1R - 430

REPORTS

DATE:

12/16/2004

Larson & Associates, Inc.
Environmental Consultants

December 16, 2004

Mr. Paul Sheeley
Environmental Engineer
Oil Conservation Division
New Mexico Energy, Minerals and Natural Resources Department
1625 N. French Drive
Hobbs, New Mexico 88240

Re: Groundwater Investigation Report, 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. Sheeley:

A Groundwater Investigation Workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) on August 20, 2004, for installation and sampling of one (1) monitoring well at the Dynegy Midstream Services, L.P. (Dynegy) Spill Site #26, 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. An Addendum to the Groundwater Investigation Workplan, specifying parameters for laboratory analysis of groundwater samples collected from the proposed monitoring well, was submitted to the NMOCD on September 14, 2004.

The NMOCD granted approval of the Workplan Addendum on October 5, 2004, with the condition that a draft of the clay barrier installed at Site #26, be included with the Groundwater Investigation Report. Figure 1 shows the site location. Figure 2 shows details of the Site #26 excavation and backfill, including the locations of compaction test data of the clay barrier. The compaction tests were performed by Pettigrew and Associates, P.A., of Hobbs, New Mexico. Figure 3 shows the requested draft of the clay barrier, installed as described in the Groundwater Investigation Workplan dated August 20, 2004. Appendix A provides a copy of the Laboratory Test Report of soil density testing.

Current Investigation

On November 8, 2004, one (1) temporary monitoring well (MW-1) was installed at Site #26, following NMOCD verification of the location. The well was drilled to a depth of approximately 130 feet below ground surface (bgs) by Scarborough Drilling of Lamesa, Texas, using an air rotary drilling rig. Soil samples were collected using a split spoon sampler, at five (5) foot intervals from a depth of approximately five (5) feet bgs to a depth of approximately 70 feet bgs, with the exception of the 50 to 51 foot interval, where no recovery was made. Sample collection was also attempted at depths of approximately 80 feet bgs and 90 feet bgs; however, no recovery was made due to the looseness of the sand at those depths. Because of the large thickness of sand encountered from approximately 47 feet bgs to a total depth of approximately 130 bgs, water was introduced to the drilling process beginning at a depth of approximately 90 feet bgs to facilitate removal of the drill cuttings. The drill cuttings were placed on the ground adjacent to the monitoring well. Figure 2 shows the location of the monitoring well (MW-1).

The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest and hand delivered to Environmental Lab of Texas (ELOT), in Odessa, Texas, for laboratory analysis. A duplicate of each sample was also placed in a clean glass sample jar for headspace analysis. The headspace jars were filled approximately ¾ full, and a layer of aluminum foil was placed over the opening of the jar before replacing the

cap. The headspace samples were allowed to reach ambient temperature before a RAE Instruments, Model 2000 photoionization detector (PID) was used to measure the concentration of organic vapors in the headspace (through the aluminum foil), and the concentration of organic vapors was displayed by the instrument in parts per million (ppm). The PID was calibrated to 100.1 ppm isobutylene prior to obtaining sample readings.

The maximum PID measurement of samples from the monitoring well was 0.4 ppm, encountered at a depth of 35 to 36 feet bgs; therefore, no soil samples were analyzed for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX). Soil samples were analyzed for total petroleum hydrocarbons (TPH) by EPA method SW-846-8015M, including gasoline range organics (GRO) and diesel range organics (DRO), and chloride by EPA method SW-846-9253. Table 1 provides a summary of the laboratory analyses. Appendix B provides the well log, with PID readings graphically displayed. Appendix C presents the laboratory data and chain of custody documentation. Appendix D presents the Release Notification and Corrective Action Form C-141.

Referring to Table 1, all samples reported TPH concentrations below the test method detection limit. A maximum chloride concentration of 117.0 milligrams per kilogram (mg/kg) was reported in the sample collected from 35 tp 36 feet bgs.

The temporary monitoring well was constructed with a threaded 2-inch schedule 40 PVC well screen and riser. The well screen, approximately 20 feet in length, was placed above and below the groundwater level observed at the windmill located approximately 1,000 feet east of Site #26. Graded silica sand was placed around the well screen to approximately three feet above the screen. Approximately three feet of bentonite chips was placed above the sand, and hydrated with potable water. The remainder of the annulus remains vacant, pending abandonment of the monitoring well. An electric submersible pump was used to develop the wells until groundwater was visibly clear of sediment.

Groundwater Monitoring

On November 12, 2004, groundwater sampling was conducted at monitoring well MW-1. Depth to groundwater was measured, and approximately 20 gallons of water was purged from the well prior to obtaining samples for laboratory analysis. Groundwater samples were collected using a dedicated disposable polyethylene bailer, carefully poured into laboratory prepared containers, labeled, chilled in an ice chest, and hand delivered to ELOT for analysis of organics by EPA method 8021B, alkalinity by EPA method 310.2M, chloride by EPA method 325.3M, total dissolved solids (TDS) by EPA method 160.1, sulfate by EPA method 375.4, total dissolved metals by EPA methods 6010B and 7470A, and semi-volatile organics by EPA method 8270C. Table 2 presents a summary of the organics analysis of the groundwater. Table 3 presents a summary of the general chemistry and semi-volatile analysis of the groundwater. Table 4 presents a summary of the metals analysis of the groundwater. The depth to groundwater measurement is presented on the well log in Appendix B. Appendix C presents the laboratory data and chain of custody documentation.

Referring to Table 2, all organic compounds were reported below the test method detection limit. Referring to Table 3, semi-volatile constituents were reported below the test method detection limit, with the exception of Bis(2-ethylhexyl)phthalate (0.0149 ug/L). The New Mexico Water Quality Control Commission (NMWQCC) does not have a human health for Bis(2-ethylhexyl)phthalate, which is likely attributed to the plastic well material or laboratory conditions. Chloride was reported at 2,200 miligrams per liter (mg/L) and TDS was reported at 3,900 mg/L. The chloride and total TDS exceed the NMWQCC domestic water quality standard of

250 milligrams per liter (mg/L) and 1,000 mg/L, respectively. Soil samples collected from two (2) borings drilled at the leak area and the excavation reported chloride concentrations decreasing near or below the water quality standard. Soil data is included in the Pipeline Spill Remediation Workplan dated April 29, 2004. Referring to Table 4, all metals in groundwater were reported below the NMWQCC standards.

Proposal

Dynegy proposes that the monitoring well MW-1 be plugged and abandoned according to New Mexico state guidelines, and Site #26 be considered closed. If you should have any questions, please contact Mr. Cal Wrangham with Dynegy at (432) 688-0542 or myself at (432) 687-0901. I can also be reached by e-mail at Cindy@laenvironmental.com.

Sincerely,
Larson & Associates, Inc.

Cindy K. Crain, CPG
Project Manager

CC: Mr. Cal Wrangham, Dynegy
Mr. Dave Harris, Dynegy
Mr. Wayne Price, NMOCD

TABLES

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

Well Number	Sample Date	Sample Depth (feet BGS)	PID (ppm)	GRO C6-C12 mg/kg	DRO >C12-C35 mg/kg	TPH (C6-C35) mg/kg	Chloride mg/kg
RRAL						100	250
MW-1	11/08/04	5-7	0	<10	<10	<20	<20
	11/08/04	10-12	0	<10	<10	<20	<20
	11/08/04	15-16	0	<10	<10	<20	<20
	11/08/04	20-21	0	<10	<10	<20	63.8
	11/08/04	25-26	0	<10	<10	<20	53.2
	11/08/04	30-31	0.1	<10	<10	<20	74.4
	11/08/04	35-36	0.4	<10	<10	<20	117.0
	11/08/04	40-41	0.3	<10	<10	<20	53.2
	11/08/04	45-46	0.2	<10	<10	<20	42.5
	11/08/04	55-56	0	<10	<10	<20	<20
	11/08/04	60-61	0.1	<10	<10	<20	<20
	11/08/04	65-66	0.1	<10	<10	<20	<20
	11/08/04	70-71	0.2	<10	<10	<20	<20

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

1. BGS: Depth in feet below ground surface
2. PID: Photoionization detector
3. ppm: Parts per million
4. GRO: Gasoline-range organics
5. DRO: Diesel-range organics
6. TPH: Total petroleum hydrocarbons (Sum of GRO + DRO)
7. mg/kg Milligrams per kilogram
8. <: Below method detection limit

Table 2: Summary of Organics Analysis of Groundwater 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

Well Number	Sample Date	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Xylene mg/L	GRO C6-C12 mg/L	DRO >C12-C35 mg/L	Total Hydrocarbon C6-C35 mg/L
NMWQCC Standard		0.01	0.75	0.75	0.62			
MW-1	11/12/04	<0.001	<0.001	<0.001	<0.001	<0.360	<0.360	<0.360

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

1. NMWQCC New Mexico Water Quality Control Commission
2. mg/L Milligrams per liter
3. <: Below method detection limit
4. GRO Gasoline Range Organics
5. DRO Diesel Range Organics

