1R- 448

REPORTS

DATE:

12/8/2004



December 8, 2004

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

Re: Final Pipeline Spill Remediation Report, Dynegy Midstream Services. L.P., Unit Letter C (NE/4, NW/4), Section 14, Township 22 South, Range 37 East, Lea County, New Mexico

Dear Mr. Johnson:

Dynegy Midstream Services, L. P. (Dynegy) has retained Larson and Associates, Inc. (LA) to remediate impacts to soil from natural gas liquids (i.e., natural gas condensate) spills at one location (Site # 20) in the northeast quarter (NE/4) of the northwest quarter (NW/4), Section 14, Township 22 South, Range 37 East, Lea County, New Mexico. The spill occurred along a 24-inch pipeline trending north to south, at an area approximately 3.7 miles southeast of Eunice, New Mexico. Site #20 was investigated from August 14, 2002 through September 21, 2004. Figure 1 presents the location of the Site and a topographic map. Figure 2 presents details of the Site.

Prior to the initial investigation, impacted soil had been excavated from the area to a depth of approximately ten (10) feet below ground surface (bgs) and the 24-inch steel line was replaced with a 24-inch diameter HDPE line. Four (4) soil borings were drilled on August 14, 2002, and additional excavation occurred at the site from January 2003 until September 2004.

Initial Investigation

On August 14, 2002, LA personnel supervised installation of four (4) soil borings (BH-1, BH-2, BH-4 and BH-5) at Site #20. Scarborough Drilling, Inc. drilled the borings using an air rotary drilling rig. The borings were drilled to approximately 21 feet bgs, and soil samples were collected approximately every five (5) feet using a two-foot long split spoon sampler. The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to Environmental Lab of Texas I, Ltd. (ELOT), located in Odessa, Texas. A duplicate sample was collected for headspace analysis. The headspace jars were filled approximately ³/₄ full, and a layer of aluminum foil was placed over the opening of the jars before replacing the cap. The headspace samples were set aside and allowed to warm up to ambient temperature before a RAE Instruments, Model 2000 photoionization detector (PID) was used to measure the concentration of organic vapors in the sample headspace. The PID probe was inserted into the headspace of the sample jars (through the aluminum foil), and the concentration of organic vapors was displayed by the instrument in parts per million (ppm), and recorded in a bound field notebook. The PID was calibrated to 100.1 ppm isobutylene prior to obtaining headspace readings. The sample from each boring, at a depth of approximately 0 to 1 foot bgs was analyzed for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) by EPA method-SW-846-8021B, and total petroleum hydrocarbons (TPH) by EPA method SW-846-8015, including gasoline range organics (GRO) and diesel range organics (DRO). The deepest sample collected from each boring (20-21') was also analyzed for TPH by EPA method SW-846-8015. All soil samples collected from soil borings BH-1 and BH-2 were analyzed for chloride by EPA method SW-846-9253. The borings were filled with bentonite chips and hydrated with potable water. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples from borings BH-1, BH-2, BH-4 and

Mr. Larry Johnson December 8, 2004 Page 2

BH-5. Figure 2 shows the locations of the soil borings. Appendix A presents the boring logs. Appendix B presents the laboratory analyses. Appendix C presents photographs.

Based on published literature (1961) and well records of the New Mexico State Engineer, groundwater occurs at approximately 60 to 68 feet bgs in wells located nearest Site #20. No domestic water wells are located within 1,000 feet of the site. The NMOCD has established soil remediation action levels (RRAL) for benzene, total BTEX and TPH resulting from spills of natural gas liquids ("Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993"). Remediation levels for benzene, total BTEX and TPH were calculated using the following NMOCD criteria:

Criteria	Result	Ranking Score
Depth-to-Groundwater	<50 Feet	20
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0
		Total: 20

The following RRALs have been assigned based on NMOCD criteria:

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

Referring to Table 1, benzene and total BTEX were reported below the test method detection limits in samples collected from soil borings BH-1, BH-2, BH-4 and BH-5. Concentrations of TPH were reported below the RRAL of 100 mg/kg in soil samples from all four (4) borings at a depth of 20-21 feet bgs. Concentrations of TPH exceeded the RRAL in soil samples collected from each boring at a depth of 0-1 foot bgs. Chloride concentrations in soil samples collected from BH-1 and BH-2 decreased with depth. Maximum chloride concentrations were reported in boring BH-4 at a depth of 20'21 feet bgs (496 mg/kg), and boring BH-5 at a depth of 10-11 feet bgs (1,030 mg/kg). The NMOCD does not have a documented RRAL for chloride.

In addition to the soil borings, samples were obtained using a stainless-steel hand auger at one location directly below the pipeline on September 4, 2002. Hand auger samples were collected from boring HA-1, installed beneath the pipeline, at depths of approximately 10 to 10.5 feet bgs, 15 to 16 feet bgs, and 18 to 19 feet bgs. Caliche was encountered at approximately 19 feet bgs, preventing advancement of the hand auger.

All soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chainof-custody control to ELOT. A duplicate of each sample was also placed in a clean glass sample jar for headspace analysis, as described above. The PID was calibrated to 100.1 isobutylene prior to obtaining headspace readings. The samples from 10-10.5 feet bgs and 18-19 feet bgs were analyzed for BTEX by EPA method-SW-846-8021B, and TPH by EPA method SW-846-8015, including GRO and DRO. All soil samples collected from hand auger boring HA-1 were analyzed for chloride by EPA method SW-846-9253. Table 1 presents a summary of the laboratory analyses and PID readings of soil samples from hand auger boring HA-1. Figure 2 shows the location of the soil boring. Appendix B presents the laboratory analyses. Mr. Larry Johnson December 8, 2004 Page 3

Referring to Table 1, the soil sample collected from boring HA-1 at a depth of 10-10.5 feet bgs reported BTEX and TPH concentrations below the test method detection limits. Concentrations of BTEX were reported below the RRAL of 50 mg/kg in the sample from 18-19 feet bgs (3.328 mg/kg). Concentrations of TPH exceeded the RRAL of 100 mg/kg in the sample from 18-19 feet bgs (1,167 mg/kg). Chloride concentrations were reported at 1,670 mg/kg (10-10.5'), 1,330 mg/kg (15-16') and 1,950 mg/kg (18-19').

On January 29, 2003, samples were collected from the west wall of the excavation at the surface, and depths of approximately 2, 4, 6, 7 and 8 feet bgs. Soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to ELOT. The samples were analyzed for TPH by EPA method SW-846-8015, including GRO and DRO, and for chloride by EPA method SW-846-9253. Table 2 presents a summary of the laboratory analyses of soil samples collected from the west side of the excavation. Figure 2 shows the sample locations. Appendix B presents the laboratory analyses.

