1R - 449

REPORTS

DATE:

10/27/2004

Larson & Associates, Inc.
Environmental Consultants

October 27, 2004

Mr. Paul Sheeley
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 Report (Site #55), Dynegy Midstream Services. L.P., Unit Letter H (SE/4, NE/4), Section 19, Township 22 South, Range 38 East, Lea County, New Mexico

Dear Mr. Sheeley:

Dynegy Midstream Services, L. P. (Dynegy) has retained Larson and Associates, Inc. (LA) to investigate potential impacts to soil from a historic natural gas liquids (i.e., natural gas condensate) spill that occurred from a pipeline leak in the southeast quarter (SE/4) of the northeast quarter (NE/4), Section 19, Township 22 South, Range 38 East, Lea County, New Mexico (Site #55). The spill did not involve a reportable quantity of gas or liquid. A Release Notification and Corrective Action form (Form C-141) was filed only at the request of the New Mexico Oil Conservation Division (NMOCD). The leak was repaired. Figure 1 presents a Site location and topographic map. Appendix A provides a copy of the Form C-141.

Current Investigation

On April 30, 2004, Dynegy excavated all impacted soil within the vicinity of the pipeline leak, and LA personnel collected soil samples from the sides of the excavation at a depth of four (4) feet below ground surface (bgs), and from the bottom at a depth of five (5) feet bgs for laboratory analysis. 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. Soil samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method SW-846-8015, including gasoline range organics (GRO) and diesel range organics (DRO).

A duplicate of each sample was collected for headspace analysis. The headspace jars were filled approximately ¾ 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. One soil sample (SS-5) showed a PID reading above 100 ppm (150.2 ppm) and that sample was also analyzed for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) by EPA

method SW-846-8021B. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples. Figure 2 shows the sample locations and TPH concentrations. Appendix B presents the laboratory data and chain-of-custody documentation.

Based on published literature (1961) and well records of the New Mexico State Engineer (NMSE), groundwater occurs at approximately 137 feet bgs. No domestic water wells are located within 1,000 feet 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	**5,000 mg/kg**

Referring to Table 1, the soil samples collected from the north (SS-1) and west (SS-4) sides at a depth of four (4) feet bgs, showed TPH concentrations below the RRAL (216 mg/kg and 3,388.5 mg/kg, respectively), as well as the sample collected from the stockpiled soil ("Spoil", 1,810.5 mg/kg). The samples collected from the south (SS-2) and east (SS-3) sides of the excavation, at a depth of four (4) feet bgs, showed concentrations of TPH above the RRAL (5,940 mg/kg and 24,600 mg/kg, respectively). The sample collected from the bottom of the excavation, at a depth of five (5) feet bgs, also showed a TPH concentration above the RRAL (13,700 mg/kg).

Excavation continued at Site #55, until LA personnnel collected additional soil samples on June 14, 2004 from the south, east and west sides at a depth of four (4) feet bgs, and from the bottom at a depth of six and a half (6.5) 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, and analyzed for TPH by EPA method SW-846-8015.

A duplicate of each sample was collected for headspace analysis, as described above. The PID was calibrated to 99.9 ppm isobutylene prior to obtaining headspace readings. One soil sample (SS-9) showed a PID reading above 100 ppm (113.6 ppm) and that sample was also analyzed for BTEX by EPA method SW-846-8021B. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples. Figure 2 shows the sample locations and TPH concentrations. Appendix B presents the laboratory data and chain-of-custody documentation.

Referring to Table 1, all samples collected on June 14, 2004 showed TPH concentrations below the RRAL; however, soil staining was noticed along the south and west sides of the excavation, and additional soil was removed.

Samples were collected by LA on July 2, 2004 from the south (SS-10) and west (SS-11) sides of the excavation at a depth of six (6) feet bgs, and analyzed by ELOT for TPH. The sample SS-11 showed

a PID reading of 161 ppm, and was additionally analyzed for BTEX. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples. Figure 2 shows the sample locations and TPH concentrations. Appendix B presents the laboratory data and chain-of-custody documentation.

Referring to Table 1, the sample from the south side (SS-10) showed a TPH concentration below the test method detection limit, but the sample from the west side (SS-11) showed a concentration of TPH above the RRAL (8,370 mg/kg). Additional soil was excavated from the west side until the final sample (SS-13) collected on September 24, 2004, showed a TPH concentration below the RRAL (1,704.8 mg/kg).

As all final TPH and BTEX concentrations are below the RRAL, Dynegy requests that Site #55 be closed. Soil from the excavation is stockpiled at the site. Upon approval of closure by the NMOCD, the excavation will be filled with blended and clean soil. Please contact Mr. Cal Wrangham with Dynegy at (432) 688-0555 or myself at (432) 687-0901 if you have questions. We may also be contacted by e-mail at Cal.Wrangham@Dynegy.com, or Cindy@Laenvironmental.com.

Sincerely,
Larson & Associates, Inc.

Cindy K. Crain

Cindy K. Crain, PG
Project Manager

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

TABLE

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

Table 1: Summary of Headspace and Laboratory Analyses of Soil Samples
Dynegy Midstream Services, L.P., Spill Site #55
SE/4, NE/4, Section 19, Township 22 South, Range 38 East
Lea County, New Mexico

Sample Number	Sample Date	Sample Depth (Feet bgs)	Sample Location	PID Reading	Benzene (mg/kg)	Total BTEX (mg/kg)	GRO C6-C12 (mg/kg)	DRO >C12-C35 (mg/kg)	TPH C6-C35 (mg/kg)
RRAL					**10**	**50**			**5000**
SS-1	4/30/2004	4.0	North Side	1.3	---	---	<10.0	216	216
SS-2	4/30/2004	4.0	South Side	86.1	---	---	148	5,790	5,940
SS-3	4/30/2004	4.0	East Side	76.2	---	---	1,090	23,500	24,600
SS-4	4/30/2004	4.0	West Side	30.8	---	---	28.5	3,360	3,388.5
SS-5	4/30/2004	5.0	Bottom	150.2	<0.025	0.1651	332	13,400	13,700
Spoil	4/30/2004	---	---	4.4	---	---	20.5	1,790	1,810.5
SS-6	6/14/2004	4.0	South Side	53.4	---	---	20.5	1,830	1,850.5
SS-7	6/14/2004	4.0	East Side	4.7	---	---	<10.0	<10.0	<20.0
SS-8	6/14/2004	4.0	West Side	68.3	---	---	9.83	1,890	1,899.83
SS-9	6/14/2004	6.5	Bottom	113.6	<0.025	<0.125	10.3	668	678.3
SS-10	7/2/2004	6.0	South Side	4.8	---	---	<10.0	<10.0	<20.0
SS-11	7/2/2004	6.0	West Side	161	0.0193	0.9101	550	7,820	8,370
SS-12	8/10/2004	6.0	West Side	93.4	---	---	25.2	9,490	9,515.2
Spoil	8/10/2004	---	---	37.9	---	---	30.6	1,980	2,010.6
SS-13	9/24/2004	6	West Side	83.6	---	---	74.8	1,630	1,704.8

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

1. BGS: Sample depth in feet below ground surface
2. DRO: Diesel-range organics
3. GRO: Gasoline-range organics
4. TPH: Total petroleum hydrocarbons (Sum of DRO + GRO)
5. mg/kg: Milligrams per kilogram
6. <: Below method detection limit

