5	SOIL	6/10/03 9:32	6/10/03 14:30	4 oz glass	Ice
La	b Testing:	Rejected: No	Tem	ap: 4.0 C		
	8015M					
	Chloride					
0306694-04	SS-6	SOIL	6/10/03 9:34	6/10/03 14:30	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected: No	Tem	ip: 4.0 C		
	8015M					
	Chloride					
0306694-05	SS-7	SOIL	6/10/03 9:36	6/10/03 14:30	4 oz glass	Ice
La	<u>ıb Testing:</u>	Rejected: No	Ten	1 p: 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>La</u>	<u>ıb Testing:</u>	Rejected: No	Ten	np: 4.0 C		
	8015M					
	Chloride					

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, 79710	INC.			Order#: Project: Project Name: Location:	G03 0-01 : Dyn Non	06694 00-26 egy/ Site #26 e Given		
Lab ID: Sample ID:	0306694-0 SS-1	1							
					8015M				
	М <u>В</u>	ethod <u>lank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 6/11/03	Sample <u>Amount</u> 1	Dilutio <u>Factor</u> 1	n <u>Analyst</u> WL	<u>Method</u> 8015M	
			Parameter		Result mg/kg		RL		
		G	RO, C6-C12		158		10.0		
		D	RO, >C12-C35		2,540		10.0		
		Τ	OTAL, C6-C35		2,698		10.0		
			Surroga	ates	% Recovered	QC Li	mits (%)		
			1-Chlorooct	tane	104%	70	130		
			1-Chlorooct	tadecane	132%	70	130		

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

			8015M			
Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
		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 Li	mits (%)
1-Chlorooctane	101%	70	130
1-Chlorooctadecane	97%	70	130

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

...

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Nam Location:	G030 0-010 e: Dyneg None	6694 0-26 gy/ Site #26 Given	
Lab ID:	0306694-03						
Sample ID:	SS-5						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	<u>Analyst</u>	Method
			6/11/03	1	1	WL	8015M
		Parameter	<u>.</u> <u>-</u>	Resul	lt	RL	
		CD0 0(012		mg/kg	<u> </u>	10.0	
		ORO, CO-C12		20.2	·	10.0	
		DRO, 2012-035		626		10.0	
		Surrog 1-Chlorooc 1-Chlorooc	ates tane tadecane	% Recovered 91% 103%	QC Lim 70 70	its (%) 130 130	
Lab ID: Sample ID:	0306694-04 SS-6			001516			
	Method	Data	Data	Sample	Dilution		
	Blank	Prepared	Analyzed	<u>Amount</u>	Factor	Analyst	Method
			6/11/03	1	1	WL	8015M
		Parameter		Resu mg/k	lt	RL	
		GRO, C6-C12		<10.)	10.0	
		DRO, >C12-C35		492		10.0	
		TOTAL, C6-C35	5	492		10.0	

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

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

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

CINDY CRAIN ARSON AND A O. BOX 50685 AIDLAND, TX	ASSOCIATES, INC. 79710			(]]]	Drder#: Project: Project Name Location:	G03 0-01 : Dyn Non	06694 100-26 negy/Site #26 ne Given	
Lab ID: Sample ID:	0306694-05 SS-7							
				8015	5M			
	Method	Date	Date	5	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	A	mount	Factor	<u>Analyst</u>	Method
			6/11/03		1	1	WL	8015M
		Parameter		<u> </u>	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	
		Surrogat	es	%	Recovered	QC Li	mits (%)	
		1-Chloroocta	ine		107%	70	130	
		1-Chloroocta	idecane		114%	70	130	
Lab ID: Sample ID:	0306694-06 SS-8			801:	5M			
	Method	Date	Date	8	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	A	mount	Facto	<u>Analyst</u>	Method
			6/11/03		1	1	WL	8015M
		Parameter			Result mg/kg	t	RL	
		GRO, C6-C12			14.4		10.0	
		DRO, >C12-C35			1,940		10.0	
							10.0	
		TOTAL, C6-C35			1,954		10.0	
		TOTAL, C6-C35	tes	%	Recovered	QC Li	mits (%)	
		TOTAL, C6-C35 Surroga 1-Chloroocta	tes	%	1,954 Recovered 111%	QC LI 70	mits (%)	

Approval: <u>Raland K July</u> 6-11-03 Raland K. Tuttle, Lab Director, QA Officer 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.

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

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

Lab ID: 0			Project Locatio	t: t Name: on:	0-0100-26 Dynegy/ Site None Given	#26		
Sample ID: S	306694-01 S-1							
Test Paramete	ers			Dilutio	n		Date	
Parameter		Result	Units	Facto	<u>r RL</u>	Method	Analyzed	<u>Analyst</u>
Chloride		1490	mg/kg	1	20	9253	6/11/03	SB
Lab ID: 0	1306694-02							
Sample ID: S	SS-4							
Test Parameter	ers	Result	Units	Dilutio Factor	n r RI.	Method	Date Analyzed	Analyst
Chloride		319	mg/kg	1	20	9253	6/11/03	SB
Lab ID: 0)306694-03							
Sample ID: S	SS-5							
Test Paramete Parameter	ers	Result	Units	Dilutio Facto	n r RL	Method	Date Analyzed	Analyst
Chloride		177	mg/kg	1	20	9253	6/11/03	SB
Lab ID: (Sample ID: 5								/ ·/ ·
Test Parameter	ers	Posult	Linite	Dilutio Facto	n - DI	Mathad	Date Analyzed	Analyst
Chloride		248	mg/kg	1	20	9253	6/11/03	SB
Lab ID:	 D306694-05							
Sample ID:	SS-7							
Test Parameter	ers	Result	Units	Dilutio Facto	n r RL	Method	Date Analyzed	Analyst
Chloride	·····	248	mg/kg	1	20	9253	6/11/03	SB
Lab ID: Sample ID:	0306694-06 SS-8							
Test Parameter	ers	Decul4	Tin:40	Dilutio	ח ד סד	Mathad	Date	Analyst
Chloride		<u>Result</u> 1310	mg/kg	<u>racto</u> 1	<u>1 KL</u> 20	9253	6/11/03	<u>Anaryst</u> SB

RL = Reporting Limit N/A = Not Applicable

Page 1 of 2

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 Order#:G0306694Project:0-0100-26Project Name:Dynegy/ Site #26Location:None Given

Approval: Kaland K.J.S. Raland K. Tuttle, Lab Director, QA Officer eli-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.