Referring to Table 2, all samples collected from the west side of the excavation reported concentrations of TPH below the RRAL. A maximum chloride concentration of 443 mg/kg was reported in the samples SS-3 (4' bgs) and SS-9 (7' bgs).

Remediation Activities

On January 30, 2003, excavation of impacted soil began at Site #20 and LA collected soil samples from the bottom of the excavation at a depth of approximately 29 feet bgs (SS-15), and from the east side at a depth of approximately 12 feet bgs (SS-16). The soil samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to ELOT. Soil samples were analyzed for TPH by EPA method SW-846-8015, BTEX by EPA method SW-846-8021B, and chlorides by EPA method SW-846-9253. Table 3 presents a summary of the laboratory analyses of soil samples from the excavation. Figure 3 shows the sample locations and laboratory results. Appendix B presents laboratory data and chain of custody documentation.

Referring to Table 3, sample SS-15, from the bottom of the excavation, reported concentrations of TPH above the RRAL (2,459 mg/kg).

Excavation continued at Site #20 from December 8, 2003 through September 21, 2004, with confirmation samples being collected on January 5, 14, 21 and 29, 2004, February 17 and 23, 2004, March 8 and 17, 2004, June 24, 2004, and September 10 and 21, 2004. All samples were placed in clean glass sample jars, labeled, chilled in an ice chest, and delivered under chain-of-custody control to ELOT, where they were analyzed for TPH by EPA method SW-846-8015. Selected samples were also analyzed for BTEX by EPA method SW-846-8021B. Table 3 presents a summary of the laboratory analyses of soil samples from the excavation. Figure 3 shows the sample locations and laboratory results. Appendix B presents laboratory data and chain of custody documentation. Appendix C presents photographs.

Soil from the excavation was placed adjacent to the hole, and periodically <u>blended to</u> reduce the TPH concentration below the RRAL Soil with TPH concentrations in excess of the RRAL was hauled to an NMOCD approved landfarm. Soil that reported final TPH concentrations below the RRAL (Spoil-8, 17.7 mg/kg) was used to backfill the north portion of the hole in order to provide equipment access to continue excavating to the south. Figure 3 presents the backfilled area.

Mr. Larry Johnson December 8, 2004 Page 4

Excavation continued to the south until the lease road was encountered. Confirmation samples were collected on September 21, 2004. All samples reported concentrations of TPH below the RRAL, with the exception of sample SS-18 (1,946-2-mg/kg); collected from the south wall at a depth of approximately 30 feet bgs.

On November 12, 2004, Mr. Dave Harris and I met with you at Site #20 to discuss the possibility of closure based on the proximity of the lease road and numerous pipelines at the southern boundary of the excavation. Dynegy proposes that final closure be granted for Site #20. (Clean soil has been stockpiled at the site, and the excavation will be backfilled upon closure approval. Please call Mr. Dave Harris with Dynegy (505) 394-2534 or myself at (432) 687-0901 if you have any questions. We may also be reached by email at <u>dhae@dynegy.com</u> or <u>cindy@laenvironmental.com</u>.

Sincerely, Larson & Associates, Inc.

inty K. Crain

Cindy K. Crain, CPG Project Manager

Encl.

cc: Mr. Dave Harris - Dynegy Mr. Cal Wrangham – Dynegy



TABLÉS

图片特别的时间和新闻的中心。这些说的了第三个时间,就是这些问题。 第二章

a for the second se

Summary of Headspace and Laboratory Analysis of Soil Samples From Borings Dynegy Midstream Services, L. P., Spill Site No. 20 NE/4, NW/4, Section 14, Township 22 South, Range 37 East Lea County, New Mexico

Description of

index-managers

None of the

A STATE

		10000	2244		_	-	Distant.	2332		-				-		distant.	_		No.	-			1000	100.00
Chloride mg/kg	250	1,360	425	213	70.9	106	1,350	762	70.9	53.2	53.2	35.4	98.5	160	53.2	496	35.4	118	1,030	53.2	70.9	1,670	1,330	1,950
TPH (CB-C28) mg/kg	100	4,050	1	1		10.0	₹.4 624	1		1	<20.0	<20.0	1	1	-	<20.0	156	-			<20.0	<20.0		1,167
DRO <c10-c28 mg/kg</c10-c28 		4,050	1	1	1	10.0	624	1	1	1	<10.0	<10.0	1	1	1	<10.0	156, 41	1	1	-	<10.0	<10.0	I	856
GRO C6-C10 mg/kg		<50.0	1	1		<10.0	<10.0	-	1	1	<10.0	<10.0	ł	1	1	<10.0	<10.0	1		١	<10.0	<10.0	-	311.00
Total BTEX mg/kg	60	<0.125	1	1	1		<0.125	1	1	1		<0.125	1	I	1		<0.125	1	1	1	1	<0.125	1	3.328
Benzene mg/kg	10	<0.025	1	1	1	1	<0.025	1	1	1		<0.025	1	1	1		<0.025	ananta	1	1	1	<0.025	1	0.360
	語言であるなどと	27/4	9:3%	10:11	至6:0	[6:6]職	[0:5] [8]	103	ROUTING	20:02	際0:03	錢0日朝	1031 1031	(10) mail and a second	10001	20:0题	観じの割	E0:27	(ECO) 2013	和心理	(0:0)網	THE A	Ņ	1
Sample Depth (feet BGS)		0-1	5-6	10-11	15-16	20-21	2	56	10-11	15-16	20-21	5	5-6 2	10-11	15-16	20-21	0-1	5-6	10-11	15-16	20-21	10-10.5	15-16	18-19
Sample Date	RRAL	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	8/14/2002	9/4/2002	9/4/2002	9/4/2002
Borehole Number	经 。 法规定 物質	BH-1					BH-2					BH4					BH-5					HA-1		

All analyses performed by Environmental Lab of Texas I, Ltd., Odessa, Texas	Depth in feet below ground surface	Photoionization detector	Parts per million	Gasoline-range organics	Diesel-range organics	Total petroleum hydrocarbons (Sum of GRO + DRO)	Milligrams per kilogram	No data available	Below method detection limit	Hand auger samples
Notes:	1. BGS:	2. PID:	3. ppm:	4. GRO:	5. DRO:	6. TPH:	7. mg/kg	:: 00	ю Ю	10: HA:

Table 1:

Table 2: Summary of Headspace and Laboratory Analysis of Soil SamplesDynegy Midstream Services, L. P., Spill Site No. 20NE/4, NW/4, Section 14, Township 22 South, Range 37 EastLea County, New Mexico

Contraction of the

1000

A DESCRIPTION

Aller and a second

Section Sec.