FIGURES

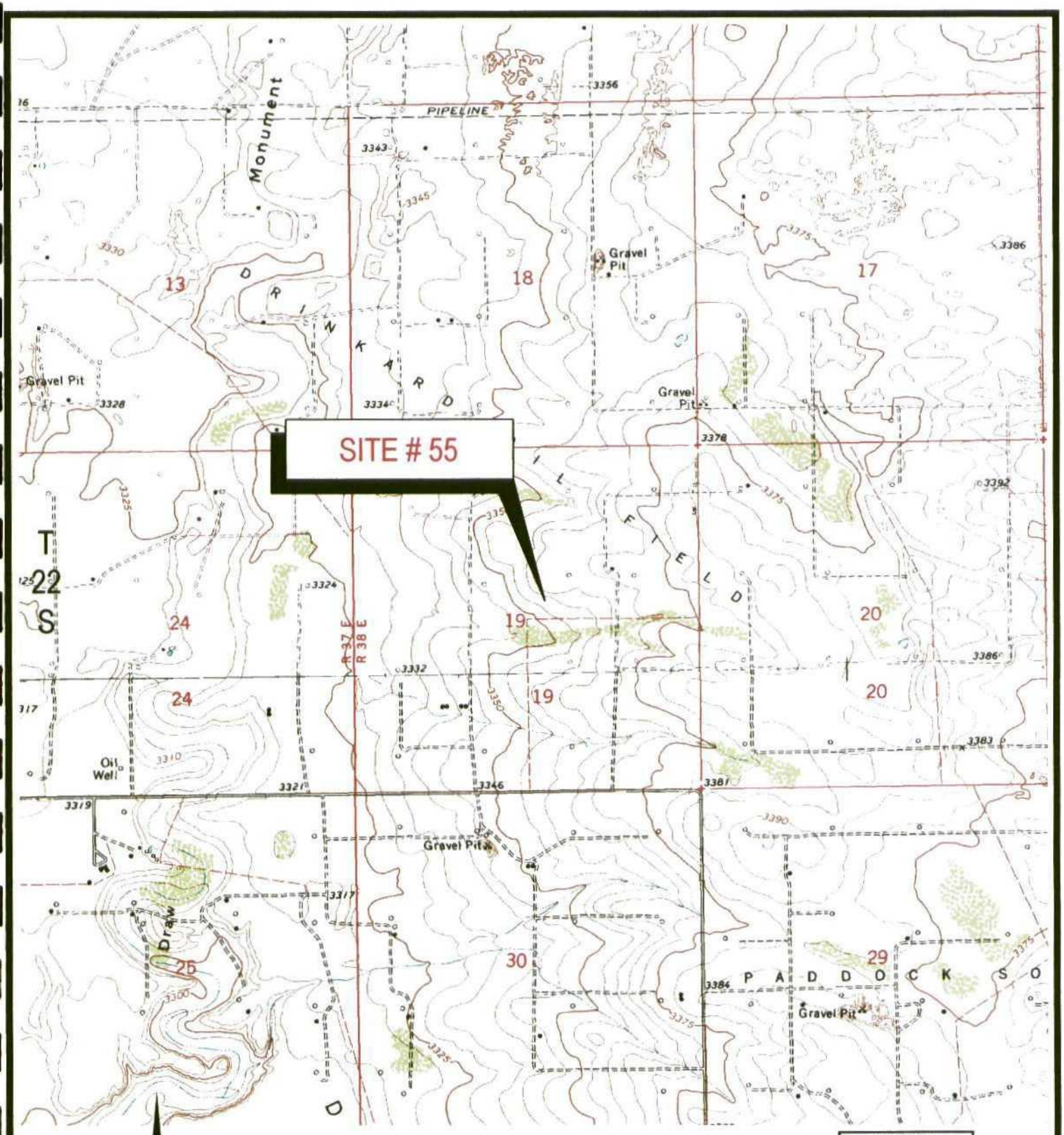


FIGURE #1

LEA COUNTY, NEW MEXICO

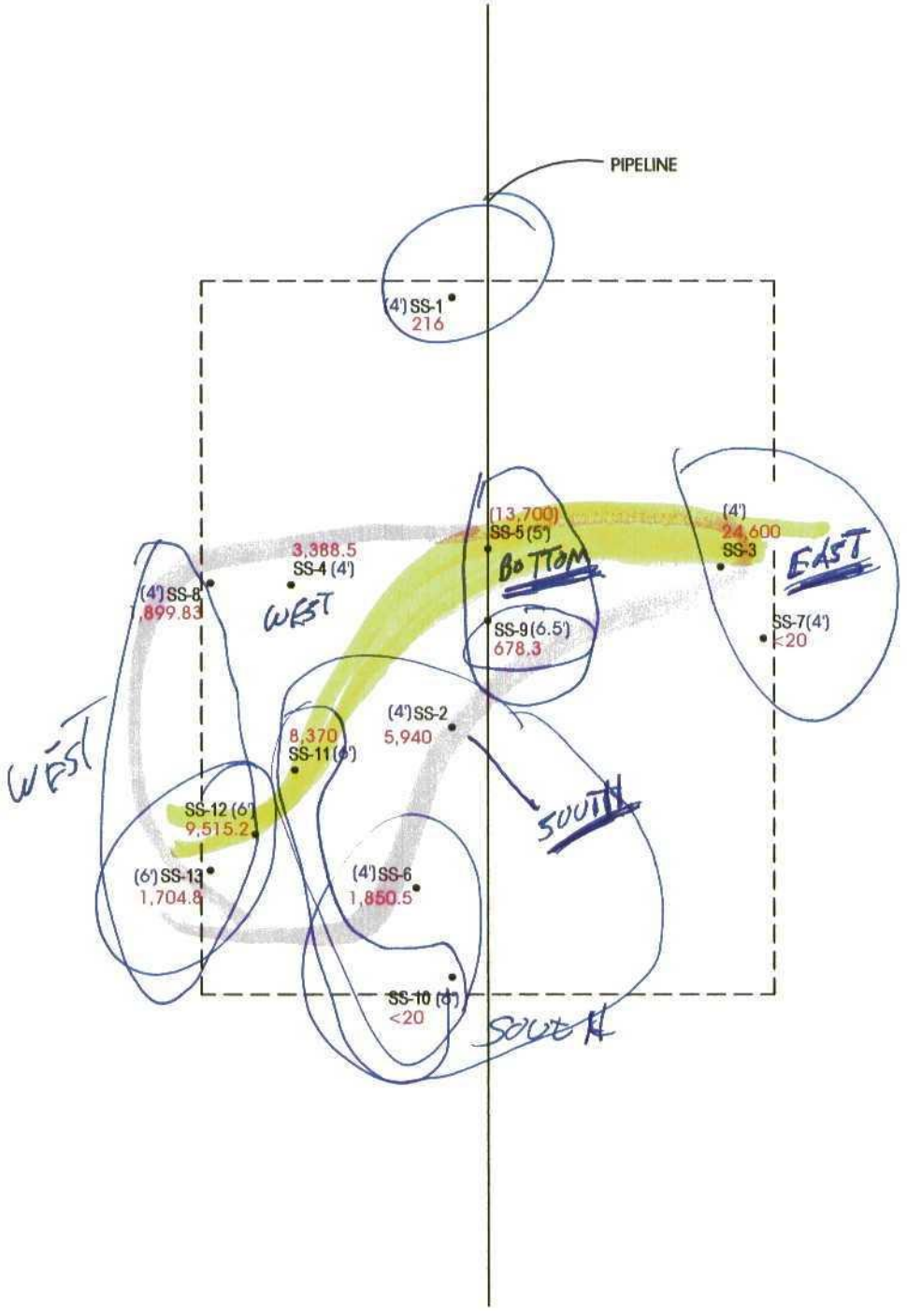
DYNEGY MIDSTREAM SERVICES L.P.