RL = Reporting Limit N/A = Not Applicable

8015M

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

Test Parameters

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

LAB ID	MATRIX	Date Collected	Date Received
0306694-01	SOIL	06/10/2003	06/10/2003
0306694-02	SOIL	06/10/2003	06/10/2003
0306694-03	SOIL	06/10/2003	06/10/2003
0306694-04	SOIL	06/10/2003	06/10/2003
0306694-05	SOIL	06/10/2003	06/10/2003
0306694-06	SOIL	06/10/2003	06/10/2003
	LAB ID 0306694-01 0306694-02 0306694-03 0306694-04 0306694-05 0306694-06	LAB ID MATRIX 0306694-01 SOIL 0306694-02 SOIL 0306694-03 SOIL 0306694-04 SOIL 0306694-05 SOIL 0306694-06 SOIL	LAB IDMATRIXDate Collected0306694-01SOIL06/10/20030306694-02SOIL06/10/20030306694-03SOIL06/10/20030306694-04SOIL06/10/20030306694-05SOIL06/10/20030306694-06SOIL06/10/2003

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 Just Environmental Lab of Texas I, Ltd.

Date: 6-11-03

CLIENT NAME:				SITE MANAGER:			ARAMET	ERS/METH	NN QOF	IMBER	CHAIN-	-OF-CUSTODY F	RECORD
Dynegy				Cindy Crais	S							a a	
PROJECT NO.: "	22			project name: Site #26		WSI	ðĮ					ictics, Inc. Fax: 915-687 ental Consultants 915-687	-0456 -0901
PAGE / OF	-		LAB. PC	#0	DF CO	08	براج				507 N. Mar	ienfeld, Ste. 202 • Midland,	TX 79701
3W11 3140	ATTER	105	OTHER	SAMPLE IDENTIFICATION	NUMBER (Hdl	147				Lab. I.D. NUMBER (Lab USE ONLY)	REMARKS (I.E., FILTERED, UNFILTER PRESERVED, UNPRESERV GRAB COMPOSITE)	ED,
4/10/03 0925		7		55-1		7	7				0300004-01		
" 0530		7		55-4	~	7	1				1 02		
" 0932		1		55.5 5	\	7	7				03		
" 0934		7		55-6		7	<u>)</u>				ठ		
4 0936		7		55-7	<u> </u>	7	7				58		
1 0927		7		55- 8	<u> </u>	7	1				+ 00		
					A								
			†										
					_								
SAMPLED BY ISIGN	athle		_	DATE: 6/10/03 RELINO	JISHED BY	: (Sign(ature)		DATE: TIME:		Received BY: (Sigr	Tin DA	TE: AE:
RELINGHISLIFER BY	(Siana)	je je		DATE: 6/10/03 RECEIVE	D BY: (Sigr	ature)			DATE		SAMPLE SHIPPED	BY: (Circle)	
				TIME-1430					TIME:		FEDEX	BUS AIRBILL #:	
COMMENTS:			\mathbb{R}	USH!!			<u>۲</u>	IRNAROUNI	STAFF NE	EDED C	WHITE - RECEIV	ING LAB	
	VTORY.			CHOF X	RECEIV	ED BY:	(Signature)				Tellow - Receiv La AFT	TER RECEIPT)	
ADDRESS:				STATE: ZIP:	DATE(26-16	e me	TIME: 14	Ŕ		PINK - PROJE GOLD - QA/Q(CT MANAGER C COORDINATOR	
CONTACT: SAMPLE CONDITION WH	IEN RECE	IVED:	-	PHDINE:	IA	CONTA	CT PERSON				SAMPLE TYPE:		
			Ť	00		2	L'	517			ŧ	110-	

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ANALYTICAL REPORT

Prepared for:

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

Project: Dynegy/ Site #26 **PO#:** G0306929 Order#:

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.

I ah ID:	Sample .	Motrix	Date / Tim Collected	ie D	Date / Time	Containar	Drocarvativa
<u>Lab 1D.</u> 0306929-01	SS-9	SOIL	7/9/03 8:46	<u>. </u>	7/9/03 17:03	4 oz glass	Ice
<u>La</u>	a <u>b Testing:</u> 8015M 8021B/5030 BTEX	Rejected: N	νo	Temp:	4.5 C		
0306929-02	SS-10	SOIL	7/9/03 9:00	·	7/9/03 17:03	4 oz glass	Ice
<u>La</u>	<u>ab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: N	No	Temp:	4.5 C		
0306929-03	SS-11	SOIL	7/9/03 9:15		7/9/03 17:03	4 oz glass	Ice
<u>La</u>	<u>ab Testing:</u> 8015M 8021B/5030 BTEX	Rejected: 1	No	Temp:	4.5 C		