Table 3: Summary of General Chemistry and Semi-volatile Analysis of Groundwater 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

Well Number	Sample Date	Total Alkalinity mg/L	Chloride mg/L	Total Dissolved Solids mg/L	Sulfate mg/L	Bis(2-ethylhexyl)phthalate ug/L
NMWQCC Standard			**250**	**1,000**	**600**	
MW-1	11/12/04	156	2,200	3,900	519	0.0149

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

1. NMWQCC New Mexico Water Quality Control Commission
2. mg/L Milligrams per liter
3. ug/L: Micrograms per liter

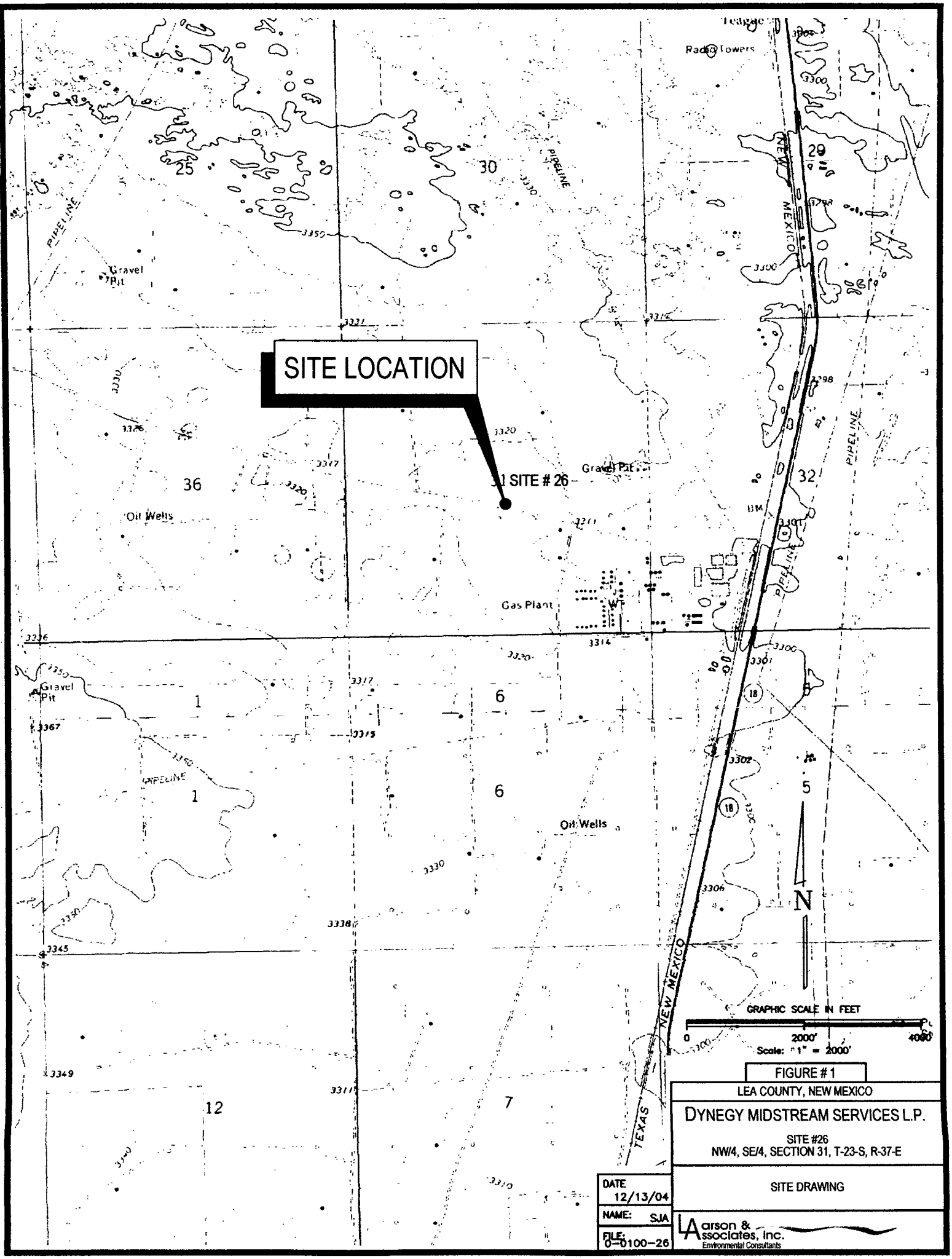
Table 4: Summary of Metals Analysis of Groundwater Sample
Dynegy Midstream Services, L. P., Spill Site No. 26
NW/4, SE/4, Section 31, Township 23 South, Range 37 East
Lea County, New Mexico

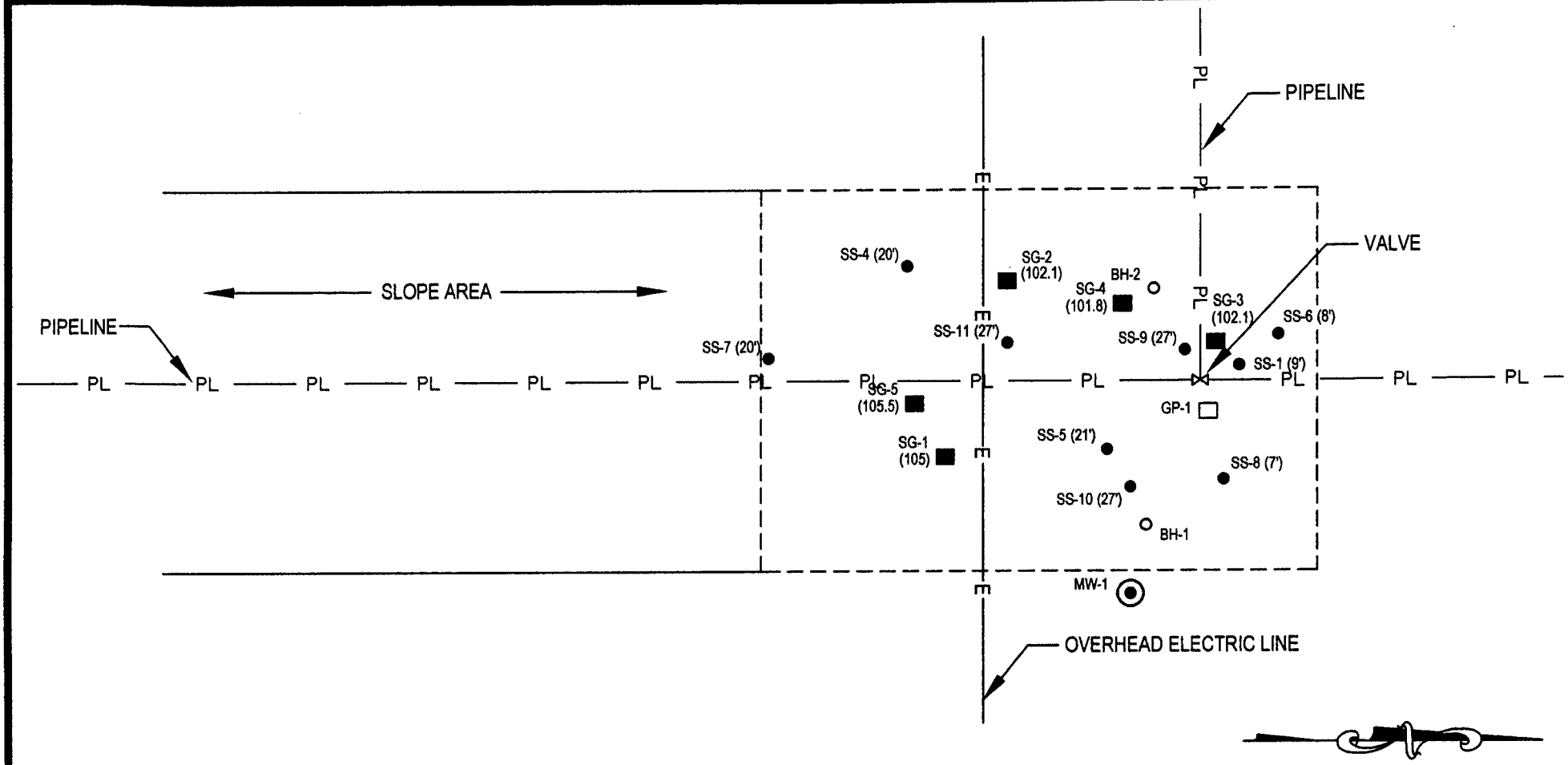
Well Number	Sample Date	Silver mg/L	Arsenic mg/L	Barium mg/L	Calcium mg/L	Magnesium mg/L	Potassium mg/L	Sodium mg/L	Cadmium mg/L	Chromium mg/L	Mercury mg/L	Lead mg/L	Selenium mg/L
NMWQ Standard		0.05	0.1	1					0.01	0.05	0.002	0.05	0.05
MW-1	11/12/04	0.0399	0.0135	0.206	102	42.4	38.1	1,180	0.0009	0.0041	<0.0005	0.0067	0.0093