a state and the second s

特に個額的

Sample Number	Sample Date	Sample Depth (feet BGS)	GRO C6-C10 mg/kg	DRO <c10-c28 mg/kg</c10-c28 	TPH (C6-C28) mg/kg	Chloride mg/kg
	RRAL				100	250
SS-1	1/29/2003	0	<10	70	70	<20
SS-2	1/29/2003	2	<10	<10	<20	<20
SS-3	1/29/2003	4	<10	<10	<20	443
SS-4	1/29/2003	6	<10	<10	<20	<20
SS-5	1/29/2003	0	<10	40.5	40.5	106
SS-6	1/29/2003	2	<10	54.6	54.6	53.2
SS-7	1/29/2003	4	<10	183	183	<20
SS-8	1/29/2003	6	<10	<10	<20	<20
SS-9	1/29/2003	7	<10	<10	<20	443
SS-10	1/29/2003	0	<10	43.1	43.1	<20
SS-11	1/29/2003	2	<10	36.9	36.9	70.9
SS-12	1/29/2003	4	<10	55.5	55.5	<20
SS-13	1/29/2003	6	<10	<10	<20	<20
SS-14	1/29/2003	8	<10	102	102	<20

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

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

Summary of Headspace and Laboratory Analysis of Soil Samples From Excavation Dynegy Midstream Services, L. P., Spill Site No. 20 NE/4, NW/4, Section 14, Township 22 South, Range 37 East Lea County, New Mexico

AND THE R

a gibi di Sana dan seri da seri Seria da seri da seria da seri Seria da ser

Karamatan Majari 1920 - Karamatan Majari

And the second s

and the second second

And a second sec

a jana daranda 1. je 1. je

and the second s

NTC

Table 3:

																_																					1			1	
Chloride mg/kg	250	142	142	1		1	1			1	l			I						1		ł	1	ł	1	1		1	1	1	1	I				· - 题	- 1	No. of the second secon	X		
TPH (C6-C28) mg/kg	100	2,459	96.9	1,005	462	4,330	20.6	24.5	2,940	2,340	1,740	<20		7.01	100	324.2	262.6	120.0	1.00.4	7.87	52.60	<20	10.4	2,100	260.5	182.83	- - - - - - - - - - -		32.1	<20	988	- 1 0	-115.7	4,380 1	363.7	2. 4-29 - 1. S	1,946.2	13:6			シュトラビタラ
DRO <c10-c28 mg/kg</c10-c28 		1,790	96.9	982	462	3,090	20.6	24.5	2,170	1,670	1,500	<10		7.01	200	2/3	249	440	0	7.87	52.60	<10	10.4	1,470	249	171		17.7	21.3	<10	830	647	8	3;020	320	¥429	骤 (1,850 <u>维</u>)	13.6		thone (Sum	IIINO) ellogi
GRO C6-C10 mg/kg		6 89	<10	23	< <u>1</u> 0	1,240	<10 ∧10	<10 <10	767	699	239	<10	1 34 6 5 45 1 4	410	<u>6</u>	21.2	13.6	10.01	R.7	<10	<10	<10	<10	630	11.5	5.83		<10	10.8	<10	158	454	31.7	1,360	43.7	AC10-	题 96:2%	<10 <			um inyarooa
Total BTEX mg/kg	- 09 - 1	23:533 #	<0:125 ∦				11 11 12 12	和社園	- ALCONN	1 State	a statement		 Alternational Stream 		0.420 第1010	Mac71:0>	<0:125强			<0.125國	新聞一山谷		N	0!7581驚	M-THY	「「「「「」」	and a second second		0:35025	≤0約25驟	10,409 國		§0:0295	k1:5852				1-20	dessa <i>fy</i> Texa:		I OTAI PEUVIO
Benzene mg/kg	10	0.893	<0.025	100 - 100 (100 - 100 -	1	1		1	1	1	1		ale al contra da la la	1 22	0020.02	<0.0250	<0.0250		1 128 1 24 4400 1	<0.0250	1	1	1	<0.0250	1	2 	A LOW SALES	1	<0.025	<0.025	<0.025	1	<0.025	<0.025	1		1	1	cas I, Ltd., O		
(Inda)		1	1	K49.1324	R21.6%	1191	32.9	37.4	257.8	192.6	217.8	20.2		85.3	(33.8	213	223.1	ar water warran A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	183.3	95.7	25.1	80.2	449.7	1		straint and makes	1	370	116	761	8.2	140.5	486.5	52.2	6.7	CE129/182	447	tal Lab of Te	-	
Sample Depth (feet BGS)		29	12	andre average a	1	32	25	24	26	1	1	4		98	š	1				90	15	30	15	စ္တ	1	- 14/8 47 - 27 - 34	A THE REPORTS	1	29	25	25	25	35	30	30	8	30	37	Environment	d surface	
Sample Location	AL	Bottom	East Side	W of hole	E of hole	Bottom	West Side	North Side	South Side	South pile	Middle pile	Bottom		Bottom	East vide	1		a sharana baasa	1 200 200	East Side	East Side	East Side	East Side	South Side	1	an terting for the part of the terting of	こくやくや ひとりたいの	1	Bottom	West Side	South Side	East Side	Bottom	East Side	South Side	East Side	South Side	Bottom	verformed by	below ground	on detector
Sample Date	RR	1/30/2003	1/30/2003	11/17/2003	11/17/2003	1/5/2004	1/5/2004	1/5/2004	1/5/2004	1/5/2004	1/5/2004	1/14/2004	aller South server as in the light of the	1/21/2004	1/21/2004	1/21/2004	1/29/2004		2/4/2004	2/17/2004	2/17/2004	2/17/2004	2/17/2004	2/17/2004	2/17/2004	2/23/2004	allowed to set the set of the	3/17/2004	6/24/2004	6/24/2004	6/24/2004	6/24/2004	9/10/2004	9/10/2004	9/10/2004	9/21/2004	9/21/2004	9/21/2004	All analyses p	Depth in feet	Photoionizatic
Sample Number		SS-15	SS-16	Spoil-1	Spoil-2	SS-2	SS-3	SS-4	SS-5	Spoil-1	Spoil-2	SS-6	A SAMPLE A SECOND ROUGH	SS-7	6-22 20-9	Spoil-3	Spoil-4		C-liodS	SS-8	SS-10	SS-11	SS-12	SS-13	Spoil-6	Spoil-7	201 10 10 10 10 10 10 10 10 10 10 10 10 1	Spoil-8	South end	South end	South end	South end	SS-14	SS-15	SS-16	SS-17	SS-18	SS-19	Notes: /	1. BGS: 1	2. PIC