JOHN STEWAR LARSON AND A P.O. BOX 50685 MIDLAND, TX	RT ASSOCIATES, INC. ; 79710			Order#: Project: Project Name Location:	G030 e: Dyne None	96929 gy/ Site #26 Given	
Lab ID: Sample ID:	0306929-01 SS-9						
				8015M			
	Method	Date	Date	Sample	Dilution	l	
	Blank	Prepared	Analyzed	Amount	Factor	<u>Analyst</u>	Method
			7/10/03 12:16	1	1	RKT	8015M
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		1,780)	10.0	
		DRO, >C12-C35	5	3,020	,	10.0	
		TOTAL, C6-C3	5	4,800		10.0	
		······································					
		Surrog	ates	% Recovered	QC Lin	nits (%)	
		1-Chlorooc	tane	129%	70	130	
		1-01101000				130	
	Mathod	Data	80211 Data	S/SUSU BIEX			
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
	0006142-02	2	7/10/03 19:30	1	200	СК	8021B
		Parameter	, -, -,	Resul mg/kg	t s	RL	
		Benzene		12.4		0.200	1
		Toluene		62.7		0.200]
		Ethylbenzene		44.1		0.200	
		p/m-Xylene		70.5		0.200	
		o-Xylene		25.0		0.200]
		Surrog	gates	% Recovered	QC Lin	nits (%)	

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

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

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ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

JOHN STEWAR LARSON AND A P.O. BOX 50685 MIDLAND, TX	RT ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G03 : Dyn Non	06929 egy/ Site i e Given	¥26		
Lab ID: Sample ID:	0306929-02 SS-10								
			8	8015M					
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 7/10/03 12:16	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	n <u>An</u> z RI	ilyst KT	<u>Method</u> 8015M	
		Parameter		Result mg/kg		RL			
		GRO, C6-C12		83.3		10.0			
		DRO, >C12-C3	5	328		10.0			
		TOTAL, C6-C3	5	411.3		10.0			
		Surrog	gates	% Recovered	QC Lir	nits (%)			
		1-Chloroo	ctane	126%	70	130			
		1-Chloroo	ctadecane	123%	70	130			
			8021B	/5030 BTEX					
	Method	Date Prepared	Date A polygod	Sample	Dilutio	n An		Mathad	
	<u>Blank</u> 0006142-02	ricpareu	7/10/03 16:15	<u>Amount</u> 1	<u>Factor</u> 25	<u>Au</u>	X K	8021B	
		Parameter		Result mg/kg	t	RL			
		Benzene		<0.025	5	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			
		Supero	nates	% Recovered	OC L	mite (0/.)			
		aaa-Tolue		101%		120			
		Bromofluc	probenzene	91%	80	120			
		L				ليبيصي			

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

Page 2 of 3

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

JOHN STEWAR LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G03 : Dyn Non	egy/ Site #26 e Given		
Lab ID:	0306929-03							
Sample ID:	55-11							
			Dete	8015M				
	Method Blank	Prepared	Date Analyzed	Sample	Dilutio Factor	n • Analvst	Method	
	Dunk		7/10/03 12:16	1	1	RKT	8015M	
		Parameter		Result		RL		
		GRO, C6-C12		<10		10.0		
		DRO, >C12-C35		33.5		10.0		
		TOTAL, C6-C35	· · · · ·	33.5		10.0		
		Surroga	tes	% Recovered	QC Li	mits (%)		
		1-Chlorooct	ane	128%	70	130		
		1-Chiorooct	adecane	118%	70	130		
		_	<i>8021B</i>	8/5030 BTEX				
	Method	Date Prepared	Date Analyzed	Sample	Dilutio Factor	n - Analyst	Method	
	0006142-02	<u>Prepared</u>	7/10/03 17:49	1	<u>25</u>	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		
		Surroga	ites	% Recovered	QC Li	mits (%)		
		aaa-Toluen	e	100%	80	120		
		Bromofluor	benzene	88%	80	120	j	
				Appr	oval:	alu	Muni	07/11/03

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.

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

Page 3 of 3

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

8015M

Order#: G0306929

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

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800 ENVIRONMENTAL LAB OF TEXAS I, LTD.

CLIENT NAME:	SITE MANAGER:	PARAMETERS/METHOD NUMBER	CHAIN-OF-CUSTODY RECORD
PROJECT NG: Y	PROJECT NAME: 26		A arson & Fax: 915-687-0456 Environmental Consultants ans. 687-0401
PAGE 1 OF (LAB. F	Po#	/ Л. <i>8р</i> ЭЕ СОИЛ	507 N. Marienfeld, Ste. 202 • Midland, TX 79701
234420 1105 2214711 311111 311111	SAMPLE IDENTIFICATION	NOWBEK C	LAB. I.D. REMARKS NUMBER II.E., FILTERED, UNFRITERED, FRESERVED, UNPRESERVED, (LAB USE ONLY) GRAB COMPOSITE)
7/12/21/2	<5-9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-376329-01
111 4100	<< -10	-	-02
1 51.6 1)	55 - 1	7	ça 🛧
SAMPLED Pri-JSignophyler	DATE: C RELINQUISHE	ED BY: (Signature) DATE: DATE: TIME:	RECEIVED BY: (Signature) DATE:
RELINDUSHED BY: (SIGNALLE)	DATE: RECEIVED BY	: (Signature) DATE: 7/9/b3	SAMPLE SHIPPED BY: (Circle) FEDEX BUS AIRBILL #:
COMMENTS.		TURNAROUND TIME NEEDED	HAND DELIVERED UPS OTHER:
Meed results	by 7/11/03 Fric	day Noon	WHITE - RECEIVING LAB YELLOW - RECEIVING LAB (TO BE RETURNED TO
RECEIVING LABORATORY: ZAVIO ADDRESS:	verimental les of 18	ECEIVED BY: (Signature)	LA AFTER RECEIPT) PINK – PROJECT MANAGER
CITY: CONTACT:		DATE: 7/5(03 TIME: 1763	
SAMPLE CONDITION WHEN RECEIVED:		LA CONTACT PERSON:	SAMPLE TYPE: 4.5°C