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

1. NMWQ — New Mexico Water Quality Control Commission
2. mg/L — Milligrams per liter
3. <: — Below method detection limit

FIGURES


SITE LOCATION
SITE # 26
Radio Towers
Gravel Pit
Oil Wells
Gas Plant
PIPELINE
NEW MEXICO
TEXAS
GRAPHIC SCALE IN FEET
0
2000'
4000
Scale: 1" = 2000'
N
FIGURE # 1
LEA COUNTY, NEW MEXICO
DYNEGY MIDSTREAM SERVICES L.P.
SITE #26
NW/4, SE/4, SECTION 31, T-23-S, R-37-E
SITE DRAWING
DATE 12/13/04
NAME: SJA
FILE: 0-0100-26
Larson & Associates, Inc.
Environmental Consultants



LEGEND

- SS-1 - SOIL SAMPLE LOCATION, WITH DEPTH
- BH-1 - SOIL BORING LOCATION (8/13 AND 8/14/02)
- GP-1 - SOIL BORING LOCATION (3/2/04)
- MW-1 - MONITORING WELL LOCATION
- - - - EXCAVATION BOUNDARY
- ——— RAMP AREA
- SG-1 (105) - COMPACTION TEST POINTS WITH DENSITY (% MAXIMUM)

GRAPHIC SCALE IN FEET

0' 10' 20' 30'

1" = 20'

FIGURE #2

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

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

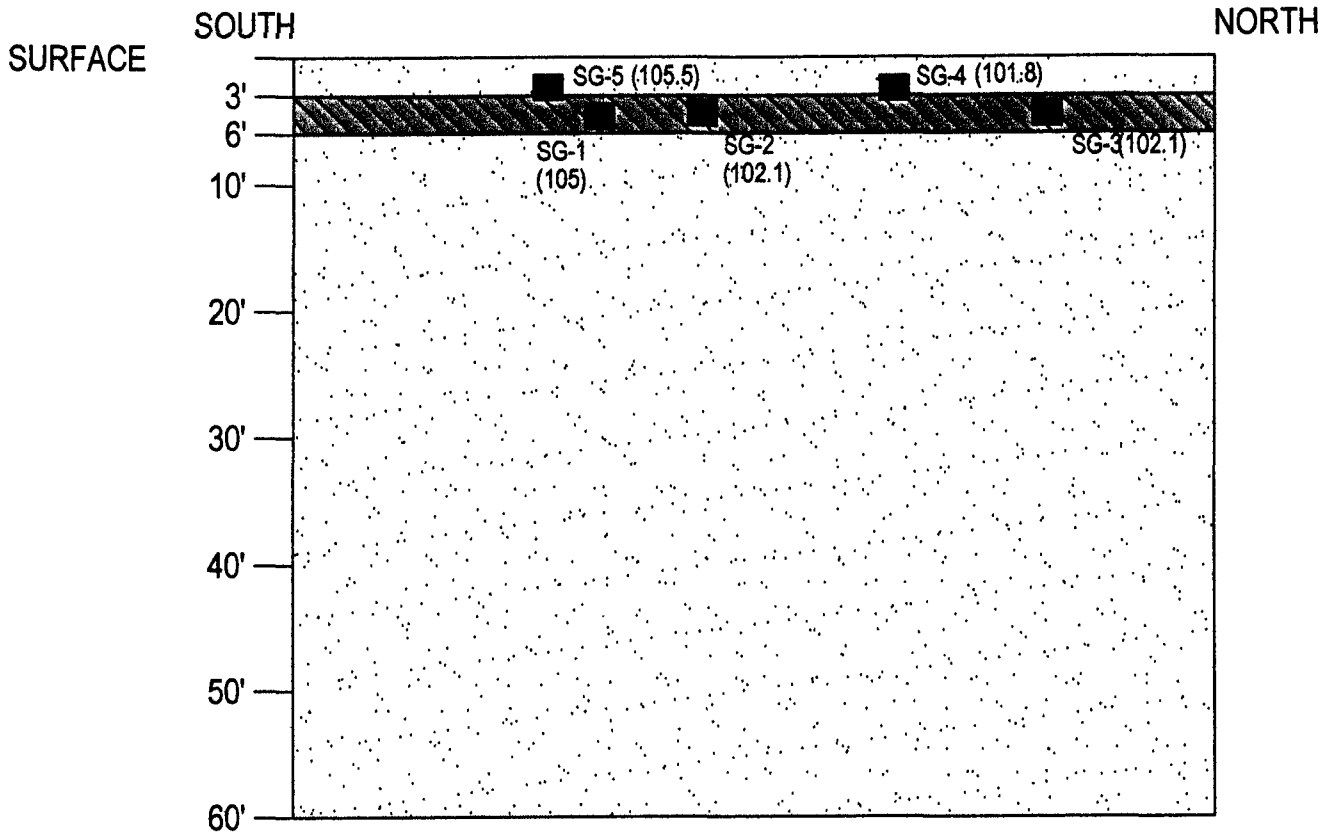
MONITORING WELL LOCATION

DATE 12/13/04

NAME: SJA

FILE: 0-0100-26

Larson & Associates, Inc.
Environmental Consultants



LEGEND

SG-1 (105) ■ - COMPACTION TEST POINTS WITH DRY DENSITY (% MAXIMUM)

- SAND

- CLAY

GRAPHIC SCALE IN FEET

0 15' 30'

Scale: 1" = 15'

FIGURE # 3

LEA COUNTY, NEW MEXICO

DYNEGY MIDSTREAM SERVICES L.P.

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

BACKFILL DETAILS

DATE 12/13/04

NAME: SJA

FILE: 0-0100-26

Larson & Associates, Inc.
Environmental Consultants

APPENDIX A

LABORATORY TEST REPORT

PROCTOR DENSITY

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

LABORATORY TEST REPORT

PETTIGREW & ASSOCIATES, P.A.

1110 N. GRIMES
HOBBS, NM 88240
(505) 393-9827

DEBRA P. HICKS, P.E./L.S.I.
WILLIAM M. HICKS. III, P.E./P.S.

AASHTO R18

To: Larson & Associates
507 N. Marienseld Suite 202
Midland, TX 79701

Material: Red Clay

Test Method: ASTM: D 2922

Project: Kelly Myers Site
Project # 0-0100-26

Date of Test: June 17, 2004

Depth: See Below

Test No.	Location	Dry Density % Maximum	% Moisture	Depth
SG-1	Pit - 25' N. & 15' W. of the SE Corner	105.0	15.2	2' Below Finished Subgrade
SG-2	Pit - 30' N. & 50' W. of the SE Corner	102.1	17.4	1' Below Finished Subgrade
SG-3	Pit - 15' S. & 20' E. of the NW Corner	102.1	13.8	1' Below Finished Subgrade
SG-4	Pit - 25' S. & 15' E. of the NW Corner	101.8	13.8	Finished Subgrade
SG-5	Pit - 20' N. & 20' E. of the SW Corner	105.5	12.7	Finished Subgrade

Control Density: 109.5
ASTM: D 698

Optimum Moisture: 16.6%

Required Compaction: 95%

Lab No.: 04 7004-7011

Copies To: Larson

PETTIGREW & ASSOCIATES

BY: [signature] SFE.T.

APPENDIX B

WELL LOG

Client: Dynegy Midstream Services, L.P.