THE REPORT OF A DECK

12 12 12

Milligrams,per kilogram No data available Below method detection limit

7. mg/kg 8. -:: 9. <:

Parts per million Gasoline-range organics Diesel-range organics

3. ppm: 4. GRO: 5. DRO:



101

FIGURES

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

10 10 19







كحكا وترجيب الحويدة وتعمد بالتنافي ال

APPENDIX A

And a second second

And the second sec

Contract of the second s

STATES

Boring Logs

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

Project: Site #20

175 mar 1

Service Services

Constant of

an and the second

Project No: 0-0100-20

Location: NE/4, NW/4, Sec. 14, T22S, R37E, Lea Co., NM

Log of Borehole: BH-1

Geologist: Cindy K. Crain

Page: 1 of 1

	SI	JBSURFACE PROFILE	S	AMP	LE		
Depth	Symbol	Description	Number	Type	Recovery	PID Measurement (PPM) 10 20	Lab Analysis
0-		Ground Surface					0 - 1' bas
-		Sand 7.5 YR 7/3, brown quartz sand, very fine grained, poorly sorted, loose.	1	and a second		27.4	TPH: 4,050 mg/kg Chloride: 1,360 mg/kg
- 5 -		Caliche 5 YR 7/3, pink quartz sand, very fine grain very poorly sorted, indurated	ned, 2			9.3	5 - 6' bgs Chloride: 425 mg/kg
- 10- -			3			11.3	10 - 11' bgs Chloride: 213 mg/kg
- 15-			4			0.9	15 - 16' bgs Chloride: 70.9 mg/kg
- 20-		Sifty, Clayey Sand 2.5 YR 5/6, red quartz sand, very fine gra poorly sorted, moderately loose TD at 21'	ined,5			6.6	20 - 21' bgs TPH: 10 mg/kg Chloride: 106 mg/kg
25-	-						
D D H	rilling N ate Dri lole Siz	Method: Air Rotary Lar Sof Iled: 8/14/02 Mic e: 6" (43)	son and A North Ma Iland, Tex 2) 687-090	ssoci rienfe as 79 1	ates, i Id St., 701	inc. Che , Ste. 202 Dri	ecked by: CKC lled by: Scarborough Drilling

Project: Site #20

and the second se

and the fight

A Contraction

Stream and

Project No: 0-0100-20

Location: NE/4, NW/4, Sec. 14, T22S, R37E, Lea Co., NM

Log of Borehole: BH-2

Geologist: Cindy K. Crain

Page: 1 of 1



Project: Site #20

and the second

Sec. Sec.

and the second second

A NAMES AND A DESCRIPTION OF

N.

Project No: 0-0100-20

Location: NE/4, NW/4, Sec. 14, T22S, R37E, Lea Co., NM

Log of Borehole: BH-4

Geologist: Cindy K. Crain

Page: 1 of 1

	SI	JBSURFACE PROFILE	S	٩MP	LE		
Depth	Symbol	Description	Number	Type	Recovery	PID Measurement (PPM) 0.1 0.3	Lab Analysis
0-		Ground Surface			[0 - 1' bgs
-		Sand 2.5 YR 4/6, red quartz sand, very fine grained poorly sorted, loose.	, 1			0.1	TPH: <20 mg/kg Chloride: 35.4 mg/kg
-		Colicho	_		}		
5		5 YR 7/3, pink quartz sand, very fine grained, very poorly sorted, indurated	2			0.1 •	5 - 6' bgs Chloride: 98.5 mg/kg
-							
- 10—	┝┹┰┹┥ ┝┸┱┸╸ ┎╴┎						10 - 11' bgs
-		Silty Clayov Sand	3				Chloride: 160 mg/kg
- - 15- - -		2.5 YR 5/6, red quartz sand, very fine grained poorly sorted, 20% clay	4			0.0	15 - 16' bgs Chloride: 53.2 mg/kg
- 20-		TD at 21'				0.0	20 - 21' bgs TPH: <20 mg/kg Chloride: 496 mg/kg
	1	1		<u> </u>	1		1
D D H	rilling N ate Dri lole Siz	Method: Air Rotary Larso Iled: 8/14/02 507 N e: 6" (432)	n and A orth Ma nd, Texa 687-090	ssoci rienfe as 791 1	iates, eld St. 701	Inc. Che , Ste. 202 Dril	ecked by: CKC led by: Scarborough Drilling

Project: Site #20

Summer of

And a second second

the second second

Contraction of the

Project No: 0-0100-20

Location: NE/4, NW/4, Sec. 14, T22S, R37E, Lea Co., NM

Log of Borehole: BH-5

Geologist: Cindy K. Crain

Page: 1 of 1

	SI	JBSURFACE PROFILE	S	AMP	LE		
Depth	Symbol	Description	Number	Type	Recovery	PID Measurement (PPM) 0.1 0.3	Lab Analysis
0-		Ground Surface					0 - 1' bas
-		Sand 7.5 YR 7/3, brown quartz sand, very fine grained, poorly sorted, loose.	• 1			0.1	TPH: 156 mg/kg Chloride: 35.4 mg/kg
- 5-		Caliche 5 YR 7/3, pink quartz sand, very fine gra very poorly sorted, indurated	iined,			02	5 - 6' bgs
- - -			2				Chloride: 118 mg/kg
10- - -		Sandy Clay 5 YR 5/4, reddish brown quartz sand, 5/ soft, plastic clay	3			0.1	10 - 11' bgs Chloride: 1,030 mg/kg
15-		5 YR 7/4, pink quartz sand, very fine gra 5 YR 7/4, pink quartz sand, very fine gra very poorly sorted, 30% soft, plastic clay	ained, y 4			0,1	15 - 16' bgs Chloride: 53.2 mg/kg
20-						-//	20 - 21' bgs
		TD at 21'	5			4	TPH: <20 mg/kg
	4 						Chloride: 70.9 mg/kg
	1						
	orilling N Date Dri Iole Siz	Method: Air Rotary La Iled: 8/14/02 50 mi 6"	arson and A 97 North Ma idland, Tex 32) 687-090	issoci rienfe as 79 1	iates, l eld St., 701	Inc. Che , Ste. 202 Dril	cked by: CKC led by: Scarborough Drilling
L							

APPENDIX B

Constant of the

and the second

1. a. 1

Contraction of the

A distant of the second se

Laboratory Reports

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

The second second second second

ANALYTICAL REPORT

Prepared for:

1000

and the second

3/00-2003

ACCESSION AND

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

Project:Dynegy/ Site No. 20PO#:G0204236

Report Date: 08/21/2002

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

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

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC.	Order#:	G0204236
P.O. BOX 50685	Project:	0-0100-20
MIDLAND, TX 79710	Project Name:	Dynegy/ Site No. 20
915-687-0456	Location:	None Given