,

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT 8021B/5030 BTEX

Benzene-mg/kg 0006142-02 <0.025	nzene-mg/kg luene-mg/kg nylbenzene-mg/kg n-Xylene-mg/kg Kylene-mg/kg SOIL nzene-mg/kg
Toluene-mg/kg 0006142-02 < < <th<< td=""><td>luene-mg/kg iylbenzene-mg/kg n-Xylene-mg/kg Kylene-mg/kg IS SOIL nzene-mg/kg</td></th<<>	luene-mg/kg iylbenzene-mg/kg n-Xylene-mg/kg Kylene-mg/kg IS SOIL nzene-mg/kg
Ethylbenzene-mg/kg 0006142-02 < <0.025 p/m-Xylene-mg/kg 0006142-02 <	nylbenzene-mg/kg n-Xylene-mg/kg Kylene-mg/kg IS SOIL nzene-mg/kg
p/m-Xylene-mg/kg 0006142-02 < < < o-Xylene-mg/kg 0006142-02 <	n-Xylene-mg/kg Kylene-mg/kg IS SOIL nzene-mg/kg
o-Xylene-mg/kg 0006142-02 <0.025 MS SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery R 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 0.1 0.116 116.% o-Xylene-mg/kg 0306942-12 0 0.1 0.117 117.% MSD SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery R Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.7 Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.4	Kylene-mg/kg SOIL nzene-mg/kg
MS SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery R 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.% MSD SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery R Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.7 Toluene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.7 Benzene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.4	SOIL nzene-mg/kg
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 0.1 0.116 116.% o-Xylene-mg/kg 0306942-12 0 0.2 0.240 120.% o-Xylene-mg/kg 0306942-12 0 0.1 0.117 117.% MSD SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery Recovery Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.7 Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.4	nzene-mg/kg
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.% MSD SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery Recovery Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3. Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.	
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.% MSD SOIL LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery Recovery Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.1 Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.1	luene-mg/kg
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.% MSD LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery Recovery Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3. Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.	hylbenzene-mg/kg
o-Xylene-mg/kg 0306942-12 0 0.1 0.117 117.% MSD LAB-ID # Sample Concentr. Spike Concentr. QC Test Result Pct (%) Recovery Recovery Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.7 Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.4	n-Xylene-mg/kg
MSD SOILLAB-ID #Sample Concentr.Spike Concentr.QC Test ResultPct (%) RecoveryRBenzene-mg/kg0306942-1200.10.105105.%3.Toluene-mg/kg0306942-1200.10.112112.%2.	Xylene-mg/kg
Benzene-mg/kg 0306942-12 0 0.1 0.105 105.% 3.1 Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2.1 Ethylheseses mg/kg 0306942-12 0 0.1 0.117 117.% 0.1	ISD SOIL
Toluene-mg/kg 0306942-12 0 0.1 0.112 112.% 2. Ethylheseses mg/kg 020(042-12) 0 0.1 0.117 117.% 0	enzene-mg/kg
Ethylhegrane mg/ r_{2} 0.01 0.117 117. 0.00	luene-mg/kg
0.1000942-12 0 0.1 0.117 117.76 0.	hylbenzene-mg/kg
p/m-Xylene-mg/kg 0306942-12 0 0.2 0.237 118.5% 1.	m-Xylene-mg/kg
o-Xylene-mg/kg 0306942-12 0 0.1 0.113 113.% 3.	Xylene-mg/kg
SRMLAB-ID #Sample Concentr.Spike Concentr.QC Test ResultPct (%) RecoveryR	RM SOIL
Benzene-mg/kg 0006142-05 0.1 0.110 110.%	enzene-mg/kg
Toluene-mg/kg 0006142-05 0.1 0.114 114.%	oluene-mg/kg
Ethylbenzene-mg/kg 0006142-05 0.1 0.111 111.%	hylbenzene-mg/kg
p/m-Xylene-mg/kg 0006142-05 0.2 0.233 116.5%	m-Xylene-mg/kg
0-Xylene-mg/kg 0006142-05 0.1 0.117 117.%	Xylene-mg/kg

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. γ

Approved By:

Kunl 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

<u>Certificates</u> US EPA Laboratory Code TX00158

ENVIRONMENTAL LAB OF TEXAS I, LTD. 12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

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.

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

JOHN STEWART Order#: G0	0307910
LARSON AND ASSOCIATES, INC. Project:	
P.O. BOX 50685 Project Name: Dy	ynegy Site #26
MIDLAND, TX 79710 Location: No	one Given

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

		Fingerp	rint by GC/F	ID		
Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 7/10/03	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Anaiyst</u> JLH	<u>Method</u> 8015M
	Parameter		Resul %	t	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	

21.1

12.3

14 11-12-03 Approval: an 4K 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.

1.00

1.00

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS I, LTD.

C16-C21

C21-C35

12600 West I-20 East, Odessa, TX 79765 Ph: 915-563-1800

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.

11-12-03 Date:

Approved By: Kala d (Ju Environmental Lab of Texas I, Ltd.