Project: Site #26

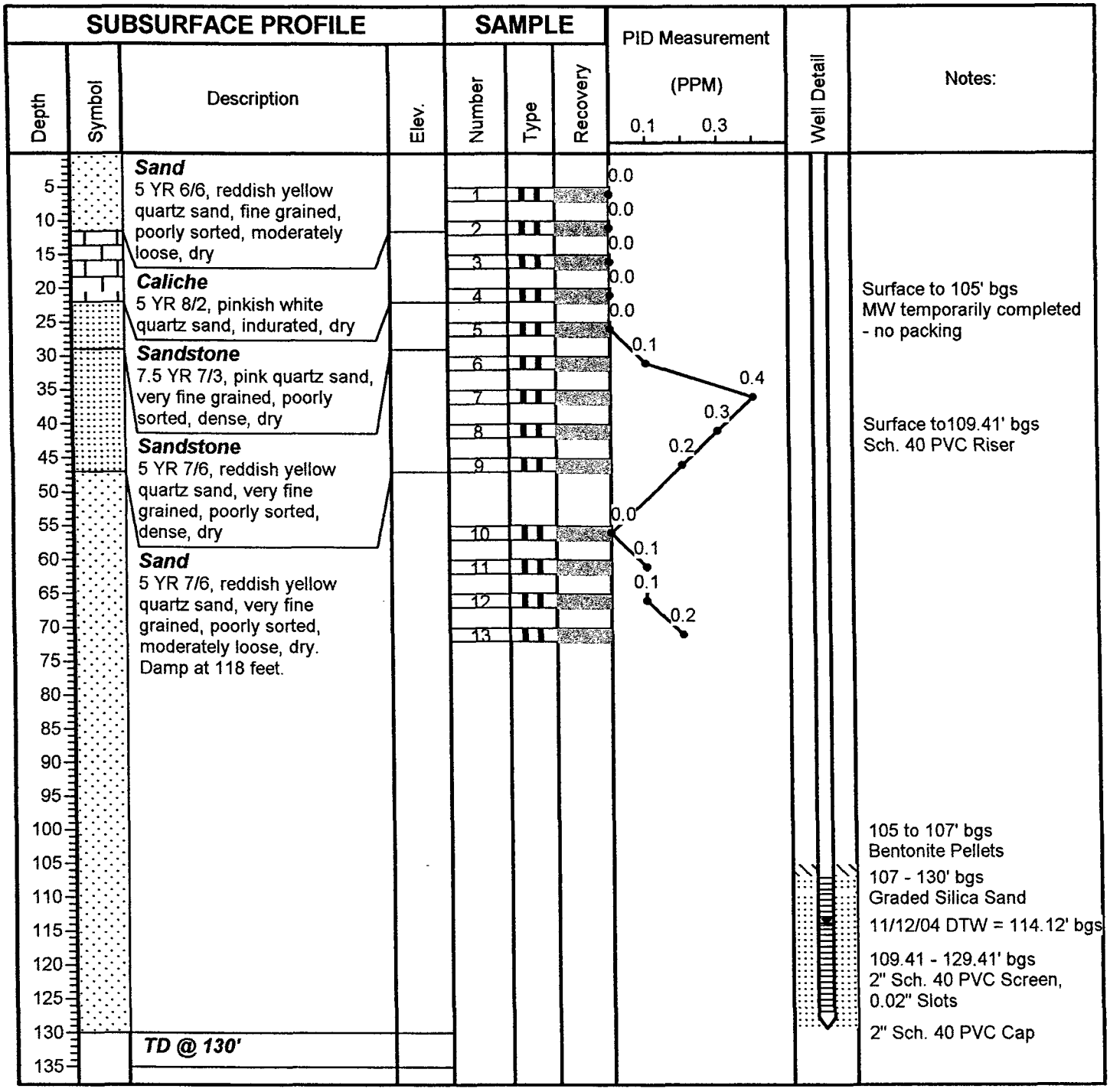
Project No: 0-0100-26

Location: NW/4, SE/4, Sec. 31, T23S, R37E, Lea Co., NM

Log: MW-1

Geologist: Cindy K. Crain

Page: 1 of 1



Drilling Method: Air Rotary

Date Drilled: 11/8/04

Well Size: 2"

Larson and Associates, Inc.
507 North Marienfeld St., Ste. 202
Midland, Texas 79701
(432) 687-0901

TOC Elevation: NA

Checked by: CKC

Drilled by: Scarborough Drilling

APPENDIX C

LABORATORY ANALYSIS 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 #26

Project Number: 0-0100-26

Location: None Given

Lab Order Number: 4K10016

Report Date: 11/12/04

Larson & Associates, Inc.	Project: Dynegy Site #26	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-26	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:03

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1 (5-7')	4K10016-01	Soil	11/08/04 10:00	11/10/04 16:00
MW-1 (10-12')	4K10016-02	Soil	11/08/04 10:17	11/10/04 16:00
MW-1 (15-16')	4K10016-03	Soil	11/08/04 10:25	11/10/04 16:00
MW-1 (20-21')	4K10016-04	Soil	11/08/04 10:34	11/10/04 16:00
MW-1 (25-26')	4K10016-05	Soil	11/08/04 10:44	11/10/04 16:00
MW-1 (30-31')	4K10016-06	Soil	11/08/04 10:49	11/10/04 16:00
MW-1 (35-36')	4K10016-07	Soil	11/08/04 11:00	11/10/04 16:00
MW-1 (40-41')	4K10016-08	Soil	11/08/04 11:08	11/10/04 16:00
MW-1 (45-46')	4K10016-09	Soil	11/08/04 11:16	11/10/04 16:00
MW-1 (55-56')	4K10016-10	Soil	11/08/04 11:35	11/10/04 16:00
MW-1 (60-61')	4K10016-11	Soil	11/08/04 11:46	11/10/04 16:00
MW-1 (65-66')	4K10016-12	Soil	11/08/04 12:35	11/10/04 16:00
MW-1 (70-71')	4K10016-13	Soil	11/08/04 12:46	11/10/04 16:00

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
MW-1 (10-12') (4K10016-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
MW-1 (20-21') (4K10016-04) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*100 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*117 %*	*70-130*		"	"	"	"	
MW-1 (30-31') (4K10016-06) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*103 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*119 %*	*70-130*		"	"	"	"	
MW-1 (40-41') (4K10016-08) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*95.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*108 %*	*70-130*		"	"	"	"	
MW-1 (45-46') (4K10016-09) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.0 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*103 %*	*70-130*		"	"	"	"	

Larson & Associates, Inc.	Project: Dynegy Site #26	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-26	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:03

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (60-61') (4K10016-11) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*91.8 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*105 %*	*70-130*		"	"	"	"	
MW-1 (70-71') (4K10016-13) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EK41006	11/10/04	11/11/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	10.0	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*	*70-130*		"	"	"	"	
Surrogate: 1-Chlorooctadecane		*101 %*	*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
MW-1 (5-7') (4K10016-01) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (10-12') (4K10016-02) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**8.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
MW-1 (15-16') (4K10016-03) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (20-21') (4K10016-04) Soil									
Chloride	**63.8**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**4.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
MW-1 (25-26') (4K10016-05) Soil									
Chloride	**53.2**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (30-31') (4K10016-06) Soil									
Chloride	**74.4**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**4.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
MW-1 (35-36') (4K10016-07) Soil									
Chloride	**117**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (40-41') (4K10016-08) Soil									
Chloride	**53.2**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**3.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
MW-1 (45-46') (4K10016-09) Soil									
Chloride	**42.5**	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**1.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	

Larson & Associates, Inc.	Project: Dynegy Site #26	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-26	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	11/12/04 16:03

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (55-56') (4K10016-10) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (60-61') (4K10016-11) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**4.0**		%	1	EK41101	11/10/04	11/11/04	% calculation	
MW-1 (65-66') (4K10016-12) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
MW-1 (70-71') (4K10016-13) Soil									
Chloride	ND	20.0	mg/kg Wet	2	EK41210	11/10/04	11/11/04	SW 846 9253	
% Moisture	**3.0**		%	1	EK41101	11/10/04	11/11/04	% 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 EK41006 - Solvent Extraction (GC)										
Blank (EK41006-BLK1)				Prepared: 11/10/04 Analyzed: 11/11/04						
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	*44.6*		*"*	*50.0*		*89.2*	*70-130*			
LCS (EK41006-BS1)				Prepared: 11/10/04 Analyzed: 11/11/04						
Gasoline Range Organics C6-C12	422	10.0	mg/kg wet	500		84.4	75-125			
Diesel Range Organics >C12-C35	471	10.0	"	500		94.2	75-125			
Total Hydrocarbon C6-C35	893	10.0	"	1000		89.3	75-125			
Surrogate: 1-Chlorooctane	*46.3*		*mg/kg*	*50.0*		*92.6*	*70-130*			
Surrogate: 1-Chlorooctadecane	*45.6*		*"*	*50.0*		*91.2*	*70-130*			
Calibration Check (EK41006-CCV1)				Prepared: 11/10/04 Analyzed: 11/11/04						
Gasoline Range Organics C6-C12	503		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	564		"	500		113	80-120			
Total Hydrocarbon C6-C35	1070		"	1000		107	80-120			
Surrogate: 1-Chlorooctane	*51.2*		*"*	*50.0*		*102*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.2*		*"*	*50.0*		*108*	*70-130*			
Matrix Spike (EK41006-MS1)	**Source: 4K10009-02**			Prepared: 11/10/04 Analyzed: 11/11/04						
Gasoline Range Organics C6-C12	522	10.0	mg/kg dry	521	ND	100	75-125			
Diesel Range Organics >C12-C35	586	10.0	"	521	ND	112	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1040	ND	107	75-125			
Surrogate: 1-Chlorooctane	*55.6*		*mg/kg*	*50.0*		*111*	*70-130*			
Surrogate: 1-Chlorooctadecane	*51.8*		*"*	*50.0*		*104*	*70-130*			
Matrix Spike Dup (EK41006-MSD1)	**Source: 4K10009-02**			Prepared: 11/10/04 Analyzed: 11/11/04						
Gasoline Range Organics C6-C12	538	10.0	mg/kg dry	521	ND	103	75-125	3.02	20	
Diesel Range Organics >C12-C35	595	10.0	"	521	ND	114	75-125	1.52	20	
Total Hydrocarbon C6-C35	1130	10.0	"	1040	ND	109	75-125	1.79	20	
Surrogate: 1-Chlorooctane	*58.2*		*mg/kg*	*50.0*		*116*	*70-130*			
Surrogate: 1-Chlorooctadecane	*59.9*		*"*	*50.0*		*120*	*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 EK41101 - General Preparation (Prep)										
Blank (EK41101-BLK1)				Prepared: 11/10/04 Analyzed: 11/11/04						
% Moisture	0.0		%							
Duplicate (EK41101-DUP1)		**Source: 4K10004-01**		Prepared: 11/10/04 Analyzed: 11/11/04						
% Moisture	7.0		%		7.0			0.00	20	
Batch EK41210 - Water Extraction										
Blank (EK41210-BLK1)				Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	ND	20.0	mg/kg Wet							
Matrix Spike (EK41210-MS1)		**Source: 4K10010-01**		Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	1060	20.0	mg/kg Wet	500	510	110	80-120			
Matrix Spike Dup (EK41210-MSD1)		**Source: 4K10010-01**		Prepared: 11/10/04 Analyzed: 11/11/04						
Chloride	1040	20.0	mg/kg Wet	500	510	106	80-120	1.90	20	
Reference (EK41210-SRM1)				Prepared & Analyzed: 11/11/04						
Chloride	5050	10.0	mg/kg Wet	5000		101	80-120			