States and

20525-2552

開催の

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

I -h ID.	Sampla	N <i>T</i> = 41		Date / Time	Date / Time	0	
	Sample :	Matrix:			Received	Container	Preservative
0204236-01	BH-1 (0-1)	SOIL		8/14/02 12:40	8/15/02	4 oz glass	ice
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	8015M						
	8021B/5030 BTEX						
	Chloride						
0204236-02	BH-1 (5-6')	SOIL		8/14/02	8/15/02	4 oz giass	Ice
La	b Testing:	Rejected:	No	Tem	p: 1.0 C		
	Chloride				-		
0204236-03	BH-1 (10-11')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				12:50	16:10		
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride				· · · · · · · · · · · · · · · · · · ·		
0204236-04	BH-1 (15-16')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				12:55	16:10		
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride						····
0204236-05	BH-1 (20-21')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				13:00	16:10		
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	8015M						
	Chloride						
0204236-06	BH-2 (0-1')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				11:15	16:10		
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	8015M						
	8021B/5030 BTEX						
	Chloride						
0204236-07	BH-2 (5-6')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
La	ib Testing:	Rejected:	No	Tem	p: 1.0 C		
	Chloride						
	· · · · · · · · · · · · · · · · · · ·						

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

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

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

Order#:G0204236Project:0-0100-20Project Name:Dynegy/ Site No. 20Location:None Given

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

				Date / Time	Date / Time		
Lab ID:	Sample :	<u>Matrix:</u>		Collected	Received	Container	Preservative
0204236-08	BH-2 (10-11')	SOIL		8/14/02 11:29	8/15/02 16:10	4 oz glass	Ice
Lai	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride						
0204236-09	BH-2 (15-16')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
La	b Testing:	Rejected:	No	11:38 Tem	16:10 p: 1.0 C		
<u> </u>	Chloride						
0204236-10	BH-2 (20-21')	SOIL		8/14/02 11:52	8/15/02 16:10	4 oz glass	Ice
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
ļ	8015M						
	Chloride						
0204236-11	BH-4 (0-1')	SOIL		8/14/02 13:20	8/15/02 16:10	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	8015M						
	8021B/5030 BTEX						
	Chloride						
0204236-12	BH-4 (5-6')	SOIL		8/14/02 13:25	8/15/02 16:10	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride			·			
0204236-13	BH-4 (10-11')	SOIL		8/14/02 13:28	8/15/02 16:10	4 oz glass	Ice
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Tem	p: 1.0 C		
	Chloride						
0204236-14	BH-4 (15-16')	SOIL		8/14/02 13:34	8/15/02 16:10	4 oz glass	Ice
<u>La</u>	<u>b Testing:</u>	Rejected:	No	Tem	ip: 1.0 C		
j –	Chloride						

ENVIRONMENTAL LAB OF TEXAS I, LTD.

ENVIRONMENTAL LAB OF TEXAS SAMPLE WORK LIST

LARSON AND ASSOCIATES, INC. P.O. BOX 50685

MIDLAND, TX 79710

915-687-0456

Order#:G0204236Project:0-0100-20Project Name:Dynegy/ Site No. 20Location:None Given

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

				Date / Time	Date / Time		
Lab ID:	<u>Sample :</u>	<u>Matrix:</u>		Collected	Received	<u>Container</u>	Preservative
0204236-15	BH-4 (20-21')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
- -			N 7.	13:40	16:10		
1 <u>Le</u>	<u>ab Testing:</u>	Rejected:	NO	Tem	ip: 1.0 C		
	8015M						
	Chloride						
0204236-16	BH-5 (0-1')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
0204230-10				14:02	16:10		
<u>L</u>	<u>ab Testing:</u>	Rejected:	No	Tem	р: 1.0 C		
	8015M						
3	8021B/5030 BTEX						
	Chloride						
0204226 17	BH-5 (5-6')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
0204230-17				14:05	16:10		
	ab Testing:	Rejected:	No	Tem	ip: 1.0 C		
	Chloride						· · · · · · · · · · · · · · · · · · ·
0204236-18	BH-5 (10-11')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
020120010				14:08	16:10		
ש <u>ג</u>	ab Testing:	Rejected:	No	Tem	p: 1.0 C		
	Chloride						
0204236-10	BH-5 (15-16')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
0204250-17				14:12	16:10	Ũ	
	<u>ab Testing:</u>	Rejected:	No	Tem	ip: 1.0 C		
[Chloride						·
0204236-20	BH-5 (20-21')	SOIL		8/14/02	8/15/02	4 oz glass	Ice
				14:18	16:10		`
<u> </u>	ab Testing:	Rejected:	No	Ten	ι p: 1.0 C		
3	8015M						
	Chloride						
l)							

C 4

1000

Service and

Contraction of the

Summer and

a substant

LARSON AND ASSO P.O. BOX 50685 MIDLAND, TX 7971	CIATES, INC.			Order#: Project: Project Name: Location:	G020 0-010 Dyne None)4236)0-20 :gy/ Site No. 20 : Given	
Lab ID: 0)204236-01						
Sample ID: E	BH-1 (0-1')						
				8015M			
	Method	Date	Date	Sample	Dilution	L	
	Blank	<u>Prepared</u>	Analyzed	Amount	Factor	<u>Analyst</u>	Method
			8/17/02	1	5	СК	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<50.0		50.0	
		DRO, >C12-C35		4050		50.0	
		TOTAL, C6-C35	00211	4050	<u> </u>	50.0	
	Method <u>Blank</u> 0002898-02	TOTAL, C6-C35 Date <u>Prepared</u>	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1	Dilution <u>Factor</u> 25	50.0 <u>Analyst</u> CK	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 3/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg	Dilution Factor 25	50.0 <u>Analyst</u> CK RL	Method 8021B
	Method <u>Blank</u> 0002898-02	Date Date <u>Prepared</u> Parameter Benzene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025	Dilution Factor 25	50.0 <u>Analyst</u> CK RL 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date <u>Prepared</u> Parameter Benzene Ethylbenzene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025	Dilution Factor 25	50.0 <u>Analyst</u> CK RL 0.025 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter Benzene Ethylbenzene Toluene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025 <0.025	Dilution Factor 25	50.0 <u>Analyst</u> CK RL 0.025 0.025 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter Benzene Ethylbenzene Toluene p/m-Xylene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025 <0.025 <0.025	Dilution Factor 25	50.0 Analyst CK RL 0.025 0.025 0.025 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter Benzene Ethylbenzene Toluene p/m-Xylene o-Xylene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025 <0.025 <0.025 <0.025	Dilution Factor 25	50.0 Analyst CK RL 0.025 0.025 0.025 0.025 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter Benzene Ethylbenzene Toluene p/m-Xylene o-Xylene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025	Dilution Factor 25	50.0 Analyst CK RL 0.025 0.025 0.025 0.025 0.025 0.025	<u>Method</u> 8021B
	Method <u>Blank</u> 0002898-02	Date Prepared Parameter Benzene Ethylbenzene Toluene p/m-Xylene o-Xylene Surroga aaa-Toluene	8021E Date <u>Analyzed</u> 8/19/02 20:15	4050 8/5030 BTEX Sample <u>Amount</u> 1 Result mg/kg <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025 <0.025	Dilution Factor 25	50.0 <u>Analyst</u> CK RL 0.025	<u>Method</u> 8021B