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



File	:	D:\060503\664	6-01.I	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					



: C:\HPCHEM\1\DATA\071003\6929 File Í.D : CDK 7910-01 Operator 4:00 pm using AcqMethod 1005RTE.M : 10 Jul 2003 Acquired Instrument : GC/MS Ins Sample Name: Misc Info : Vial Number: 54



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						-	 			
-CUSTODY RECORD	Unc. Fax, 915-687-0456 Unc. Pax, 915-687-0456 915-687-0901	DIE. ZUZ WILLIULU, TX 77.01 REMARKS ILE. FILTRED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)	19/10-01				DATE:	e) BUS Airbill #: UPS OTHER:	(TO BE RETURNED TO IPT) AGER DINATOR	55
CHAIN-OF-	A drson & sociates, Environmental cons	50/ N. Marienteld, LAB.I.D. NUMBER (LAB USE ONLY)	20- 20- 20-				RECEIVED BY: (Signature)	Sample Shipped BY: (Circ) Fedex Hand Delivered	YELLOW - RECEIVING LAB LA AFTER RECE PINK - PROJECT MAN GOLD - QA/QC COORI	SAMPLE TYPE:
RAMETERS/METHOD NUMBER	-tor /	y sobury					re) DATE:	BATE: 279763 DATE: 2203 TURNAROUND TIME NEEDED	lgmature)	PERSON:
PA	ONTRINERS	AUMBER OF C					 QUISHED BY: (Signatu	VED BY: (Signature)	TXRECEIVED BY: 19	LA CONTACT
SITE MANAGER:	PROJECT NAME: 24	LAB. PO #	25-9	K 35 - 1 -				Time: RECEN	LE LU STATE LIGE / 1/1/03 / 1/1/03 / 1/1/03 / 1/03	MED.
CLIENT NAME:	PROJECT NO TA	PAGE OF C	114 81.16	4.15			SAMPLED BY: Signorgher	RELINGUISHED BY: ISIGRAT	$N \in C$ $X \in S \cup$ RECEIVING LABORATORY: _ ADDRESS:	CONIACI: SAMPLE CONDITION WHEN RECEN

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

<u>Certificates</u> 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.

				Date / Time	Date / Time		
<u>Lab ID:</u>	Sample :	<u>Matrix:</u>		<u>Collected</u>	Received	Container	<u>Preservative</u>
0306646-01	Pipeline	OIL		6/4/03	6/5/03	4 oz plastic	None
		•		14:55	8:18		
La	<u>b Testing:</u>	Rejected:	No	Ten	np: 3.0 C		
	Fingerprint by GC/FID						

ENVIRONMENTAL LAB OF TEXAS ANALYTICAL REPORT

CINDY CRAIN		Order#:	G0306646	
LARSON AND A	ASSOCIATES, INC.	Project:	0-0100-45	
P.O. BOX 50685		Project Name:	Site #45	
MIDLAND, TX	79710	Location:	None Given	
	1			
Lab ID:	0306646-01			

Sample ID:	Pipeline	
		Fingerprint by GC/FID

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

06/11/03 Approval: (un Date

Raland K. Tuttle, Lab Dilector, 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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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```
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
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N- 1 F 1 1 N

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Реодет No. Продет No. Продет No. Sort Number	client name: Dynegy	SITE MANAGER: Cray Crain	PARAMETERS/METHOD NUM	BER CHAIN-OF-CUSTO	DY RECORD
PAGE OF Lus. PO# Lus. PO# Sol of the continuation Sol of the content ion Sol	PROJECT NO.: D- D/DD - 4/5	PROJECT NAME: Site ガイら	язиіатис Ұліле	Associates, Inc. Fax: 91 Environmental Consultants 9	5-687-0456 5-687-0901
No. No. <td>PAGE / OF / LA</td> <td>AB. PO #</td> <td>01: CC</td> <td>507 N. Marienfeld, Ste. 202 • Mi</td> <td>lland, 1X /9/01</td>	PAGE / OF / LA	AB. PO #	01: CC	507 N. Marienfeld, Ste. 202 • Mi	lland, 1X /9/01
14/1/15 14/55 1 1 1 14/1/15 1 1 1 1 1 1 1 </td <td>105 3214711 31412 2140</td> <td>SAMPLE IDENTIFICATION</td> <td><i>Бслу</i> можеев</td> <td>LAB. I.D. REMA NUMBER (I.E., FILTERED, NUMBER PRESERVED, UI (LAB USE ONLY) GRAB CON</td> <td>RKS INVEILTERED, PRESERVED, POSITE)</td>	105 3214711 31412 2140	SAMPLE IDENTIFICATION	<i>Бслу</i> можеев	LAB. I.D. REMA NUMBER (I.E., FILTERED, NUMBER PRESERVED, UI (LAB USE ONLY) GRAB CON	RKS INVEILTERED, PRESERVED, POSITE)
Savyet/Der: Signofurei DATE DATE Imme: Imme: Imme: Imme: Imme: Savyet/Der: Signofurei Imme: Imme: Imme: Savyet/Der: Signofurei Imme: Imme: Imme: Imme: Savyet/Der: Signofurei Imme: Imme: Imme: Imme: Imme: Savyet/Der: Imme:	44163 1455 V	Pipeline	· · ·		
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SAMPLED BY: ISignaturel Date: Date: Date: Date: COMMENTS: TURNAROUND TIME NEEDED FEDEX EREINOLOGY EREINOLOGY ADDRESS: STATE: Date: TIME: Date: Date:				07	
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NVIRONMENTAL