SE/4, NE/4, SEC. 19, T-22-S, R-38-E

TOPOGRAPHIC MAP
SITE # 55

DATE	10/28/04
NAME:	SJA
FILE:	0-0100-55

Larson & Associates, Inc.
Environmental Consultants



GRAPHIC SCALE IN FEET

0' 2.5' 5' 7.5'

1" = 5'

LEGEND

• - SOIL SAMPLE LOCATION, WITH DEPTH (FEET) AND TPH CONCENTRATION (MG/KG)

SS-5 (12)
16,790

— — - EXCAVATION BOUNDARY

RRAL (TPH) = 5,000 mg/kg

FIGURE #2

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

SE/4, NE/4, SEC. 19, T-22-S, R-38-E

SITE DETAILS
SITE # 55

DATE	10/26/04
NAME:	SJA
FILE:	0-0100-55

Larson & Associates, inc.
Environmental Consultants

APPENDIX A

RELEASE NOTIFICATION AND CORRECTIVE ACTION FORM (C-141)

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised June 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Dynegy Midstream Services, L.P.	Contact Dave Harris
Address PO Box 1909 Eunice, NM 88231	Telephone No. (505) 631-7069
Facility Name Eunice Plant Gathering System	Facility Type Gas Plant Low Pressure Gathering Lines

Surface Owner Blinebry	Mineral Owner	Lease No.

LA Project # 0-0100-55

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	19	22S	38E					Lea

NATURE OF RELEASE

Type of Release Natural Gas Condensate	Volume of Release ? unknown	Volume Recovered None
Source of Release Pipeline Leak	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☒ No ☐ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Pipeline leak due to interior and exterior corrosion. Will excavate impacted soil.

Describe Area Affected and Cleanup Action Taken.*

Some staining along pipeline right of way. Will clean up per NMOCD guidelines and submit documentation to district office.

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

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Cal Wrangham	Approved by District Supervisor:	
Title: ES&H Advisor	Approval Date:	Expiration Date:
E-mail Address: cwwr@dynegy.com	Conditions of Approval:	Attached ☐
Date: 8/21/03 Phone: (432) 688-0542		

* Attach Additional Sheets If Necessary

APPENDIX B

LABORATORY DATA AND CHAIN-OF-CUSTODY DOCUMENTATION

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

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

Project: Dynegy Site #55
Project Number: 0-0100-55
Location: None Given

Lab Order Number: 4D30018

Report Date: 05/06/04

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/06/04 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-1	4D30018-01	Soil	04/30/04 12:10	04/30/04 16:48
SS-2	4D30018-02	Soil	04/30/04 12:12	04/30/04 16:48
SS-3	4D30018-03	Soil	04/30/04 12:14	04/30/04 16:48
SS-4	4D30018-04	Soil	04/30/04 12:16	04/30/04 16:48
SS-5	4D30018-05	Soil	04/30/04 12:18	04/30/04 16:48
Spoil	4D30018-06	Soil	04/30/04 12:20	04/30/04 16:48

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

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/06/04 14:37

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (4D30018-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**216**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**216**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*90.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*109 %*	*70-130*		"	"	"	"	
SS-2 (4D30018-02) Soil									
Gasoline Range Organics C6-C12	**148**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**5790**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**5940**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*98.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*127 %*	*70-130*		"	"	"	"	
SS-3 (4D30018-03) Soil									
Gasoline Range Organics C6-C12	**1090**	50.0	mg/kg dry	5	EE40307	05/03/04	05/04/04	EPA 8015M	
Diesel Range Organics >C12-C35	**23500**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**24600**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*29.4 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*85.0 %*	*70-130*		"	"	"	"	*S-06*
SS-4 (4D30018-04) Soil									
Gasoline Range Organics C6-C12	**28.5**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**3360**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**3390**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*96.4 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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

Quality Assurance Review

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

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	05/06/04 14:37

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-5 (4D30018-05) Soil									
Gasoline Range Organics C6-C12	**332**	50.0	mg/kg dry	5	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**13400**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**13700**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*21.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*61.0 %*	*70-130*		"	"	"	"	*S-06*
Spoil (4D30018-06) Soil									
Gasoline Range Organics C6-C12	**20.5**	10.0	mg/kg dry	1	EE40307	05/03/04	05/03/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1790**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1810**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*120 %*	*70-130*		"	"	"	"	

Environmental Lab of Texas

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

Quality Assurance Review

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-1 (4D30018-01) Soil									
% Solids	**97.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-2 (4D30018-02) Soil									
% Solids	**98.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-3 (4D30018-03) Soil									
% Solids	**98.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-4 (4D30018-04) Soil									
% Solids	**94.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
SS-5 (4D30018-05) Soil									
% Solids	**97.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	
Spoil (4D30018-06) Soil									
% Solids	**99.0**		%	1	EE40402	05/04/04	05/04/04	% calculation	

Quality Assurance Review

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

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-5 (4D30018-05) Soil									
Benzene	ND	25.0	ug/kg dry	25	EE40605	05/05/04	05/05/04	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	**J [13.6]**	25.0	"	"	"	"	"	"	J
Xylene (p/m)	**77.2**	25.0	"	"	"	"	"	"	
Xylene (o)	**74.3**	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*86.8 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*93.2 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*126 %*	*66-145*		"	"	"	"	

Quality Assurance Review

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

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 EE40307 - Solvent Extraction (GC)										
Blank (EE40307-BLK1)				Prepared & Analyzed: 05/03/04						
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	*36.0*		*mg/kg*	*50.0*		*72.0*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.7*		*"*	*50.0*		*77.4*	*70-130*			
Blank (EE40307-BLK2)				Prepared: 05/03/04 Analyzed: 05/04/04						
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	*38.7*		*mg/kg*	*50.0*		*77.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.2*		*"*	*50.0*		*78.4*	*70-130*			
LCS (EE40307-BS1)				Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	417	10.0	mg/kg wet	500		83.4	75-125			
Diesel Range Organics >C12-C35	448	10.0	"	500		89.6	75-125			
Total Hydrocarbon C6-C35	865	10.0	"	1000		86.5	75-125			
Surrogate: 1-Chlorooctane	*44.9*		*mg/kg*	*50.0*		*89.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*42.6*		*"*	*50.0*		*85.2*	*70-130*			
LCS (EE40307-BS2)				Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	421	10.0	mg/kg wet	500		84.2	75-125			
Diesel Range Organics >C12-C35	531	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	952	10.0	"	1000		95.2	75-125			
Surrogate: 1-Chlorooctane	*47.2*		*mg/kg*	*50.0*		*94.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*44.8*		*"*	*50.0*		*89.6*	*70-130*			
Calibration Check (EE40307-CCV1)				Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	453		mg/kg	500		90.6	80-120			
Diesel Range Organics >C12-C35	522		"	500		104	80-120			
Total Hydrocarbon C6-C35	975		"	1000		97.5	80-120			
Surrogate: 1-Chlorooctane	*61.0*		*"*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*60.0*		*"*	*50.0*		*120*	*70-130*			