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: Raland K. Tuttle Date: 11-15-04

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 Sanchez, Lab Tech.

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

Client: Larson + Associates

Date/Time: 11-10-04 @ 1630

Order #: 4K10016

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 N/A
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 Label - written on lid
Container labels legible and intact?	Yes	No	No Label - 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:

Variance Documentation:

Contact Person: - Date/Time: Contacted by:

Regarding:

Corrective Action Taken:

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.: 0-0100-26

PROJECT NAME: Site #26

PAGE 1 OF 1

LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: TPH 8015M	PARAMETERS/METHOD NUMBER: Chloride	PARAMETERS/METHOD NUMBER: Hold	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
11/8/04	1010		✓		MW-1 (5-7')	1		✓	✓	41K1006-01	
"	1017		✓		" (10-12')	1	✓	✓	All	-02	
"	1025		✓		" (15-16')	1		✓		-03	
"	1034		✓		" (20-21')	1	✓	✓		-04	
"	1044		✓		" (25-26')	1		✓		-05	
"	1049		✓		" (30-31')	1	✓	✓		-06	
"	1100		✓		" (35-36')	1		✓		-07	
"	1108		✓		" (40-41')	1	✓	✓		-08	
"	1116		✓		" (45-46')	1	✓	✓		-09	
"	1135		✓		" ~~(55-56')~~	1		✓		-10	
"	1146		✓		" ~~(55-56')~~ (60-61')	1	✓	✓		-11	
"	1235		✓		" (65-66')	1		✓		-12	
"	1246		✓		" (70-71')	1	✓	✓	✓	-13	

SAMPLED BY: (Signature) Cindy Crain — DATE: 11/8/04 TIME: 1246

RELINQUISHED BY: (Signature) Cindy Crain — DATE: 11/10/04 TIME: 1600

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: 11-10-04 TIME: 1600

SAMPLE CONDITION WHEN RECEIVED: 2.5°C
4oz glass on ice

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 #26

Project Number: 0-0100-26

Location: None Given

Lab Order Number: 4K15004

Report Date: 12/02/04

Larson & Associates, Inc.	Project: Dynegy Site #26	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-26	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/02/04 16:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	4K15004-01	Water	11/12/04 10:30	11/12/04 17:15

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
MW-1 (4K15004-01) Water									
Benzene	ND	0.00100	mg/L	1	EK42001	11/15/04	11/15/04	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*120 %*		*80-120*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*		*80-120*	"	"	"	"	
Gasoline Range Organics C6-C12	ND	0.360	"	0.12	EK42403	11/24/04	11/24/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	0.360	"	"	"	"	"	"	
Total Hydrocarbon C6-C35	ND	0.360	"	"	"	"	"	"	
Surrogate: 1-Chlorooctane		*87.2 %*		*70-130*	"	"	"	"	
Surrogate: 1-Chlorooctadecane		*96.0 %*		*70-130*	"	"	"	"	

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K15004-01) Water									
Total Alkalinity	**156**	2.00	mg/L	1	EK41816	11/16/04	11/16/04	EPA 310.2M	
Chloride	**2200**	5.00	"	"	EK41810	11/17/04	11/17/04	EPA 325.3M	
Total Dissolved Solids	**3900**	5.00	"	"	EK41703	11/16/04	11/17/04	EPA 160.1	
Sulfate	**519**	6.25	"	12.5	EK41811	11/18/04	11/18/04	EPA 375.4	

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

Larson & Associates, Inc.	Project: Dynegy Site #26	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-26	**Reported:**
Midland TX, 79710	Project Manager: Cindy Crain	12/02/04 16:07

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K15004-01) Water									
Silver	**0.0399**	0.00500	mg/L	1	EK42304	11/19/04	11/22/04	EPA 6010B	
Arsenic	**0.0135**	0.00800	"	"	EK42301	11/16/04	11/18/04	"	
Barium	**0.206**	0.00100	"	"	"	"	"	6010B	
Calcium	**102**	1.00	"	100	EK42201	11/15/04	11/19/04	EPA 6010B	
Magnesium	**42.4**	0.0100	"	10	"	"	"	"	
Potassium	**38.1**	0.500	"	"	"	"	"	"	
Sodium	**1180**	10.0	"	1000	"	"	"	"	
Cadmium	**J [0.000900]**	0.00100	"	1	EK42301	11/16/04	11/18/04	"	J
Chromium	**J [0.00410]**	0.00500	"	"	"	"	"	"	J
Mercury	ND	0.000500	"	"	EK42406	11/23/04	11/23/04	EPA 7470A	
Lead	**J [0.00670]**	0.0110	"	"	EK42301	11/16/04	11/18/04	EPA 6010B	J
Selenium	**0.00930**	0.00400	"	"	"	"	"	"	

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

Semivolatile Organic Compounds by EPA Method 8270C

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K15004-01) Water									
Pyridine	ND	5.90	ug/l	1.18	EL40202	11/19/04	12/01/04	EPA 8270C	
N-Nitrosodimethylamine	ND	5.90	"	"	"	"	"	"	
Aniline	ND	5.90	"	"	"	"	"	"	
Phenol	ND	5.90	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	5.90	"	"	"	"	"	"	
2-Chlorophenol	ND	5.90	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.90	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.90	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.90	"	"	"	"	"	"	
Benzyl alcohol	ND	5.90	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	5.90	"	"	"	"	"	"	
2-Methylphenol	ND	5.90	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	5.90	"	"	"	"	"	"	
4-Methylphenol	ND	5.90	"	"	"	"	"	"	
Hexachloroethane	ND	5.90	"	"	"	"	"	"	
Nitrobenzene	ND	5.90	"	"	"	"	"	"	
Isophorone	ND	5.90	"	"	"	"	"	"	
2-Nitrophenol	ND	5.90	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	5.90	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	5.90	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	5.90	"	"	"	"	"	"	
Benzoic acid	ND	5.90	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.90	"	"	"	"	"	"	
Naphthalene	ND	5.90	"	"	"	"	"	"	
4-Chloroaniline	ND	5.90	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.90	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	5.90	"	"	"	"	"	"	
2-Methylnaphthalene	ND	5.90	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	5.90	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	5.90	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	5.90	"	"	"	"	"	"	
2-Chloronaphthalene	ND	5.90	"	"	"	"	"	"	
2-Nitroaniline	ND	5.90	"	"	"	"	"	"	
Dimethyl phthalate	ND	5.90	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	5.90	"	"	"	"	"	"	
Acenaphthylene	ND	5.90	"	"	"	"	"	"	
3-Nitroaniline	ND	5.90	"	"	"	"	"	"	
Acenaphthene	ND	5.90	"	"	"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K15004-01) Water									
2,4-Dinitrophenol	ND	5.90	ug/l	1.18	EL40202	11/19/04	12/01/04	EPA 8270C	
4-Nitrophenol	ND	5.90	"	"	"	"	"	"	
Dibenzofuran	ND	5.90	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	5.90	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	5.90	"	"	"	"	"	"	
Diethyl phthalate	ND	5.90	"	"	"	"	"	"	
Fluorene	ND	5.90	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	5.90	"	"	"	"	"	"	
4-Nitroaniline	ND	5.90	"	"	"	"	"	"	
Azobenzene	ND	5.90	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	5.90	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	5.90	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	5.90	"	"	"	"	"	"	
Hexachlorobenzene	ND	5.90	"	"	"	"	"	"	
Pentachlorophenol	ND	5.90	"	"	"	"	"	"	
Phenanthrene	ND	5.90	"	"	"	"	"	"	
Anthracene	ND	5.90	"	"	"	"	"	"	
Carbazole	ND	5.90	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	5.90	"	"	"	"	"	"	
Fluoranthene	ND	5.90	"	"	"	"	"	"	
Benzidine	ND	23.6	"	"	"	"	"	"	
Pyrene	ND	5.90	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	5.90	"	"	"	"	"	"	
Benzo (a) anthracene	ND	5.90	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	5.90	"	"	"	"	"	"	
Chrysene	ND	5.90	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	**14.9**	5.90	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	5.90	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	5.90	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	5.90	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	5.90	"	"	"	"	"	"	
Benzo (a) pyrene	ND	5.90	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	5.90	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	5.90	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*45.5 %*		*21-110*	"	"	"	"	
Surrogate: Phenol-d5		*44.1 %*		*10-110*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*64.2 %*		*35-114*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*58.4 %*		*43-116*	"	"	"	"	