12600 West I-20 East - Odessa, Texas 79765

LAB OF

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

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

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
60-62' (4C03001-01)	<u> </u>			~					
Benzene	3.35	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	<u> </u>
Toluene	18.5	0.0250	н	n	11	14	Ħ	n	
Ethylbenzene	13.5	0.0250	11	11	**		#	н	
Xylene (p/m)	19.5	0.0250	n	11	"	*	"	n	
Xylene (0)	7.11	0.0250		۳	**	н	H	n	
Surrogate: a,a,a-Trifluorotoluene		1050 %	80	120	п	"	"	п	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	11	"	"	Ħ	y,		
Total Hydrocarbon C6-C35	5790	10.0	**	*	"	Ħ		Ħ	
Surrogate: 1-Chlorooctane		85.4 %	70-	130		" "	"		
Surrogate: 1-Chlorooctadecane		80.0 %	7 0	130	н	"	"	"	
62-64' (4C03001-02)									
Benzene	3.53	0.100	mg/kg dгy	100	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	32.6	0.100	*	"	n	н	Ħ	"	
Ethylbenzene	29.8	0.100			N	n	н	*	
Xylene (p/m)	45.5	0.100	w			87	"	"	
Xylene (o)	16.5	0.100	Ħ	Ħ	Ħ	"	**	n	
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	11	n	n	n	"	n	
Total Hydrocarbon C6-C35	5760	10.0	"	R	н	"	м	н	
Surrogate: 1-Chlorooctane		128 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		128 %	70-	130	"	"	"	"	
64-66' (4C03001-03)									
Benzene	2.03	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	······
Toluene	10.6	0.0250	"	Ħ	11	n	n	n	
Ethylbenzene	11.1	0.0250		Ħ	ti	"	H	Ħ	
Xylene (p/m)	16.7	0.0250			*	*	*	n	
Xylene (0)	6.66	0.0250) "	н	n	и	11	**	
Surrogate: a,a,a-Trifluorotoluene		692 %	80-	120		ú –	"	"	S-04
Surrogate: 4-Bromofluorobenzene		104 %	6 80-	120	"	н	"	"	
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) "	n	"	"	n		
Total Hydrocarbon C6-C35	4180	10.0) "	*	Ħ	"	"	"	
Surrogate: 1-Chlorooctane		125 %	5 70-	-130	<i>ii</i>	"	"		
Surrogate: 1-Chlorooctadecane		120 %	5 70-	-130	"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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

Fax: (432) 687-0456

Reported: 03/05/04 13:32

		Org	ganics by	y GC					
	E	nvironm	iental L	ab of T	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
66-68' (4C03001-04)									
Benzene	0.590	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	3.25	0.0250	"	"		۳	M	**	
Ethylbenzene	3.57	0.0250	"	11		11	11	11	
Xylene (p/m)	6.28	0.0250	n	۳		н	"	4	
Xylene (0)	2.80	0.0250	Ħ	n	n	Ħ	"	11	
Surrogate: a,a,a-Trifluorotoluene	· · · · · · · · · · · · · · · · · · ·	288 %	80	120		"	"	<i>ii</i>	<u>S-04</u>
Surrogate: 4-Bromofluorobenzene		100 %	80	120	"	"	"	17	
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		n	"	n			
Total Hydrocarbon C6-C35	372	10.0	n	"	n	*	"	**	
Surrogate: 1-Chlorooctane	· · · · · · · · · · · · · · · · · · ·	102 %	70-	130	н	"	17	"	
Surrogate: 1-Chlorooctadecane		100 %	7 0	130	"	"	n	"	
68-70' (4C03001-05)									
Benzene	15.9	0.200	mg/kg dry	200	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	60.0	0.200	"		w	n	n	n	
Ethylbenzene	42.7	0.200				**	۳	*	
Xylene (p/m)	64.3	0.200	"	11	۳	11	۳	"	
Xylene (0)	24.2	0.200	11	**	Ħ		*	rt.	
Surrogate: a,a,a-Trifluorotoluene		553 %	80-	120	"	"	"	<i>ii</i>	S-04
Surrogate: 4-Bromofluorobenzene		104 %	80-	120	n	"	"	"	
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				11			
Total Hydrocarbon C6-C35	8550	10.0		Ħ			"	n	
Surrogate: 1-Chlorooctane		184 %	70-	130	**	"	"	<i>n</i>	<u>S-04</u>
Surrogate: 1-Chlorooctadecane		161 %	70-	130	"	"	"	"	S-04
70-72' (4C03001-06)									
Benzene	1.72	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	17.5	0.0250	n	et	11	**	n	"	
Ethylbenzene	17.7	0.0250		4	Ħ	Ħ	11	f 4	
Xylene (p/m)	25.7	0.0250	"	Ħ	Ħ	H	м	n	
Xylene (o)	9.63	0.0250		N	17			n	
Surrogate: a,a,a-Trifluorotoluene		792 %	80-	120	н	"	"	11	S-0-
Surrogate: 4-Bromofluorobenzene		93.7 %	5 80-	-120	"	"	н	"	
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) "	#	"	н	Ħ	н	
Total Hydrocarbon C6-C35	5400	10.0) "	tr	и	"	11	н	
Surrogate: 1-Chlorooctane		122 %	5 70-	-130	"	"	"		
Surrogate: 1-Chlorooctadecane		126 %	6 70-	-130	"	"	"	"	

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Quality Assurance Review

Page 3 of 10

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
72-74' (4C03001-07)						· · · · · · · · · · · · · · · · · · ·			
Benzene	18.0	0.200	mg/kg drv	200	EC40503	03/03/04	03/04/04	EPA 8021B	
Toluene	64.8	0.200	*	n	#	n	Ħ		
Ethylbenzene	45.4	0.200		Ħ	n			"	
Xylene (p/m)	68.2	0.200		n	n	Ħ	н	M	
Xylene (0)	26.0	0.200	۲	n	11	"	н	W	
Surrogate: a,a,a-Trifluorotoluene		596 %	80	120				"	
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	**	**	11	п	"	n	
Total Hydrocarbon C6-C35	9890	10.0	**	u		"	17	"	
Surrogate: 1-Chlorooctane		278 %	70-	130	"			"	
Surrogate: 1-Chlorooctadecane		264 %	70	130	**	"	"	"	S-04
74-76' (4C03001-08)									
Benzene	2.12	0.0250	mg/kg dry	25	EC40503	03/03/04	03/03/04	EPA 8021B	
Toluene	17.8	0.0250	м	"	11	"	"	-	
Ethylbenzene	17.6	0.0250		"	Ħ		11	n	
Xylene (p/m)	25.9	0.0250		"	n	n	n	n	
Xylene (o)	9.97	0.0250) ei	Ħ		-	Π	11	
Surrogate: a,a,a-Trifluorotoluene		735 %	80-	120	Ħ	¥1	11	**	S-04
Surrogate: 4-Bromofluorobenzene		103 %	80-	120	"	11	"	**	
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	"	н		H	n		
Total Hydrocarbon C6-C35	5720	10.0) "	n	"		n	"	
Surrogate: 1-Chlorooctane		127 %	5 70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		125 %	5 70-	130	"	"	"	"	