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 EE40307 - Solvent Extraction (GC)										
Calibration Check (EE40307-CCV2)				Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	450		mg/kg	500		90.0	80-120			
Diesel Range Organics >C12-C35	533		"	500		107	80-120			
Total Hydrocarbon C6-C35	983		"	1000		98.3	80-120			
Surrogate: 1-Chlorooctane	*53.1*		"	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.0*		"	*50.0*		*114*	*70-130*			
Matrix Spike (EE40307-MS1)	**Source: 4D30019-01**			Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	431	10.0	mg/kg dry	505	ND	85.3	75-125			
Diesel Range Organics >C12-C35	528	10.0	"	505	ND	105	75-125			
Total Hydrocarbon C6-C35	959	10.0	"	1010	ND	95.0	75-125			
Surrogate: 1-Chlorooctane	*55.4*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.3*		"	*50.0*		*103*	*70-130*			
Matrix Spike (EE40307-MS2)	**Source: 4E03002-01**			Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	535	10.0	mg/kg dry	581	ND	92.1	75-125			
Diesel Range Organics >C12-C35	627	10.0	"	581	ND	108	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1160	ND	100	75-125			
Surrogate: 1-Chlorooctane	*56.2*		*mg/kg*	*50.0*		*112*	*70-130*			
Surrogate: 1-Chlorooctadecane	*61.3*		"	*50.0*		*123*	*70-130*			
Matrix Spike Dup (EE40307-MSD1)	**Source: 4D30019-01**			Prepared & Analyzed: 05/03/04						
Gasoline Range Organics C6-C12	440	10.0	mg/kg dry	505	ND	87.1	75-125	2.07	20	
Diesel Range Organics >C12-C35	543	10.0	"	505	ND	108	75-125	2.80	20	
Total Hydrocarbon C6-C35	983	10.0	"	1010	ND	97.3	75-125	2.47	20	
Surrogate: 1-Chlorooctane	*55.6*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.2*		"	*50.0*		*102*	*70-130*			
Matrix Spike Dup (EE40307-MSD2)	**Source: 4E03002-01**			Prepared: 05/03/04 Analyzed: 05/04/04						
Gasoline Range Organics C6-C12	495	10.0	mg/kg dry	581	ND	85.2	75-125	7.77	20	
Diesel Range Organics >C12-C35	609	10.0	"	581	ND	105	75-125	2.91	20	
Total Hydrocarbon C6-C35	1100	10.0	"	1160	ND	94.8	75-125	5.31	20	
Surrogate: 1-Chlorooctane	*58.9*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.1*		"	*50.0*		*128*	*70-130*			

Quality Assurance Review

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

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 EE40402 - % Solids										
Blank (EE40402-BLK1)				Prepared & Analyzed: 05/04/04						
% Solids	100		%							
Duplicate (EE40402-DUP1)		**Source: 4D30018-01**		Prepared & Analyzed: 05/04/04						
% Solids	98.0		%		97.0			1.03	20	

Quality Assurance Review

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40605 - EPA 5030C (GCMS)										
Blank (EE40605-BLK1)				Prepared & Analyzed: 05/05/04						
Benzene	ND	25.0	ug/kg wet							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
Xylene (p/m)	ND	25.0	"							
Xylene (o)	ND	25.0	"							
Surrogate: Dibromofluoromethane	*49.7*		*ug/l*	*50.0*		*99.4*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*37.8*		*"*	*50.0*		*75.6*	*52-149*			
Surrogate: Toluene-d8	*45.6*		*"*	*50.0*		*91.2*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*46.6*		*"*	*50.0*		*93.2*	*66-145*			
LCS (EE40605-BS1)				Prepared & Analyzed: 05/05/04						
Benzene	1350		ug/l	1250		108	70-130			
Toluene	1270		"	1250		102	70-130			
Ethylbenzene	1190		"	1250		95.2	70-130			
Xylene (p/m)	2220		"	2500		88.8	70-130			
Xylene (o)	1210		"	1250		96.8	70-130			
Surrogate: Dibromofluoromethane	*52.0*		*"*	*50.0*		*104*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*43.7*		*"*	*50.0*		*87.4*	*52-149*			
Surrogate: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*46.0*		*"*	*50.0*		*92.0*	*66-145*			
Calibration Check (EE40605-CCV1)				Prepared & Analyzed: 05/05/04						
Benzene	53.2		ug/l	50.0		106	70-130			
Toluene	48.1		"	50.0		96.2	70-130			
Ethylbenzene	47.3		"	50.0		94.6	70-130			
Xylene (p/m)	85.4		"	100		85.4	70-130			
Xylene (o)	48.2		"	50.0		96.4	70-130			
Surrogate: Dibromofluoromethane	*52.7*		*"*	*50.0*		*105*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*39.2*		*"*	*50.0*		*78.4*	*52-149*			
Surrogate: Toluene-d8	*46.7*		*"*	*50.0*		*93.4*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.8*	*66-145*			

Quality Assurance Review

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EE40605 - EPA 5030C (GCMS)										
Matrix Spike (EE40605-MS1)	**Source: 4E04005-11**			Prepared: 05/05/04		Analyzed: 05/06/04				
Benzene	1350		ug/l	1250	ND	108	70-130			
Toluene	1210		"	1250	ND	96.8	70-130			
Ethylbenzene	1240		"	1250	19.4	97.6	70-130			
Xylene (p/m)	2260		"	2500	ND	90.4	70-130			
Xylene (o)	1290		"	1250	146	91.5	70-130			
Surrogate: Dibromofluoromethane	*53.3*		"	*50.0*		*107*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*42.4*		"	*50.0*		*84.8*	*52-149*			
Surrogate: Toluene-d8	*45.5*		"	*50.0*		*91.0*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*49.9*		"	*50.0*		*99.8*	*66-145*			
Matrix Spike Dup (EE40605-MSD1)	**Source: 4E04005-11**			Prepared: 05/05/04		Analyzed: 05/06/04				
Benzene	1390		ug/l	1250	ND	111	70-130	2.74	20	
Toluene	1260		"	1250	ND	101	70-130	4.25	20	
Ethylbenzene	1260		"	1250	19.4	99.2	70-130	1.63	20	
Xylene (p/m)	2310		"	2500	ND	92.4	70-130	2.19	20	
Xylene (o)	1320		"	1250	146	93.9	70-130	2.59	20	
Surrogate: Dibromofluoromethane	*54.6*		"	*50.0*		*109*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*42.6*		"	*50.0*		*85.2*	*52-149*			
Surrogate: Toluene-d8	*46.8*		"	*50.0*		*93.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*51.0*		"	*50.0*		*102*	*66-145*			

Quality Assurance Review

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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

Quality Assurance Review

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

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-55

PROJECT NAME: Site #55

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: BTEX 8260	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
4/30/04	1210		✓		SS-1	1	✓		4D30018-01	
"	1212		✓		SS-2	1	✓		-02	
"	1214		✓		SS-3	1	✓		-03	
"	1216		✓		SS-4	1	✓		-04	
"	1218		✓		SS-5	1	✓	✓	-05	
"	1220		✓		Spoil	1	✓		-06	

SAMPLED BY: (Signature) Cindy Crain
DATE: 4/30/04
TIME: 1330

RELINQUISHED BY: (Signature)
DATE:
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

RELINQUISHED BY: (Signature) Cindy Crain
DATE: 4/30/04
TIME: 1648

RECEIVED BY: (Signature)
DATE:
TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: Env. Lab of TX
ADDRESS: 12600 W I-20 E
CITY: Odessa STATE: Tx ZIP: 79765
CONTACT: PHONE: 563-1800

RECEIVED BY: (Signature) Jane Mcmurry
DATE: 4-30-04 TIME: 1648

SAMPLE CONDITION WHEN RECEIVED: 2.5°C 4oz glass

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

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

Client: Larson + Associates

Date/Time: 04-30-04 @ 1700

Order #: 4D 30018

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	2.5 C
Shipping container/cooler in good condition?	Yes	No	N/A
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?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	(Yes)	No	
Container labels legible and intact?	(Yes)	No	
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #55

Project Number: 0-0100-55

Location: None Given

Lab Order Number: 4F15002

Report Date: 06/24/04

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	06/24/04 09:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6	4F15002-01	Soil	06/14/04 10:40	06/15/04 08:15
SS-7	4F15002-02	Soil	06/14/04 10:42	06/15/04 08:15
SS-8	4F15002-03	Soil	06/14/04 10:44	06/15/04 08:15
SS-9	4F15002-04	Soil	06/14/04 10:46	06/15/04 08:15