Semivolatile Organic Compounds by EPA Method 8270C

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (4K15004-01) Water									
Surrogate: 2,4,6-Tribromophenol		*64.6 %*	*10-123*		*EL40202*	*11/19/04*	*12/01/04*	*EPA 8270C*	
Surrogate: p-Terphenyl-d14		*87.4 %*	*33-141*		*"*	*"*	*"*	*"*	

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 EK42001 - EPA 5030C (GC)										
Blank (EK42001-BLK1)				Prepared & Analyzed: 11/15/04						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*0.0230*		"	*0.0200*		*115*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0192*		"	*0.0200*		*96.0*	*80-120*			
LCS (EK42001-BS1)				Prepared & Analyzed: 11/15/04						
Benzene	82.7		ug/l	100		82.7	80-120			
Toluene	92.7		"	100		92.7	80-120			
Ethylbenzene	88.3		"	100		88.3	80-120			
Xylene (p/m)	194		"	200		97.0	80-120			
Xylene (o)	85.3		"	100		85.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0191*		*mg/L*	*0.0200*		*95.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0170*		"	*0.0200*		*85.0*	*80-120*			
LCS Dup (EK42001-BSD1)				Prepared & Analyzed: 11/15/04						
Benzene	94.5		ug/l	100		94.5	80-120	13.3	20	
Toluene	101		"	100		101	80-120	8.57	20	
Ethylbenzene	96.7		"	100		96.7	80-120	9.08	20	
Xylene (p/m)	213		"	200		106	80-120	8.87	20	
Xylene (o)	92.3		"	100		92.3	80-120	7.88	20	
Surrogate: a,a,a-Trifluorotoluene	*0.0232*		*mg/L*	*0.0200*		*116*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0202*		"	*0.0200*		*101*	*80-120*			
Calibration Check (EK42001-CCV1)				Prepared & Analyzed: 11/15/04						
Benzene	100		ug/l	100		100	80-120			
Toluene	110		"	100		110	80-120			
Ethylbenzene	107		"	100		107	80-120			
Xylene (p/m)	237		"	200		118	80-120			
Xylene (o)	109		"	100		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	*0.0237*		*mg/L*	*0.0200*		*118*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*0.0198*		"	*0.0200*		*99.0*	*80-120*			

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 EK42403 - Solvent Extraction (GC)										
Blank (EK42403-BLK1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	ND	0.300	mg/L							
Diesel Range Organics >C12-C35	ND	0.300	"							
Total Hydrocarbon C6-C35	ND	0.300	"							
Surrogate: 1-Chlorooctane	*46.7*		"	*50.0*		*93.4*	*70-130*			
Surrogate: 1-Chlorooctadecane	*49.8*		"	*50.0*		*99.6*	*70-130*			
LCS (EK42403-BS1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	43.1	0.300	mg/L	50.0		86.2	75-125			
Diesel Range Organics >C12-C35	50.5	0.300	"	50.0		101	75-125			
Total Hydrocarbon C6-C35	93.6	0.300	"	100		93.6	75-125			
Surrogate: 1-Chlorooctane	*57.7*		"	*50.0*		*115*	*70-130*			
Surrogate: 1-Chlorooctadecane	*54.2*		"	*50.0*		*108*	*70-130*			
Calibration Check (EK42403-CCV1)				Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	47.5		mg/L	50.0		95.0	80-120			
Diesel Range Organics >C12-C35	49.9		"	50.0		99.8	80-120			
Total Hydrocarbon C6-C35	97.4		"	100		97.4	80-120			
Surrogate: 1-Chlorooctane	*58.4*		"	*50.0*		*117*	*70-130*			
Surrogate: 1-Chlorooctadecane	*55.1*		"	*50.0*		*110*	*70-130*			
Matrix Spike (EK42403-MS1)	**Source: 4K22002-01**			Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	53.0	0.390	mg/L	50.0	ND	106	75-125			
Diesel Range Organics >C12-C35	56.5	0.390	"	50.0	ND	113	75-125			
Total Hydrocarbon C6-C35	110	0.390	"	100	ND	110	75-125			
Surrogate: 1-Chlorooctane	*56.6*		"	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.5*		"	*50.0*		*107*	*70-130*			
Matrix Spike Dup (EK42403-MSD1)	**Source: 4K22002-01**			Prepared & Analyzed: 11/24/04						
Gasoline Range Organics C6-C12	55.1	0.390	mg/L	50.0	ND	110	75-125	3.89	20	
Diesel Range Organics >C12-C35	55.8	0.390	"	50.0	ND	112	75-125	1.25	20	
Total Hydrocarbon C6-C35	111	0.390	"	100	ND	111	75-125	0.905	20	
Surrogate: 1-Chlorooctane	*56.5*		"	*50.0*		*113*	*70-130*			
Surrogate: 1-Chlorooctadecane	*53.0*		"	*50.0*		*106*	*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 EK41703 - General Preparation (WetChem)										
Blank (EK41703-BLK1)				Prepared: 11/16/04 Analyzed: 11/17/04						
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EK41703-DUP1)		**Source: 4K11013-02**		Prepared: 11/16/04 Analyzed: 11/17/04						
Total Dissolved Solids	1900	5.00	mg/L		1960			3.11	20	
Batch EK41810 - General Preparation (WetChem)										
Blank (EK41810-BLK1)				Prepared & Analyzed: 11/17/04						
Chloride	ND	5.00	mg/L							
Matrix Spike (EK41810-MS1)		**Source: 4K11013-01**		Prepared & Analyzed: 11/17/04						
Chloride	262	5.00	mg/L	200	63.8	99.1	80-120			
Matrix Spike Dup (EK41810-MSD1)		**Source: 4K11013-01**		Prepared & Analyzed: 11/17/04						
Chloride	266	5.00	mg/L	200	63.8	101	80-120	1.52	20	
Reference (EK41810-SRM1)				Prepared & Analyzed: 11/17/04						
Chloride	5490		mg/L	5000		110	80-120			
Batch EK41811 - General Preparation (WetChem)										
Blank (EK41811-BLK1)				Prepared & Analyzed: 11/18/04						
Sulfate	ND	0.500	mg/L							
Calibration Check (EK41811-CCV1)				Prepared & Analyzed: 11/18/04						
Sulfate	48.3		mg/L	50.0		96.6	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 EK41811 - General Preparation (WetChem)										
Duplicate (EK41811-DUP1)	**Source: 4K11013-01**			Prepared & Analyzed: 11/18/04						
Sulfate	106	1.25	mg/L		105			0.948	20	
Batch EK41816 - General Preparation (WetChem)										
Blank (EK41816-BLK1)				Prepared & Analyzed: 11/16/04						
Total Alkalinity	ND	2.00	mg/L							
Duplicate (EK41816-DUP1)	**Source: 4K15004-01**			Prepared & Analyzed: 11/16/04						
Total Alkalinity	155	2.00	mg/L		156			0.643	20	
Reference (EK41816-SRM1)				Prepared & Analyzed: 11/16/04						
Carbonate Alkalinity	0.0500		mg/L	0.0500		100	80-120			

Total Metals 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 EK42201 - 6010B/No Digestion										
Blank (EK42201-BLK1)				Prepared: 11/15/04 Analyzed: 11/19/04						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Blank (EK42201-BLK2)				Prepared: 11/15/04 Analyzed: 11/19/04						
Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							
Calibration Check (EK42201-CCV1)				Prepared: 11/15/04 Analyzed: 11/19/04						
Calcium	2.15		mg/L	2.00		108	85-115			
Magnesium	2.10		"	2.00		105	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.88		"	2.00		94.0	85-115			
Calibration Check (EK42201-CCV2)				Prepared: 11/15/04 Analyzed: 11/22/04						
Calcium	1.83		mg/L	2.00		91.5	85-115			
Magnesium	1.96		"	2.00		98.0	85-115			
Potassium	1.78		"	2.00		89.0	85-115			
Sodium	1.72		"	2.00		86.0	85-115			
Duplicate (EK42201-DUP1)				**Source: 4K11013-01RE1** Prepared: 11/15/04 Analyzed: 11/19/04						
Calcium	34.6	0.100	mg/L		ND				20	
Magnesium	25.6	0.0100	"		ND				20	
Potassium	4.08	0.500	"		ND				20	
Sodium	77.4	1.00	"		ND				20	