Environmental Lab of Texas

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Quality Assurance Review

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

Reported: 03/05/04 13:32

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

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

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
Batch EC40209 - Solvent Extraction	(GC)									
Blank (EC40209-BLK1)				Prepared	& Analyze	ed: 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	& Analyze	ed: 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	n	500		100	75-125			
Total Hydrocarbon C6-C35	905	10.0		1000		90.5	75-125			
Surrogate: I-Chlorooctane	44.1		mg/kg	50.0		88.2	70-130			
Surrogate: 1-Chlorooctadecane	39.6		"	50.0		7 9 .2	70-130			
LCS Dup (EC40209-BSD1)				Prepared	& Analyz	ed: 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	n	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	& Analyz	ed: 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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<u>Quality Assurance Review</u>

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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
Batch EC40503 - EPA 5030C (GC)										
Blank (EC40503-BLK1)				Prepared	& Analyze	ed: 03/03/0)4			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	#							
Ethylbenzene	ND	0.0250	11							
Xylene (p/m)	ND	0.0250	11							
Xylene (0)	ND	0.0250	n							
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)				Prepared	& Analyze	ed: 03/03/0)4			
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		M	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)				Prepared:	03/03/04	Analyzed	1: 03/04/04)		
Benzene	95.9		ug/kg	100		95.9	80-120			
Toluene	91.1		W	100		91.1	80-120			
Ethylbenzene	89.9		н	100		89.9	80-120			
Xylene (p/m)	177		n	200		88.5	80-120			
Xylene (o)	91.0		н	100		91.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.5			100		93.5	80-120		<u> </u>	
Surrogate: 4-Bromofluorobenzene	100		"	100		100	80-120			
Matrix Spike (EC40503-MS1)	So	ource: 4C04()02-03	Prepared:	: 03/03/04	Analyzed	1: 03/04/04	1		
Benzene	2370		ug/kg	2500	ND	94.8	80-120			
Toluene	2350		H	2500	68.9	91.2	80-120			
Ethylbenzene	2350		Ħ	2500	64.0	91.4	80-120			
Xylene (p/m)	4620		tt.	5000	131	89.8	80-120			
Xylene (0)	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

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.

Kaland K-Quality Assurance Review

Page 7 of 10

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

Anglute	Pagult	Reporting	Spike	Source	WREC	%REC		RPD Limit	Notes
	result			Result	70KEC	Linits			ivoles
Batch EC40503 - EPA 5030C (GC)									
Matrix Spike Dup (EC40503-MSD1)	Sou	rce: 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	и	2500	64.0	92.6	80-120	1.30	20	
Xylene (p/m)	4670	н	5000	131	90.8	80-120	1.11	20	
Xylene (o)	2360	n	2500	37.7	92.9	80-120	4.40	20	
Surrogate: a,a,a-Trifluorotoluene	92.0		100		92.0	80-120			
Surrogate: 4-Bromofluorobenzene	104	"	100		104	80-120			

Environmental Lab of Texas

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Page 8 of 10

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

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 Limits	RPD	RPD Limit	Notes
Batch EC40401 - % Solids										
Blank (EC40401-BLK1)				Prepared	& Analyze	ed: 03/04/	04			
% Solids	100		%							<u> </u>
Duplicate (EC40401-DUP1)	Sou	rce: 4C030()1-01	Prepared	& Analyz	ed: 03/04/	04			
% Solids	94.0		%		94.0			0.00	20	

Environmental Lab of Texas

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Quality Assurance Review

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713

Page 9 of 10

Larson & P.O. Bo: Midland	& Associates, Inc. x 50685 I TX, 79710	Project: Project Number: Project Manager:	Fax: (432) 687-0456 Reported: 03/05/04 13:32	
	 	Notes and De	finitions	
S-04	The surrogate recovery for this	s sample is outside of established	control limits due to a sample mati	rix 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.

RalandkJ Quality Assurance Review D

Page 10 of 10

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

Client:	Larson + Associates
0110111	

Date/Time: 03-03-04@0900

Order #: <u>4 C °3 ∞ 1</u>

Initials:

JMM

Sample Receipt Checklist

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

Other observations:

 Variance Documentation:

 Contact Person: -_____ Date/Time: ______ Contacted by: ______

Regarding:	
· · · · · · · · · · · · · · · · · · ·	
	<u></u>
Corrective Action Taken:	

	Circly Crain of the second of	Site til Environmental Consultants	No. Soft N. Marienfeld, Ste. 202 • 0. 80 / 7	SAMPLE IDENTIFICATION REER T. LAB. I.D. HILE, FILTER NUMBER I.E., FILTER NUMBER I.E., FILTER NUMBER CONITY CREEREVEE	60-621 1 V V 403001-01	62-64' 1 July	64-66' 11 10-03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 × 20, 1 × 20, 1 × 20	70.20'	12-74' 1	74.7%					DATE: 3/2/04 RELINQUISHED BY: (Signature) DATE: RECEIVED BY: (Signature)	TIME: 1200	DATE: 3/2/04 RECEIVED BY: (Signature) DATE: SAMPLE SHIPPED BY: (Circle)	TIME: 16/2 BUS AIR	TURNAROUND TIME NEEDED THAT ULTIME AND WHITE - RECEIVING LAB	RECEIVED BY: (Signature)	12-20 C PINK - PROJECT MANAGER
		2		NOS dan	7	7	7	7]	7	7	/					dre)	an	gnature)	an		JRY:	2600