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

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	06/24/04 09:50

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4F15002-01) Soil									
Gasoline Range Organics C6-C12	**20.5**	10.0	mg/kg dry	1	EF41603	06/15/04	06/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1830**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1850**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*81.6 %*	*70-130*		"	"	"	"	
SS-7 (4F15002-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF41603	06/15/04	06/15/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*77.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*70.2 %*	*70-130*		"	"	"	"	
SS-8 (4F15002-03) Soil									
Gasoline Range Organics C6-C12	**J [9.83]**	10.0	mg/kg dry	1	EF41603	06/15/04	06/16/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**1890**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1890**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*80.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*77.2 %*	*70-130*		"	"	"	"	
SS-9 (4F15002-04) Soil									
Gasoline Range Organics C6-C12	**10.3**	10.0	mg/kg dry	1	EF41603	06/15/04	06/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	**668**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**678**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*79.6 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*80.0 %*	*70-130*		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4F15002-01) Soil									
% Solids	**97.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	
SS-7 (4F15002-02) Soil									
% Solids	**94.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	
SS-8 (4F15002-03) Soil									
% Solids	**99.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	
SS-9 (4F15002-04) Soil									
% Solids	**97.0**		%	1	EF41505	06/15/04	06/15/04	% calculation	

Volatile Organic Compounds by EPA Method 8260B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4F15002-01) Soil									
Benzene	ND	25.0	ug/kg dry	25	EF42402	06/22/04	06/22/04	EPA 8260B	
Toluene	ND	25.0	"	"	"	"	"	"	
Ethylbenzene	ND	25.0	"	"	"	"	"	"	
Xylene (p/m)	ND	25.0	"	"	"	"	"	"	
Xylene (o)	ND	25.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*70-139*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*78.6 %*	*52-149*		"	"	"	"	
Surrogate: Toluene-d8		*95.6 %*	*76-125*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*110 %*	*66-145*		"	"	"	"	

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

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 EF41603 - Solvent Extraction (GC)										
Blank (EF41603-BLK1)				Prepared & Analyzed: 06/15/04						
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	*38.3*		*mg/kg*	*50.0*		*76.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			
LCS (EF41603-BS1)				Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	524	10.0	"	500		105	75-125			
Total Hydrocarbon C6-C35	938	10.0	"	1000		93.8	75-125			
Surrogate: 1-Chlorooctane	*54.9*		*mg/kg*	*50.0*		*110*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.5*		*"*	*50.0*		*81.0*	*70-130*			
Calibration Check (EF41603-CCV1)				Prepared: 06/15/04 Analyzed: 06/16/04						
Gasoline Range Organics C6-C12	446		mg/kg	500		89.2	80-120			
Diesel Range Organics >C12-C35	539		"	500		108	80-120			
Total Hydrocarbon C6-C35	985		"	1000		98.5	80-120			
Surrogate: 1-Chlorooctane	*62.0*		*"*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.4*		*"*	*50.0*		*80.8*	*70-130*			
Matrix Spike (EF41603-MS1)	**Source: 4F15001-01**			Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	624	10.0	mg/kg dry	667	ND	93.6	75-125			
Diesel Range Organics >C12-C35	761	10.0	"	667	ND	114	75-125			
Total Hydrocarbon C6-C35	1380	10.0	"	1330	ND	104	75-125			
Surrogate: 1-Chlorooctane	*60.0*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.1*		*"*	*50.0*		*70.2*	*70-130*			
Matrix Spike Dup (EF41603-MSD1)	**Source: 4F15001-01**			Prepared & Analyzed: 06/15/04						
Gasoline Range Organics C6-C12	624	10.0	mg/kg dry	667	ND	93.6	75-125	0.00	20	
Diesel Range Organics >C12-C35	772	10.0	"	667	ND	116	75-125	1.44	20	
Total Hydrocarbon C6-C35	1400	10.0	"	1330	ND	105	75-125	1.44	20	
Surrogate: 1-Chlorooctane	*60.1*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.5*		*"*	*50.0*		*71.0*	*70-130*			

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

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 EF41505 - General Preparation (Prep)										
Blank (EF41505-BLK1)				Prepared & Analyzed: 06/15/04						
% Solids	100		%							
Duplicate (EF41505-DUP1)		**Source: 4F15001-01**		Prepared & Analyzed: 06/15/04						
% Solids	75.0		%		75.0			0.00	20	

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42402 - EPA 5030C (GCMS)										
Blank (EF42402-BLK1)				Prepared & Analyzed: 06/22/04						
Benzene	ND	25.0	ug/kg wet							
Toluene	ND	25.0	"							
Ethylbenzene	ND	25.0	"							
Xylene (p/m)	ND	25.0	"							
Xylene (o)	ND	25.0	"							
Surrogate: Dibromofluoromethane	*53.0*		*ug/l*	*50.0*		*106*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*38.6*		*"*	*50.0*		*77.2*	*52-149*			
Surrogate: Toluene-d8	*48.9*		*"*	*50.0*		*97.8*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*49.9*		*"*	*50.0*		*99.8*	*66-145*			
LCS (EF42402-BS1)				Prepared & Analyzed: 06/22/04						
Benzene	1370		ug/l	1250		110	70-130			
Toluene	1280		"	1250		102	70-130			
Ethylbenzene	1200		"	1250		96.0	70-130			
Xylene (p/m)	2210		"	2500		88.4	70-130			
Xylene (o)	1220		"	1250		97.6	70-130			
Surrogate: Dibromofluoromethane	*53.7*		*"*	*50.0*		*107*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*38.3*		*"*	*50.0*		*76.6*	*52-149*			
Surrogate: Toluene-d8	*49.4*		*"*	*50.0*		*98.8*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*47.5*		*"*	*50.0*		*95.0*	*66-145*			
Calibration Check (EF42402-CCV1)				Prepared & Analyzed: 06/22/04						
Benzene	58.3		ug/l	50.0		117	70-130			
Toluene	52.2		"	50.0		104	70-130			
Ethylbenzene	47.7		"	50.0		95.4	70-130			
Xylene (p/m)	84.8		"	100		84.8	70-130			
Xylene (o)	48.3		"	50.0		96.6	70-130			
Surrogate: Dibromofluoromethane	*55.2*		*"*	*50.0*		*110*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*38.3*		*"*	*50.0*		*76.6*	*52-149*			
Surrogate: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*49.6*		*"*	*50.0*		*99.2*	*66-145*			

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

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42402 - EPA 5030C (GCMS)										
Matrix Spike (EF42402-MS1)	**Source: 4F15002-01**			Prepared & Analyzed: 06/22/04						
Benzene	1380		ug/l	1250	ND	110	70-130			
Toluene	1310		"	1250	ND	105	70-130			
Ethylbenzene	1190		"	1250	ND	95.2	70-130			
Xylene (p/m)	2210		"	2500	ND	88.4	70-130			
Xylene (o)	1190		"	1250	ND	95.2	70-130			
Surrogate: Dibromofluoromethane	*49.5*		"	*50.0*		*99.0*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*40.4*		"	*50.0*		*80.8*	*52-149*			
Surrogate: Toluene-d8	*48.1*		"	*50.0*		*96.2*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*52.2*		"	*50.0*		*104*	*66-145*			
Matrix Spike Dup (EF42402-MSD1)	**Source: 4F15002-01**			Prepared & Analyzed: 06/22/04						
Benzene	1380		ug/l	1250	ND	110	70-130	0.00	20	
Toluene	1310		"	1250	ND	105	70-130	0.00	20	
Ethylbenzene	1230		"	1250	ND	98.4	70-130	3.31	20	
Xylene (p/m)	2250		"	2500	ND	90.0	70-130	1.79	20	
Xylene (o)	1220		"	1250	ND	97.6	70-130	2.49	20	
Surrogate: Dibromofluoromethane	*50.3*		"	*50.0*		*101*	*70-139*			
Surrogate: 1,2-Dichloroethane-d4	*40.6*		"	*50.0*		*81.2*	*52-149*			
Surrogate: Toluene-d8	*49.3*		"	*50.0*		*98.6*	*76-125*			
Surrogate: 4-Bromofluorobenzene	*53.5*		"	*50.0*		*107*	*66-145*			