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

A

B

1

A

D

A

-11-1

Cindy Crain LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G0204 0-0100 :: Dyneg None	1236)-20 ;y/ Site No. 20 Given	
Lab ID:	0204236-05						
Sample ID:	BH-1 (20-21')						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
			8/17/02	1	1	СК	8015M
		Parameter		Result mg/kg	:	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		10.0		10.0	
		TOTAL, C6-C35		10.0		10.0	
Lab ID: Sample ID:	0204236-06 BH-2 (0-1') Method	Data	Date	8015M	Dilution		
	Riank	Prepared	Analyzed	Amount	Factor	Analyst	Method
	<u></u>	<u> </u>	8/17/02	1	1	СК	8015M
	-	Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		624		10.0	
		TOTAL, C6-C35		624		10.0	

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

1

8

l

1

Cindy Crain LARSON AND A P.O. BOX 50685 MIDLAND, TX	SSOCIATES, INC. 79710			Order#: Project: Project Name: Location:	G0204 0-0100 Dyneg None	4236 0-20 gy/ Site No. 20 Given	
Lab ID: Sample ID:	0204236-06 BH-2 (0-1')						
			8021E	3/5030 BTEX			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	<u>Factor</u>	Analyst	Method
	0002898-02		8/19/02 20:38	1	25	СК	8021B
		Parameter		Result mg/kg		RL	
		Benzene		< 0.025		0.025	
		Ethylbenzene		<0.025		0.025	
		Toluene		<0.025		0.025	
		p/m-Xylene		<0.025		0.025	
		o-Xylene		<0.025	;	0.025	
		Surrogat	es	% Recovered	QC Lim	its (%)	
		aaa-Toluene	·	79%	73	115	
		Bromofluoro	benzene	102%	72	110	
Lab ID: Sample ID:	0204236-10 BH-2 (20-21')						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
			8/17/02	1	1	СК	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35	<u> </u>	<10.0		10.0	
		TOTAL C6 C35		<10.0		10.0	

ENVIRONMENTAL LAB OF TEXAS I, LTD.

11

Cindy Crain Order#:	G0204236
LARSON AND ASSOCIATES, INC. Project:	0-0100-20
P.O. BOX 50685 Project Name:	Dynegy/ Site No. 20
MIDLAND, TX 79710 Location:	None Given

Lab ID: 0 Sample ID: E

l

ł

0204236-11 BH-4 (0-1')

DRO, >C12-C35

TOTAL, C6-C35

			8015M			
Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Anałyzed</u> 8/17/02	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> CK	<u>Method</u> 8015M
	Parameter		Resu mg/k	ılt ^ç g	RL	
	GRO, C6-C12		<10.	.0	10.0	

<10.0

<10.0

10.0

10.0

8021B/5030 BTEX

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0002898-02		8/19/02	1	25	СК	8021B
		21:00				

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

Surrogates	% Recovered	QC Li	mits (%)
aaa-Toluene	92%	73	115
Bromofluorobenzene	112%	72	110

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Lab ID: 0204236-15 Sample ID: BH-4 (20-21') Method Date Date Sample Dilution Blank Prepared Analyzed Amount Factor Analyst M	
<i>8015M</i> Method Date Date Sample Dilution Blank Prepared Analyzed Amount Factor Analyst M	
Method Date Date Sample Dilution Blank Prepared Analyzed Amount Factor Analyst M	
Diank Frepared Franzisk Franzisk Franzisk Franzisk Franzisk	Method
8/17/02 1 1 CK 8	8015M
Parameter Result RL mg/kg	
GRO, C6-C12 <10.0 10.0	
DRO, >C12-C35 <10.0 10.0	
TOTAL, C6-C35 <10.0 10.0	l
Lab ID: 0204226 16	
Sample ID: 0204250-10 Sample ID: BH-5 (0-1') 8015M	
Sample ID: 0204250-10 Sample ID: BH-5 (0-1') Method Date Date Sample Dilution Dt. I. Brongrad Analyzed Amount Factor Analyzet M	Matha

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Cindy Crain LARSON AND ASSOCIATES, INC.	Order#: Project:	G0204236 0-0100-20
P.O. BOX 50685	Project Name:	Dynegy/ Site No. 20
MIDLAND, TX 79710	Location:	None Given

Lab ID: Sample ID:

ł

H

0204236-16 BH-5 (0-1')

Method <u>Blank</u> 002898-02	Date <u>Prepared</u>	Date <u>Analyzed</u> 8/19/02 21:22	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 25	n <u>Analyst</u> CK	<u>Meth</u> 8021
	Parameter	<i></i>	Resu mg/k	lt g	RL	
	Benzene		<0.02	25	0.025	
	Ethylbenzene		<0.02	25	0.025	
	Toluene		<0.02	25	0.025	
	p/m-Xylene		<0.02	25	0.025	
	o-Xylene		<0.02	25	0.025	
	Surrog	ates	% Recovered	QC Lii	nits (%)	
	aaa-Toluer	1e	82%	73	115	
	Bromofluor	obenzene	108%	72	110	

Lab ID: Sample ID: 0204236-20 BH-5 (20-21')

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

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

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

8/22/02

Sara Molina, Lab Tech.

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

Page 6 of 6

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Cindy Crain LARSON AND P.O. BOX 5068 MIDLAND, T2	ASSOCIATES, INC. 55 X 79710		Order# Project Project Locatio	#: C t: 0 t Name: I on: N	60204236 -0100-20)ynegy/ Site lone Given	No. 20		
Lab ID: Sample ID:	0204236-01 BH-1 (0-1')							
Test Paran Parameter	neters	<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		1360	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-02 BH-1 (5-6')							
Test Paran Parameter	neters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		425	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-03 BH-1 (10-11')							
Test Paran Parameter	meters	<u>Result</u>	<u>Units</u>	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		213	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-04 BH-1 (15-16')		ton					
Test Parai Parameter	meters	<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		70.9	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-05 BH-1 (20-21')							
Test Paran	meters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		106	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-06 BH-2 (0-1')							
Test Paral Parameter	meters	<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		1350	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit N/A = Not Applicable

1

H

1

1

Ì.