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:

Lab Order Number: 4C08008

Report Date: 03/12/04

Larson & Associates, Inc. Project: Dynegy Site#26 P.O. Box 50685 Project Number: 0-0100-26 Midland TX, 79710 Project Manager: Cindy Crain

| |

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

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

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

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 4	Analyzed	Method	Notes
72-74 (4C08008-01)									
Benzene	0.0497	0.00100	mg/L	1	EC41204	03/11/04	03/11/04	EPA 8021B	
Toluene	0.966	0.00100		"	"	۳	n		
Ethylbenzene	0.793	0.00100	n	"	n	n	n	11	
Xylene (p/m)	1.13	0.00100		M		Ħ	n	"	
Xylene (0)	0.451	0.00100	W	Ħ	"	n	"	"	
Surrogate: a,a,a-Trifluorotoluene		588 %	80-12	20	"		"	"	<u>S-04</u>
Surrogate: 4-Bromofluorobenzene		93.8 %	80-12	20	"	"	"	"	
74-76 (4C08008-02)									
Benzene	ND	0.00100	mg/L	1	EC41204	03/11/04	03/11/04	EPA 8021B	
Toluene	0.0708	0.00100	n	"	n			Ħ	
Ethylbenzene	0.149	0.00100	n			Ħ	"	"	
Xylene (p/m)	0.387	0.00100	Ħ	n	*	"	"	n	
Xylene (0)	0.219	0.00100	*	Ħ	N	M			
Surrogate: a,a,a-Trifluorotoluene	······	108 %	80-12	20	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	80-12	20	"	"	"	"	

Environmental Lab of Texas

Quality Assurance Review

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.

Page 2 of 4

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
Ratch FC41204 - FDA CC 1312										
Bach EC41204 - EFA GC 1512	····									
Blank (EC41204-BLKI)				Prepared	& Analyze	ed: 03/11/	04			
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100								
Xylene (p/m)	ND	0.00100	"							
Xylene (0)	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			
LCS (EC41204-BS1)				Prepared	& Analyze	ed: 03/11/	04			
Benzene	100		ug/kg	100		100	80-120			
Toluene	96.6		H	100		96.6	80-120			
Ethylbenzene	94.3		**	100		94.3	80-120			
Xylene (p/m)	189		ų	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	9 8.5		"	100		98.5	80-120			
Calibration Check (EC41204-CCV1)				Prepared	& Analyz	ed: 03/11/	04			
Benzene	99.0		ug/kg	100		99.0	80-120			
Toluene	94.6		"	100		94.6	80-120			
Ethylbenzene	91.8		н	100		91.8	80-120			
Xylene (p/m)	184		Ħ	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			
Duplicate (EC41204-DUP1)	Se	ource: 4C080	08-02	Prepared	& Analyz	ed: 03/11/	′04			
Benzene	ŃD	0.00100	mg/L		ND				20	
Toluene	0.0744	0.00100	"		0.0708			4.96	20	
Ethylbenzene	0.142	0.00100	м		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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Quality Assurance Review

Page 3 of 4

Larson &	Associates, Inc.	Project:	Dynegy Site#26	Fax: (432) 687-0456
P.O. Box	50685	Project Number:	0-0100-26	Reported:
Midland 7	TX, 79710	Project Manager:	Cindy Crain	03/12/04 15:12
		Notes and De	efinitions	
S-04	The surrogate recovery for this sa	mple is outside of established	control limits due to a sample matr	ix effect.
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or abo	ve the reporting limit		
NR	Not Reported			
dry	Sample results reported on a dry we	ight basis		
RPD	Relative Percent Difference			

Environmental Lab of Texas

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2101 Quality Assurance Review

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HAIN-OF-CUSTODY RECORD		A DISOTI & SSOCIDTES, INC. Fax: 432-687-0456 Environmental Consultants 432-687-0901	07 N. Marienfeld, Ste. 202 • Midland, TX 79701	LAB. I.D. REMARKS. NUMBER (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, B USE ONIY) GRAB COMPOSITE)	03001-01 4008008	- 02	-03	-24	-05	-06	10 100	1 100 02	•						teu 61: (signature) Uate:	E SHIPPED BY: (Circle)	RUS ARBIIL#	DELIVERED UPS OTHER	 RECEIVING LAB RECEIVING LAB RECEIVING LAB 	LA AFTER RECEIPT)	- PROJECT MANAGER - QA/QC COORDINATOR		LE TYPE:	
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SITE MANAGER:	Cirdy Crain	PROJECT NAME:	#0	SAMPLE IDENTIFICATION	60-62'	(ba). (sr) '	104 - 606'	106.68'	68-70'	10.21	72-74'	74.71.							Date:3/2/04 Relinguishe	DATE 3/2/04 RECEIVED BY:			s Per Dividu Crain (07	-20 &	PHONE:	Her glass	
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CLIENT N	~	PROJEG	PAGE	3140	10/04		<u>ن</u>	11	4	2	11	:							SAMPL		KELING	\downarrow	COMV	RECEIV		CONTA	SAMPLE	

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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.Project: Dynegy Site#26Fax: (432) 687-0456P.O. Box 50685Project Number: 0-0100-26Reported:Midland TX, 79710Project Manager: Cindy Crain03/18/04 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

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