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 6-24-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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

Client: Larson + Associates

Date/Time: 06-15-04 @ 0830

Order #: 4F15002

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	11.0 C
Shipping container/cooler in good condition?	Yes	No	N/A
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?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	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?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved? cool	(Yes)	No	should be 4°C
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-55

PROJECT NAME: Site # 55

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: BTEX 8260	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
6/14/04	1040		✓		SS-6	1	✓	✓	4F15002-01	
"	1042		✓		SS-7	1	✓		-02	
"	1044		✓		SS-8	1	✓		-03	
"	1046		✓		SS-9	1	✓		-04	

SAMPLED BY: (Signature) Cindy Crain — DATE: 6/14/04 TIME: 1046

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 6/15/04 TIME: 0815

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

RELINQUISHED BY: (Signature) — DATE: _____ TIME: _____

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

SAMPLE SHIPPED BY: (Circle)

FEDEX BUS AIRBILL #: _____

HAND DELIVERED UPS OTHER: _____

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: Env. Lab of Tx

ADDRESS: 12600 W I-20 E

CITY: Odessa STATE: Tx ZIP: 79765

CONTACT: _____ PHONE: 563-1800

RECEIVED BY: (Signature) Jeanne McMurrey

DATE: 6/15/04 TIME: 0815

SAMPLE CONDITION WHEN RECEIVED:

11.0°C Hourglass cool

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #55

Project Number: 0-0100-55

Location: None Given

Lab Order Number: 4G06001

Report Date: 07/07/04

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	07/07/04 16:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-10	4G06001-01	Soil	07/02/04 12:30	07/06/04 08:08
SS-11	4G06001-02	Soil	07/02/04 12:35	07/06/04 08:08

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

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-10 (4G06001-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EG40605	07/06/04	07/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*102 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*78.6 %*	*70-130*		"	"	"	"	
SS-11 (4G06001-02) Soil									
Benzene	**J [0.0193]**	0.0250	mg/kg dry	25	EG40704	07/06/04	07/07/04	EPA 8021B	J
Toluene	**0.112**	0.0250	"	"	"	"	"	"	
Ethylbenzene	**0.0918**	0.0250	"	"	"	"	"	"	
Xylene (p/m)	**0.540**	0.0250	"	"	"	"	"	"	
Xylene (o)	**0.147**	0.0250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.5 %*	*80-120*		"	"	"	"	
Gasoline Range Organics C6-C12	**550**	10.0	mg/kg dry	1	EG40605	07/06/04	07/06/04	EPA 8015M	
Diesel Range Organics >C12-C35	**7820**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**8370**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*112 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*177 %*	*70-130*		"	"	"	"	*S-04*

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-10 (4G06001-01) Soil									
% Solids	**85.0**		%	1	EG40622	07/02/04	07/02/04	% calculation	
SS-11 (4G06001-02) Soil									
% Solids	**93.0**		%	1	EG40622	07/02/04	07/02/04	% calculation	

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

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 EG40605 - Solvent Extraction (GC)										
Blank (EG40605-BLK1)				Prepared & Analyzed: 07/06/04						
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	*46.9*		*mg/kg*	*50.0*		*93.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.8*		*"*	*50.0*		*73.6*	*70-130*			
LCS (EG40605-BS1)				Prepared & Analyzed: 07/06/04						
Gasoline Range Organics C6-C12	443	10.0	mg/kg wet	500		88.6	75-125			
Diesel Range Organics >C12-C35	439	10.0	"	500		87.8	75-125			
Total Hydrocarbon C6-C35	882	10.0	"	1000		88.2	75-125			
Surrogate: 1-Chlorooctane	*58.4*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*40.2*		*"*	*50.0*		*80.4*	*70-130*			
Calibration Check (EG40605-CCV1)				Prepared & Analyzed: 07/06/04						
Gasoline Range Organics C6-C12	436		mg/kg	500		87.2	80-120			
Diesel Range Organics >C12-C35	541		"	500		108	80-120			
Total Hydrocarbon C6-C35	977		"	1000		97.7	80-120			
Surrogate: 1-Chlorooctane	*49.9*		*"*	*50.0*		*99.8*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.0*		*"*	*50.0*		*76.0*	*70-130*			
Matrix Spike (EG40605-MS1)	**Source: 4G02006-01**			Prepared & Analyzed: 07/06/04						
Gasoline Range Organics C6-C12	591	10.0	mg/kg dry	641	ND	92.2	75-125			
Diesel Range Organics >C12-C35	594	10.0	"	641	ND	92.7	75-125			
Total Hydrocarbon C6-C35	1190	10.0	"	1280	ND	93.0	75-125			
Surrogate: 1-Chlorooctane	*52.0*		*mg/kg*	*50.0*		*104*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.2*		*"*	*50.0*		*72.4*	*70-130*			
Matrix Spike Dup (EG40605-MSD1)	**Source: 4G02006-01**			Prepared & Analyzed: 07/06/04						
Gasoline Range Organics C6-C12	578	10.0	mg/kg dry	641	ND	90.2	75-125	2.22	20	
Diesel Range Organics >C12-C35	543	10.0	"	641	ND	84.7	75-125	8.97	20	
Total Hydrocarbon C6-C35	1120	10.0	"	1280	ND	87.5	75-125	6.06	20	
Surrogate: 1-Chlorooctane	*50.2*		*mg/kg*	*50.0*		*100*	*70-130*			
Surrogate: 1-Chlorooctadecane	*38.7*		*"*	*50.0*		*77.4*	*70-130*			

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 EG40704 - EPA 5030C (GC)										
Blank (EG40704-BLK1)				Prepared & Analyzed: 07/06/04						
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
Xylene (p/m)	ND	0.0250	"							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	*81.9*		*ug/kg*	*100*		*81.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*96.3*		*"*	*100*		*96.3*	*80-120*			
LCS (EG40704-BS1)				Prepared: 07/06/04 Analyzed: 07/07/04						
Benzene	82.8		ug/kg	100		82.8	80-120			
Toluene	86.3		"	100		86.3	80-120			
Ethylbenzene	88.7		"	100		88.7	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	90.9		"	100		90.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	*82.9*		*"*	*100*		*82.9*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*91.5*		*"*	*100*		*91.5*	*80-120*			
LCS Dup (EG40704-BSD1)				Prepared: 07/06/04 Analyzed: 07/07/04						
Benzene	83.2		ug/kg	100		83.2	80-120	0.482	20	
Toluene	83.6		"	100		83.6	80-120	3.18	20	
Ethylbenzene	83.2		"	100		83.2	80-120	6.40	20	
Xylene (p/m)	166		"	200		83.0	80-120	6.98	20	
Xylene (o)	88.6		"	100		88.6	80-120	2.56	20	
Surrogate: a,a,a-Trifluorotoluene	*80.3*		*"*	*100*		*80.3*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*95.8*		*"*	*100*		*95.8*	*80-120*			
Calibration Check (EG40704-CCV1)				Prepared: 07/06/04 Analyzed: 07/07/04						
Benzene	88.5		ug/kg	100		88.5	80-120			
Toluene	83.5		"	100		83.5	80-120			
Ethylbenzene	82.0		"	100		82.0	80-120			
Xylene (p/m)	163		"	200		81.5	80-120			
Xylene (o)	86.2		"	100		86.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*82.0*		*"*	*100*		*82.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*85.3*		*"*	*100*		*85.3*	*80-120*			