Total Metals 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 EK42201 - 6010B/No Digestion										
Duplicate (EK42201-DUP2)		**Source: 4K11004-01**		Prepared: 11/15/04 Analyzed: 11/19/04						
Calcium	180	1.00	mg/L		179			0.557	20	
Magnesium	48.9	0.0100	"		47.2			3.54	20	
Potassium	11.7	0.500	"		9.88			16.9	20	
Sodium	283	1.00	"		268			5.44	20	
Batch EK42301 - EPA 3005A										
Blank (EK42301-BLK1)				Prepared: 11/16/04 Analyzed: 11/18/04						
Chromium	ND	0.00500	mg/L							
Arsenic	ND	0.00800	"							
Barium	ND	0.00100	"							
Cadmium	ND	0.00100	"							
Selenium	ND	0.00400	"							
Lead	ND	0.0110	"							
LCS (EK42301-BS1)				Prepared: 11/16/04 Analyzed: 11/18/04						
Arsenic	0.864	0.00800	mg/L	0.800		108	85-115			
Chromium	0.219	0.00500	"	0.200		110	85-115			
Lead	1.13	0.0110	"	1.10		103	85-115			
Selenium	0.426	0.00400	"	0.400		106	85-115			
Barium	0.215	0.00100	"	0.200		108	85-115			
Cadmium	0.212	0.00100	"	0.200		106	85-115			
LCS Dup (EK42301-BSD1)				Prepared: 11/16/04 Analyzed: 11/18/04						
Arsenic	0.856	0.00800	mg/L	0.800		107	85-115	0.930	20	
Barium	0.218	0.00100	"	0.200		109	85-115	1.39	20	
Cadmium	0.211	0.00100	"	0.200		106	85-115	0.473	20	
Chromium	0.220	0.00500	"	0.200		110	85-115	0.456	20	
Lead	1.12	0.0110	"	1.10		102	85-115	0.889	20	
Selenium	0.415	0.00400	"	0.400		104	85-115	2.62	20	

Total Metals 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 EK42301 - EPA 3005A										
Calibration Check (EK42301-CCV1)				Prepared: 11/16/04 Analyzed: 11/18/04						
Arsenic	1.02		mg/L	1.00		102	90-110			
Selenium	0.996		"	1.00		99.6	90-110			
Lead	0.970		"	1.00		97.0	90-110			
Chromium	0.990		"	1.00		99.0	90-110			
Cadmium	1.00		"	1.00		100	90-110			
Barium	0.990		"	1.00		99.0	90-110			
Matrix Spike (EK42301-MS1)		**Source: 4K15004-01**		Prepared: 11/16/04 Analyzed: 11/18/04						
Selenium	0.379	0.00400	mg/L	0.400	0.00930	92.4	75-125			
Lead	1.04	0.0110	"	1.10	0.00670	93.9	75-125			
Chromium	0.190	0.00500	"	0.200	0.00410	93.0	75-125			
Cadmium	0.188	0.00100	"	0.200	0.000900	93.6	75-125			
Barium	0.414	0.00100	"	0.200	0.206	104	75-125			
Arsenic	0.794	0.00800	"	0.800	0.0135	97.6	75-125			
Matrix Spike Dup (EK42301-MSD1)		**Source: 4K15004-01**		Prepared: 11/16/04 Analyzed: 11/18/04						
Cadmium	0.176	0.00100	mg/L	0.200	0.000900	87.6	75-125	6.59	20	
Chromium	0.192	0.00500	"	0.200	0.00410	94.0	75-125	1.05	20	
Lead	0.976	0.0110	"	1.10	0.00670	88.1	75-125	6.35	20	
Arsenic	0.762	0.00800	"	0.800	0.0135	93.6	75-125	4.11	20	
Selenium	0.371	0.00400	"	0.400	0.00930	90.4	75-125	2.13	20	
Barium	0.400	0.00100	"	0.200	0.206	97.0	75-125	3.44	20	
Batch EK42304 - EPA 3005A										
Blank (EK42304-BLK1)				Prepared: 11/19/04 Analyzed: 11/22/04						
Silver	ND	0.00500	mg/L							

Total Metals 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 EK42304 - EPA 3005A										
LCS (EK42304-BS1)				Prepared: 11/19/04 Analyzed: 11/22/04						
Silver	0.0979	0.00500	mg/L	0.100		97.9	85-115			
LCS Dup (EK42304-BSD1)				Prepared: 11/19/04 Analyzed: 11/22/04						
Silver	0.114	0.00500	mg/L	0.100		114	85-115	15.2	20	
Matrix Spike (EK42304-MS1)			Source: 4K15004-01RE1	Prepared: 11/19/04 Analyzed: 11/22/04						
Silver	0.0907	0.00500	mg/L	0.100	ND	90.7	75-125			
Matrix Spike Dup (EK42304-MSD1)			Source: 4K15004-01RE1	Prepared: 11/19/04 Analyzed: 11/22/04						
Silver	0.0854	0.00500	mg/L	0.100	ND	85.4	75-125	6.02	20	
Batch EK42406 - EPA 7470A										
Blank (EK42406-BLK1)				Prepared & Analyzed: 11/23/04						
Mercury	ND	0.000500	mg/L							
LCS (EK42406-BS1)				Prepared & Analyzed: 11/23/04						
Mercury	0.00151	0.000500	mg/L	0.00149		101	85-115			
Calibration Check (EK42406-CCV1)				Prepared & Analyzed: 11/23/04						
Mercury	0.000950		mg/L	0.00100		95.0	90-110			
Matrix Spike (EK42406-MS1)			Source: 4K15004-01	Prepared & Analyzed: 11/23/04						
Mercury	0.00150	0.000500	mg/L	0.00149	ND	101	75-125			
Matrix Spike Dup (EK42406-MSD1)			Source: 4K15004-01	Prepared & Analyzed: 11/23/04						
Mercury	0.00151	0.000500	mg/L	0.00149	ND	101	75-125	0.664	20	

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40202 - EPA 3510C										
Blank (EL40202-BLK1)				Prepared: 11/19/04 Analyzed: 11/23/04						
Pyridine	ND	5.00	ug/l							
N-Nitrosodimethylamine	ND	5.00	"							
Aniline	ND	5.00	"							
Phenol	ND	5.00	"							
Bis(2-chloroethyl)ether	ND	5.00	"							
2-Chlorophenol	ND	5.00	"							
1,3-Dichlorobenzene	ND	5.00	"							
1,4-Dichlorobenzene	ND	5.00	"							
1,2-Dichlorobenzene	ND	5.00	"							
Benzyl alcohol	ND	5.00	"							
Bis(2-chloroisopropyl)ether	ND	5.00	"							
2-Methylphenol	ND	5.00	"							
N-Nitrosodi-n-propylamine	ND	5.00	"							
4-Methylphenol	ND	5.00	"							
Hexachloroethane	ND	5.00	"							
Nitrobenzene	ND	5.00	"							
Isophorone	ND	5.00	"							
2-Nitrophenol	ND	5.00	"							
2,4-Dimethylphenol	ND	5.00	"							
Bis(2-chloroethoxy)methane	ND	5.00	"							
2,4-Dichlorophenol	ND	5.00	"							
Benzoic acid	ND	5.00	"							
1,2,4-Trichlorobenzene	ND	5.00	"							
Naphthalene	ND	5.00	"							
4-Chloroaniline	ND	5.00	"							
Hexachlorobutadiene	ND	5.00	"							
4-Chloro-3-methylphenol	ND	5.00	"							
2-Methylnaphthalene	ND	5.00	"							
Hexachlorocyclopentadiene	ND	5.00	"							
2,4,6-Trichlorophenol	ND	5.00	"							
2,4,5-Trichlorophenol	ND	5.00	"							
2-Chloronaphthalene	ND	5.00	"							
2-Nitroaniline	ND	5.00	"							
Dimethyl phthalate	ND	5.00	"							
2,6-Dinitrotoluene	ND	5.00	"							
Acenaphthylene	ND	5.00	"							
3-Nitroaniline	ND	5.00	"							
Acenaphthene	ND	5.00	"							
2,4-Dinitrophenol	ND	5.00	"							
4-Nitrophenol	ND	5.00	"							
Dibenzofuran	ND	5.00	"							
2,4-Dinitrotoluene	ND	5.00	"							