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 EG40622 - General Preparation (Prep)										
Blank (EG40622-BLK1)				Prepared & Analyzed: 07/02/04						
% Solids	100		%							
Duplicate (EG40622-DUP1)		**Source: 4G02002-01**		Prepared & Analyzed: 07/02/04						
% Solids	100		%		100			0.00	20	

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

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K Tuttle Date: 7-07-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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

Client: Larson + Associates

Date/Time: 07-06-04 @ 0830

Order #: 4G06001

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4.0 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?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	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?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

_____

_____

_____

Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

_____

_____

_____

_____

_____

_____

_____

_____

CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-55

PROJECT NAME: Site #55

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: BTEX 8021B	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
7/2/04	1230		✓		SS-10	1	✓		4G06001-01	
"	1235		✓		SS-11	1	✓	✓	↓ -02	

SAMPLED BY: (Signature) Cindy Crain — DATE: 7/2/04 TIME: 1235

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 7/6/04 TIME: 0730

RECEIVED BY: (Signature) — DATE: 7/6/04 TIME: 0730

RELINQUISHED BY: (Signature) — DATE: 7/6/04 TIME: 0803

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

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ECOT
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
CONTACT: _____ PHONE: _____

RECEIVED BY: (Signature)
DATE: 7-06-04 TIME: 0805

SAMPLE CONDITION WHEN RECEIVED: Rec 40°C

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #55

Project Number: 0-0100-55

Location: None Given

Lab Order Number: 4H11004

Report Date: 08/11/04

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	08/11/04 15:20

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-12	4H11004-01	Soil	08/10/04 13:00	08/11/04 08:10
Spoil	4H11004-02	Soil	08/10/04 13:05	08/11/04 08:10

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-12 (4H11004-01) Soil									
Gasoline Range Organics C6-C12	**J [25.2]**	50.0	mg/kg dry	5	EH41009	08/11/04	08/11/04	EPA 8015M	J
Diesel Range Organics >C12-C35	**9490**	50.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**9490**	50.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*22.0 %*	*70-130*		"	"	"	"	*S-06*
Surrogate: 1-Chlorooctadecane		*39.4 %*	*70-130*		"	"	"	"	*S-06*
Spoil (4H11004-02) Soil									
Gasoline Range Organics C6-C12	**30.6**	10.0	mg/kg dry	1	EH41009	08/11/04	08/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1980**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**2010**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*114 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*129 %*	*70-130*		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-12 (4H11004-01) Soil									
% Solids	**96.0**		%	1	EH41105	08/11/04	08/11/04	% calculation	
Spoil (4H11004-02) Soil									
% Solids	**93.0**		%	1	EH41105	08/11/04	08/11/04	% calculation	

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

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 EH41009 - Solvent Extraction (GC)										
Blank (EH41009-BLK1)				Prepared & Analyzed: 08/10/04						
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	*52.9*		*mg/kg*	*50.0*		*106*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.6*		*"*	*50.0*		*115*	*70-130*			
LCS (EH41009-BS1)				Prepared & Analyzed: 08/10/04						
Gasoline Range Organics C6-C12	505	10.0	mg/kg wet	500		101	75-125			
Diesel Range Organics >C12-C35	512	10.0	"	500		102	75-125			
Total Hydrocarbon C6-C35	1020	10.0	"	1000		102	75-125			
Surrogate: 1-Chlorooctane	*59.8*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.7*		*"*	*50.0*		*117*	*70-130*			
Calibration Check (EH41009-CCV1)				Prepared & Analyzed: 08/10/04						
Gasoline Range Organics C6-C12	527		mg/kg	500		105	80-120			
Diesel Range Organics >C12-C35	540		"	500		108	80-120			
Total Hydrocarbon C6-C35	1070		"	1000		107	80-120			
Surrogate: 1-Chlorooctane	*60.9*		*"*	*50.0*		*122*	*70-130*			
Surrogate: 1-Chlorooctadecane	*58.7*		*"*	*50.0*		*117*	*70-130*			
Matrix Spike (EH41009-MS1)	**Source: 4H10001-01**			Prepared & Analyzed: 08/10/04						
Gasoline Range Organics C6-C12	696	10.0	mg/kg dry	588	28.7	113	75-125			
Diesel Range Organics >C12-C35	715	10.0	"	588	59.5	111	75-125			
Total Hydrocarbon C6-C35	1410	10.0	"	1180	88.2	112	75-125			
Surrogate: 1-Chlorooctane	*58.6*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*64.3*		*"*	*50.0*		*129*	*70-130*			
Matrix Spike Dup (EH41009-MSD1)	**Source: 4H10001-01**			Prepared & Analyzed: 08/10/04						
Gasoline Range Organics C6-C12	714	10.0	mg/kg dry	588	28.7	117	75-125	2.55	20	
Diesel Range Organics >C12-C35	726	10.0	"	588	59.5	113	75-125	1.53	20	
Total Hydrocarbon C6-C35	1440	10.0	"	1180	88.2	115	75-125	2.11	20	
Surrogate: 1-Chlorooctane	*58.5*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*62.1*		*"*	*50.0*		*124*	*70-130*			

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

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 EH41105 - General Preparation (Prep)										
Blank (EH41105-BLK1)				Prepared & Analyzed: 08/10/04						
% Solids	100		%							
Duplicate (EH41105-DUP1)		**Source: 4H10001-01**		Prepared & Analyzed: 08/10/04						
% Solids	85.0		%		85.0			0.00	20	

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

Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Raland K. Tuttle Date: 8-11-04

Raland K. Tuttle, QA Officer
Celey D. Keene, Lab Director, Org. Tech Director
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sara Molina, Chemist
Sandra Biezugbe, Lab Tech.

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

Client: Larson + Associates

Date/Time: 08-11-04 @ 0845

Order #: 4H11004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	6.0 C
Shipping container/cooler in good condition?	Yes	No	N/A
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?	~~Yes~~	No	
Chain of Custody signed when relinquished and received?	~~Yes~~	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABELS - WRITTEN ON LID
Container labels legible and intact?	Yes	No	NO LABELS - WRITTEN ON LID
Sample Matrix and properties same as on chain of custody?	~~Yes~~	No	
Samples in proper container/bottle?	~~Yes~~	No	
Samples properly preserved?	~~Yes~~	No	
Sample bottles intact?	~~Yes~~	No	
Preservations documented on Chain of Custody?	~~Yes~~	No	
Containers documented on Chain of Custody?	~~Yes~~	No	
Sufficient sample amount for indicated test?	~~Yes~~	No	
All samples received within sufficient hold time?	~~Yes~~	No	
VOC samples have zero headspace?	~~Yes~~	No	Not Applicable

Other observations:

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Variance Documentation:

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

Regarding:

_____

_____

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Corrective Action Taken:

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CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-55

PROJECT NAME: Site #55

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
8/10/04	1300		✓		55-12	1	✓	4H11004-01	
"	1305		✓		Spoil	1	✓	↓ -02	

SAMPLED BY: (Signature) Cindy Crain — DATE: 8/10/04 TIME: 1305

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 8/11/04 TIME: 0810

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

RELINQUISHED BY: (Signature) — DATE: ____ TIME: ____

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

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: ELOT
ADDRESS: ____
CITY: Odessa STATE: TX ZIP: ____
CONTACT: ____ PHONE: ____

RECEIVED BY: (Signature) Joann McMurry
DATE: 08-11-04 TIME: 0810

SAMPLE CONDITION WHEN RECEIVED: 6.0°C on ice 4oz glass

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil

ENVIRONMENTAL LAB OF

12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Cindy Crain

Larson & Associates, Inc.

P.O. Box 50685

Midland, TX 79710

Project: Dynegy Site #55

Project Number: 0-0100-55

Location: None Given

Lab Order Number: 4I26003

Report Date: 09/30/04

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/30/04 15:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-13	4I26003-01	Soil	09/24/04 08:35	09/24/04 16:30

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

Larson & Associates, Inc.	Project: Dynegy Site #55	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-55	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	09/30/04 15:45

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-13 (4I26003-01) Soil									
Gasoline Range Organics C6-C12	**74.8**	10.0	mg/kg dry	1	EI42702	09/27/04	09/28/04	EPA 8015M	
Diesel Range Organics >C12-C35	**1630**	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	**1700**	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*125 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*124 %*	*70-130*		"	"	"	"	

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

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-13 (4I26003-01) Soil									
% Solids	**89.0**		%	1	EI42812	09/28/04	09/28/04	% calculation	

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 EI42702 - Solvent Extraction (GC)										
Blank (EI42702-BLK1)				Prepared & Analyzed: 09/27/04						
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	*51.5*		*mg/kg*	*50.0*		*103*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		*"*	*50.0*		*72.2*	*70-130*			
Blank (EI42702-BLK2)				Prepared: 09/27/04 Analyzed: 09/28/04						
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	*58.8*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.2*		*"*	*50.0*		*72.4*	*70-130*			
LCS (EI42702-BS1)				Prepared & Analyzed: 09/27/04						
Gasoline Range Organics C6-C12	467	10.0	mg/kg wet	500		93.4	75-125			
Diesel Range Organics >C12-C35	469	10.0	"	500		93.8	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1000		93.6	75-125			
Surrogate: 1-Chlorooctane	*58.6*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.6*		*"*	*50.0*		*79.2*	*70-130*			
LCS (EI42702-BS2)				Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	453	10.0	mg/kg wet	500		90.6	75-125			
Diesel Range Organics >C12-C35	543	10.0	"	500		109	75-125			
Total Hydrocarbon C6-C35	996	10.0	"	1000		99.6	75-125			
Surrogate: 1-Chlorooctane	*58.9*		*mg/kg*	*50.0*		*118*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.9*		*"*	*50.0*		*73.8*	*70-130*			
Calibration Check (EI42702-CCV1)				Prepared & Analyzed: 09/27/04						
Gasoline Range Organics C6-C12	499		mg/kg	500		99.8	80-120			
Diesel Range Organics >C12-C35	581		"	500		116	80-120			
Total Hydrocarbon C6-C35	1080		"	1000		108	80-120			
Surrogate: 1-Chlorooctane	*57.1*		*"*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.5*		*"*	*50.0*		*115*	*70-130*			

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 EI42702 - Solvent Extraction (GC)										
Calibration Check (EI42702-CCV2)				Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	461		mg/kg	500		92.2	80-120			
Diesel Range Organics >C12-C35	527		"	500		105	80-120			
Total Hydrocarbon C6-C35	988		"	1000		98.8	80-120			
Surrogate: 1-Chlorooctane	*57.4*		*"*	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*39.1*		*"*	*50.0*		*78.2*	*70-130*			
Matrix Spike (EI42702-MS1)	**Source: 4I26004-01**			Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125			
Diesel Range Organics >C12-C35	602	10.0	"	532	ND	113	75-125			
Total Hydrocarbon C6-C35	1120	10.0	"	1060	ND	106	75-125			
Surrogate: 1-Chlorooctane	*58.7*		*mg/kg*	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*57.0*		*"*	*50.0*		*114*	*70-130*			
Matrix Spike (EI42702-MS2)	**Source: 4I26005-04**			Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	555	10.0	mg/kg dry	575	ND	96.5	75-125			
Diesel Range Organics >C12-C35	607	10.0	"	575	ND	106	75-125			
Total Hydrocarbon C6-C35	1160	10.0	"	1150	ND	101	75-125			
Surrogate: 1-Chlorooctane	*60.2*		*mg/kg*	*50.0*		*120*	*70-130*			
Surrogate: 1-Chlorooctadecane	*36.1*		*"*	*50.0*		*72.2*	*70-130*			
Matrix Spike Dup (EI42702-MSD1)	**Source: 4I26004-01**			Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	521	10.0	mg/kg dry	532	ND	97.9	75-125	0.00	20	
Diesel Range Organics >C12-C35	570	10.0	"	532	ND	107	75-125	5.46	20	
Total Hydrocarbon C6-C35	1090	10.0	"	1060	ND	103	75-125	2.71	20	
Surrogate: 1-Chlorooctane	*57.2*		*mg/kg*	*50.0*		*114*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.5*		*"*	*50.0*		*107*	*70-130*			
Matrix Spike Dup (EI42702-MSD2)	**Source: 4I26005-04**			Prepared: 09/27/04 Analyzed: 09/28/04						
Gasoline Range Organics C6-C12	552	10.0	mg/kg dry	575	ND	96.0	75-125	0.542	20	
Diesel Range Organics >C12-C35	621	10.0	"	575	ND	108	75-125	2.28	20	
Total Hydrocarbon C6-C35	1170	10.0	"	1150	ND	102	75-125	0.858	20	
Surrogate: 1-Chlorooctane	*62.0*		*mg/kg*	*50.0*		*124*	*70-130*			
Surrogate: 1-Chlorooctadecane	*35.8*		*"*	*50.0*		*71.6*	*70-130*			

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 EI42812 - % Solids										
Blank (EI42812-BLK1)				Prepared & Analyzed: 09/28/04						
% Solids	100		%							
Duplicate (EI42812-DUP1)		**Source: 4I24018-01**		Prepared & Analyzed: 09/28/04						
% Solids	98.0		%		98.0			0.00	20	

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

Notes and Definitions

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
LCS	Laboratory Control Spike
MS	Matrix Spike
Dup	Duplicate

Report Approved By: Celey D. Keene Date: 09/30/04

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Biezugbe, Lab Tech.

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

Client: Larson + Associates

Date/Time: 09-26-04 @ 1400

Order #: 4I26003

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4.0 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?	(Yes)	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	NO LABELS - WRITTEN ON LID
Container labels legible and intact?	Yes	No	NO LABELS - WRITTEN ON LID
Sample Matrix and properties same as on chain of custody?	(Yes)	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	(Yes)	No	
Sample bottles intact?	(Yes)	No	
Preservations documented on Chain of Custody?	(Yes)	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	(Yes)	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

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Variance Documentation:

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

Regarding:

_____

_____

_____

Corrective Action Taken:

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CHAIN—OF—CUSTODY RECORD

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

CLIENT NAME: Dynegy

SITE MANAGER: Cindy Crain

PROJECT NO.: 0-0100-55

PROJECT NAME: Site #55

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
9/24/04	0835		✓		55-13	1	✓	412600301	

SAMPLED BY: (Signature) Cindy Crain
DATE: 9/24/04
TIME: 0835

RELINQUISHED BY: (Signature) Cindy Crain
DATE: 9/24/04
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

RELINQUISHED BY: (Signature)
DATE:
TIME:

RECEIVED BY: (Signature)
DATE:
TIME:

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

COMMENTS:

TURNAROUND TIME NEEDED

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

RECEIVING LABORATORY: Env. Lab of Texas
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:

RECEIVED BY: (Signature) Roland K Tuo
DATE: 9-24-04 TIME: 1630

SAMPLE CONDITION WHEN RECEIVED: Rec 4.0°C

LA CONTACT PERSON: C. Crain

SAMPLE TYPE: Soil