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40202 - EPA 3510C										
Blank (EL40202-BLK1)				Prepared: 11/19/04 Analyzed: 11/23/04						
2,3,4,6-Tetrachlorophenol	ND	5.00	ug/l							
Diethyl phthalate	ND	5.00	"							
Fluorene	ND	5.00	"							
4-Chlorophenyl phenyl ether	ND	5.00	"							
4-Nitroaniline	ND	5.00	"							
Azobenzene	ND	5.00	"							
4,6-Dinitro-2-methylphenol	ND	5.00	"							
N-Nitrosodiphenylamine	ND	5.00	"							
4-Bromophenyl phenyl ether	ND	5.00	"							
Hexachlorobenzene	ND	5.00	"							
Pentachlorophenol	ND	5.00	"							
Phenanthrene	ND	5.00	"							
Anthracene	ND	5.00	"							
Carbazole	ND	5.00	"							
Di-n-butyl phthalate	ND	5.00	"							
Fluoranthene	ND	5.00	"							
Benzidine	ND	20.0	"							
Pyrene	ND	5.00	"							
Butyl benzyl phthalate	ND	5.00	"							
Benzo (a) anthracene	ND	5.00	"							
3,3'-Dichlorobenzidine	ND	5.00	"							
Chrysene	ND	5.00	"							
Bis(2-ethylhexyl)phthalate	ND	5.00	"							
Di-n-octyl phthalate	ND	5.00	"							
Indeno (1,2,3-cd) pyrene	ND	5.00	"							
Benzo (b) fluoranthene	ND	5.00	"							
Benzo (k) fluoranthene	ND	5.00	"							
Benzo (a) pyrene	ND	5.00	"							
Dibenzo (a,h) anthracene	ND	5.00	"							
Benzo (g,h,i) perylene	ND	5.00	"							
Surrogate: 2-Fluorophenol	*26.3*		"	*80.0*		*32.9*	*21-110*			
Surrogate: Phenol-d5	*22.3*		"	*80.0*		*27.9*	*10-110*			
Surrogate: Nitrobenzene-d5	*55.6*		"	*80.0*		*69.5*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*54.7*		"	*80.0*		*68.4*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*72.9*		"	*80.0*		*91.1*	*10-123*			
Surrogate: p-Terphenyl-d14	*103*		"	*80.0*		*129*	*33-141*			

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40202 - EPA 3510C										
LCS (EL40202-BS1)				Prepared: 11/19/04 Analyzed: 11/23/04						
Phenol	33.1		ug/l	200		16.6	12-110			
2-Chlorophenol	75.5		"	200		37.8	27-123			
1,4-Dichlorobenzene	36.0		"	100		36.0	36-97			
N-Nitrosodi-n-propylamine	64.1		"	100		64.1	41-116			
1,2,4-Trichlorobenzene	51.3		"	100		51.3	39-98			
4-Chloro-3-methylphenol	103		"	200		51.5	23-97			
Acenaphthene	49.7		"	100		49.7	46-118			
4-Nitrophenol	25.5		"	200		12.8	10-80			
2,4-Dinitrotoluene	52.8		"	100		52.8	24-96			
Pentachlorophenol	104		"	200		52.0	9-103			
Pyrene	90.8		"	100		90.8	26-127			
Surrogate: 2-Fluorophenol	*18.3*		"	*80.0*		*22.9*	*21-110*			
Surrogate: Phenol-d5	*14.5*		"	*80.0*		*18.1*	*10-110*			
Surrogate: Nitrobenzene-d5	*46.5*		"	*80.0*		*58.1*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*43.5*		"	*80.0*		*54.4*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*56.1*		"	*80.0*		*70.1*	*10-123*			
Surrogate: p-Terphenyl-d14	*83.0*		"	*80.0*		*104*	*33-141*			
LCS Dup (EL40202-BSD1)				Prepared: 11/19/04 Analyzed: 11/23/04						
Phenol	39.1		ug/l	200		19.6	12-110	16.6	42	
2-Chlorophenol	83.4		"	200		41.7	27-123	9.94	40	
1,4-Dichlorobenzene	39.0		"	100		39.0	36-97	8.00	28	
N-Nitrosodi-n-propylamine	70.8		"	100		70.8	41-116	9.93	38	
1,2,4-Trichlorobenzene	55.3		"	100		55.3	39-98	7.50	28	
4-Chloro-3-methylphenol	116		"	200		58.0	23-97	11.9	42	
Acenaphthene	55.7		"	100		55.7	46-118	11.4	31	
4-Nitrophenol	29.8		"	200		14.9	10-80	15.6	50	
2,4-Dinitrotoluene	61.9		"	100		61.9	24-96	15.9	38	
Pentachlorophenol	124		"	200		62.0	9-103	17.5	50	
Pyrene	104		"	100		104	26-127	13.6	31	
Surrogate: 2-Fluorophenol	*22.3*		"	*80.0*		*27.9*	*21-110*			
Surrogate: Phenol-d5	*17.7*		"	*80.0*		*22.1*	*10-110*			
Surrogate: Nitrobenzene-d5	*51.8*		"	*80.0*		*64.8*	*35-114*			
Surrogate: 2-Fluorobiphenyl	*49.2*		"	*80.0*		*61.5*	*43-116*			
Surrogate: 2,4,6-Tribromophenol	*67.2*		"	*80.0*		*84.0*	*10-123*			
Surrogate: p-Terphenyl-d14	*98.2*		"	*80.0*		*123*	*33-141*			

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL40202 - EPA 3510C										
Calibration Check (EL40202-CCV1)				Prepared: 11/19/04 Analyzed: 11/23/04						
Phenol	44.8		ug/l	50.0		89.6	70-130			
2-Nitrophenol	54.1		"	50.0		108	70-130			
2,4-Dichlorophenol	57.7		"	50.0		115	70-130			
4-Chloro-3-methylphenol	57.3		"	50.0		115	70-130			
2,4,6-Trichlorophenol	47.6		"	50.0		95.2	70-130			
Pentachlorophenol	36.3		"	50.0		72.6	70-130			
Calibration Check (EL40202-CCV2)				Prepared: 11/19/04 Analyzed: 11/23/04						
1,4-Dichlorobenzene	47.6		ug/l	50.0		95.2	70-130			
Hexachlorobutadiene	56.0		"	50.0		112	70-130			
Acenaphthene	48.5		"	50.0		97.0	70-130			
N-Nitrosodiphenylamine	58.4		"	50.0		117	70-130			
Fluoranthene	47.4		"	50.0		94.8	70-130			
Di-n-octyl phthalate	64.9		"	50.0		130	70-130			
Benzo (a) pyrene	52.6		"	50.0		105	70-130			

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: 12-02-04

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 Sanchez, Lab Tech.

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

Client: Larson & Associates

Date/Time: 11-15-04 @ 0915

Order #: 4K15004

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	0.5 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 Larson & Associates, Inc.
Environmental Consultants
Fax: 432-687-0456
432-687-0901
507 N. Marienfeld, Ste. 202 • Midland, TX 79701

CLIENT NAME:	SITE MANAGER:
Dynegy	Cindy Crain
PROJECT NO.:	PROJECT NAME:
0-0100-26	Site #26
PAGE 1 OF 1	LAB. PO #

DATE	TIME	WATER	SOIL	OTHER	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	PARAMETERS/METHOD NUMBER: BTEX 8021B	Semi-Vol 8270	Metals 6010B	Anions	Cations	TDS	LAB. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
11/12/04	1030	✓			MW-1	5	✓	✓	✓	-	-	✓	41K15004-01	1-L amber glass w/$Na_2S_2O_3$ 1-L HDPE 1-500mL HDPE w/HNO_3 2-40mL glass w/HCl

SAMPLED BY: (Signature) DATE: 11/12/04 TIME: 1715

RELINQUISHED BY: (Signature) DATE: 11/12/04 TIME: 1715

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) Rolando K
DATE: 11-12-04 TIME: 1715

SAMPLE CONDITION WHEN RECEIVED: Rec 0.5°C

LA CONTACT PERSON:

SAMPLE TYPE:

APPENDIX D

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-141
Revised March 17, 1999

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: **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: **Kelly Meyer Deep Wells Ranch**	Mineral Owner	Lease No.☐

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County☐
NW Q of the SE Q	**31**	**23S**	**37E**					**Lea**

NATURE OF RELEASE

Type of Release **Natural gas condensate**	Volume of Release **??**	Volume Recovered **none**
Source of Release **Pipeline leak**	Date and Hour of Occurrence **6/7/03 4:30 PM**	Date and Hour of Discovery **same**
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.*
10" Pipeline leak due to interior and exterior corrosion. While line was dug out for clamping leak other contaminated soil was seen adjacent to leak. Dug up approximately 600 feet of line exposing some historic contamination.

Describe Area Affected and Cleanup Action Taken.*
Spots of stained soil along right of way. Will cleanup per NMOCD guidelines and submit documentation to district office.

Describe General Conditions Prevailing (Temperature, Precipitation, etc.)*
Mid 90 degree daytime temperatures with dry conditions.

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Cal Wrangham

Printed Name: **Cal Wrangham**

Title: **ES&H Advisor**

Date: **6/23/03** Phone: **915 688-0542**

OIL CONSERVATION DIVISION

Approved by☐District Supervisor:

Approval Date: Expiration Date:

Conditions of Approval: Attached ☐

* Attach Additional Sheets If Necessary