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Cindy Crain LARSON AND P.O. BOX 5068 MIDLAND, TX	ASSOCIATES, INC. 35 X 79710		Order# Project Project Locatio	#: () t: () t Name: pn: N	G0204236 -0100-20 Dynegy/ Site None Given	No. 20		
Lab ID: Sample ID:	0204236-07 BH-2 (5-6')							
Test Paran Parameter	neters	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Chloride		762	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-08 BH-2 (10-11')							
Test Parat Parameter	neters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		70.9	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-09 BH-2 (15-16')							
Test Parar Parameter	meters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		53.2	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-10 BH-2 (20-21')							
Test Paran Parameter	meters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		53.2	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-11 BH-4 (0-1')	<u>, , , , , , , , , , , , , , , , , , , </u>						
Test Paran Parameter	meters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		35.4	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-12 BH-4 (5-6')							
Test Paran Parameter	meters	Result	<u>Units</u>	Dilution <u>Factor</u>	RL	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		98.5	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit N/A = Not Applicable

I

9

ł

l

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Cindy Crain LARSON AND P.O. BOX 5068 MIDLAND, TX	ASSOCIATES, INC. 5 X 79710		Order# Project Project Locatio	4: C t: O t Name: I pn: N	G0204236 I-0100-20 Dynegy/ Site None Given	No. 20		
Lab ID: Sample ID:	0204236-13 BH-4 (10-11')							
Test Paran Parameter	neters	<u>Result</u>	Units	Dilution <u>Factor</u>	RL	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		160	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-14 BH-4 (15-16')							
Test Parar Parameter	neters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		53.2	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-15 BH-4 (20-21')							
Test Paran Parameter	neters	Result	<u>Units</u>	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		496	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-16 BH-5 (0-1')							
Test Paran Parameter	neters	<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		35.4	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-17 BH-5 (5-6')							
Test Paran Parameter	neters	<u>Result</u>	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		118	mg/kg	1	20.0	9253	8/17/02	SB
Lab ID: Sample ID:	0204236-18 BH-5 (10-11')							
Test Paral Parameter	meters	<u>Result</u>	<u>Units</u>	Dilution <u>Factor</u>	<u>RL</u>	Method	Date Analyzed	<u>Analyst</u>
Chloride		1030	mg/kg	1	20.0	9253	8/17/02	SB

RL = Reporting Limit N/A = Not Applicable

T I

H

1

:

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Cindy Crain LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710			Order# Project Project Locatio	: : Name: on:	G0204236 0-0100-20 Dynegy/ Site None Given	No. 20		
Lab ID: Sample ID:	0204236-19 BH-5 (15-16')							
Test Paran Parameter	meters	<u>Result</u>	<u>Units</u>	Dilution <u>Factor</u>	n <u> </u>	Method	Date Analyzed	Analyst SB
Lab ID: Sample ID:	0204236-20 BH-5 (20-21')						5/1//02	
Test Paran Parameter Chloride	meters	<u>Result</u> 70.9	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	n <u>r RL</u> 20.0	<u>Method</u> 9253	Date <u>Analyzed</u> 8/17/02	<u>Analyst</u> SB

Approval: Caland K Jun Raland K. Tuttle, Lab Director, QA Officer 8-22-02 Date

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

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD.

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

i

i.

8015M

Order#: G0204236

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002900-02			<10.0		
TOTAL, C6-C35-mg/kg		0002914-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002914-03		2000	2450	122.5%	
CONTROL DU	P	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002914-04		2000	2410	120.5%	1.6%
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204184-04	0	952	1100	115.5%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0204184-04	1100	952	1130	119.%	2.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0002900-05		1000	1170	117.%	
TOTAL, C6-C35-mg/kg		0002914-05		1000	950	95.%	

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

i

1

İ

H

Order#: G0204236

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002898-02		-	<0.025		
Ethylbenzene-mg/kg	0002898-02			<0.025		
Toluene-mg/kg	0002898-02			<0.025		
p/m-Xylene-mg/kg	0002898-02			<0.025		
o-Xylene-mg/kg	0002898-02			<0.025		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002898-03		0.1	0.101	101.%	
Ethylbenzene-mg/kg	0002898-03		0.1	0.107	107.%	
Toluene-mg/kg	0002898-03		0.1	0.105	105.%	
p/m-Xylene-mg/kg	0002898-03		0.2	0.214	107.%	
o-Xylene-mg/kg	0002898-03		0.1	0.105	105.%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002898-04		0.1	0.102	102.%	1.%
Ethylbenzene-mg/kg	0002898-04		0.1	0.108	108.%	0.9%
Toluene-mg/kg	0002898-04		0.1	0.107	107.%	1.9%
p/m-Xylene-mg/kg	0002898-04		0.2	0.216	108.%	0.9%
o-Xylene-mg/kg	0002898-04		0.1	0.105	105.%	0.%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0002898-05	<u></u>	0.1	0.100	100.%	
Ethylbenzene-mg/kg	0002898-05	····	0.1	0.104	104.%	
Toluene-mg/kg	0002898-05		0.1	0.109	109.%	
p/m-Xylene-mg/kg	0002898-05		0.2 .	0.216	108.%	
o-Xylene-mg/kg	0002898-05		0.1	0.105	105.%	

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT .

Test Parameters

Order#: G0204236

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD							
Chloride-mg/kg		0002893-01			<20.0									
Chloride-mg/kg		0002894-01			<20.0		<u></u>							
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD							
Chloride-mg/kg		0204212-01	5700	10000	15600	99.%	<u> </u>							
Chloride-mg/kg		0204236-10	53.2	1000	1050	99.7%	·							
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD							
Chloride-mg/kg		0204212-01	5700	10000	15400	97.%	1.3%							
Chloride-mg/kg		0204236-10	53.2	1000	1050	99.7%	0.%							
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD							
Chloride-mg/kg		0002893-04		5000	4960	99.2%								
Chloride-mg/kg		0002894-04		5000	4960	99.2%								
「「「「「」」」、「「」」、「」、「」、「」、「」、「」、「」、	AND A RESERVED A SALE	100 37 20 4 400	のないないないで	and a subjective data with a	有明日在此川市市道部市政	The second s	「「「「」」、「」」、「」、「」、「」、「」、「」、「」、「」、「」、「」、「」	1.2.2 the state in the line	ale a tes blad.	And second frantiers		And I wanted and a set of		
----------------------------------	------------------------------------	-----------------	----------------	------------------------------	--------------	--	--	-----------------------------	--------------------	----------------------	-----------------	---------------------------	---------------------------------------	--
CLIENT NZ	AME:			SITE	MANAGER	2			PAR	AMETEI	RS/METHOD NL	JMBER	CHAIN-	
5	Vicedy			2	(indy	Crain		ç	Ð					
PROJECT	NO.:			PRO	DIECT NAM	- نن		INEKS	716	201				x xtes, Inc. Fax: 915-687-0456
O	0010-	- 20	6		Site	No. 20	2	ATNC		521			Environme	ntal Consultants 915-687-0901
PAGE	∕ oF	Z		LAB. PO #				DF CC		1712			507 N. Mari	enfeld, Ste. 202 • Midland, TX 79701
IIV0	JUIL	AJUM	105	OFFER SAN	MPLE IDENT	IFICATION		NUMBER (<i>T1.9</i>	990 11.11			Lab. I.D. Number (Lab Use only)	Remarks (I.E., Filtered, Unpreserved, Preserved, Undreserved, Grab Composite)
8/14/100	0481		7	19	41	(1-0)		-	7				0-762.4020	
	1343		7	BII	111	15.6')		~		7			70	
:	1250		2	Bi	4-1 I	(11-11.)		~		7			69	
ii.	1255		7	BI	1-1 0	(15-16.)		~		7			טק	
	1300		7	$\mathcal{B}h$	4-1 1	20-21		~	7	/			05	
н	1115		7	84	4-2	(-1-0)		-	7	7			ġ	
"	11.23	F	7	BL	11-2	15-6.)		4		7			LO	
11	11.29		7	01	11.2	(10-11-)		•	B	/			B	
	1138		1	151	4-2	(15-16)				7			ся	
4	1152		7	2	11-2 (12-06		į	7)			0	
	13.20		1	ng	4-4	(1, 0)		•	7	//			-	
:	13.25		7	812	4-4	(5-61)				7			2	
1.	1328		7	61	ij - 4	(10-11)		~		7			<u>rv</u>	
44	1334		7	8	1.4 C	(15-16.1		~		7			41	
ų k	1340			181	4.4 1	20-21-)		~	7	/			5	
11	402		7	B,	11-5 1	(1-0)		-	<u>7</u> 7	7			16	
11	1405		7	\mathcal{B}_{h}	4.5 1	(2.6.)		~		7			Ē	
4	1408		7	19	1.5 ((11-01)		~		7		[8	
SAMPLE	D'BY: (Sigr	nature	20)		DATE	8/15/12 2.02	relinquishe	ED BY: (S	ignatu	(ə)	DATE: TIME:		RECEIVED BY: (Sign	ature) DATE TIME:
RELINOL	JISHED BY:	(Signa	tjøre)		DATE	8/15/2	RECEIVED BY:	(Signat	'ure)		DATE:		AMPLE SHIPPED E	Y: (Circle)
~	-derthand	Z	aur		TIME	1610					TIME:		EDEX	BUS AIRBILL #:
COMME	NTS:									10	RNAROUND TIME N		HAND DELIVERED	UPS OTHER:
	,												Tellow – Receivi	NG LAB NG LAB (TO BE RETURNED TO
RECEIVIN	VG LABOR	ATORY:	E	1-20	DOF T	X	~	ECEIVED) BY: (Si	gnature)	TN44A62		LA AFTE	R RECEIPT) T MANAGEP
	D dess 1 2 4 2 8			E STA	NE S	03- 180	Jarer o	A No	8-15	120	TIME: 1610		SOLD - QA/QC	COORDINATOR
SAMPLE C	W NOITION W	HEN RECI	eved: 0 C /	1,0°C				LA CO	NTACT	PERSON:			SAMPLE TYPE:	
** 1.00		· · ·	י ר											

Ì

Ē

CLIENT NAN	AE: AE:				SITE MANAGER:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		7d	\RAME	TERS/	Meth	N QO	UMBE	Ŀ.	CHAIN-	-OFCUSTODY	RECORD
	Juneg	h			Girly Crain				 						4		
PROJECT NC	0:		Ś		PROJECT NAME:	2	AINER2	WS	5,		<u> </u>			•• <u></u>		n & ates, Inc. Fax: 915-66	87-0456
	DID	8	$ _{c}$		Diff NO. 2	2	(TNO)	10	20							nici consultants 915-6	87-0901
PAGE	ъ	2		LAB.	PO #		OF (8 ;	10						IDIM .NI /OC		IU, IA / 9/UI
3UVQ	JW1,	MATER	NOS	OTHER	SAMPLE IDENTIFICATION		NUMBER	4.1.1	147						Lab. I.D. Number (Lab Use only)	Remarks (I.E., Filtered, Unpre Preserved, Unpres Grab composi	tered, Erved, Ite)
5/14/62 1	412		1		BH-5 (15-16-	(-		7		_				7264236-19		
4 11	415		7		BH-5 [20-21"		-	1	7						ิส		
											-		_				
												_					
								1		-	-		_				
									<u> </u>			+					
								$\left[\right]$			$\left \right $						
													_				
											+						
-+			T														
												+					
											+-						
								-			-	+					
	5		7														
SAMPLED	ible: 18lgr	nature	1000	~	DATE: 8/15/02 1 TIME: 27:04	relinguishe	D BY: (Signat	ure)			DATE: TIME:		L I	ceived BY: (Sign	ature)	DATE:
RELINQUIS	HED BY:	(Signo	fore)		DATE: 31/2/02	RECEIVED BY:	(Signa	ture)				DATE:_		- SA	MPLE SHIPPED B	Y: (Circle)	in to the sale
	when	L.	den		TIME: 16/10							TIME			DEX	BUS AIRBILL #:	
COMMEN'	TS: 0 '								•	TURNA	SOUND	TIME N	JEEDED	₽	ND DELIVERED	UPS OTHER:	
:														⋝₽	Hite - Receivi L low - Receivi	Ng lab Ng lab (to be returned t	.0
RECEIVING ADDRESS:	1210	ATORY:	<u>ś</u> З	μ	thot IX	R		NBY:	Signatur	e X	1 14 14	ł		40		ER RECEIPT) T MANAGER	
CITY: CONTACT:	2000	559			STATE:	79765	ATE: C	a	70-51	TIME	161	5		. S	DLD - QA/QC	COORDINATOR	
SAMPLE CON	UDITION W	HEN REC	eived:	18	2c 1,0°C		LA CC	ONTAC	T PERSO	ż				SA	MPLE TYPE:		
		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -					4 F	1.4	а. М. С. С.	1			•				

.

H

1.8

I

I

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

1

ł

8015M

Order#: G0204435

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003065-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003065-03	· · · · · · · · · · · · · · · · · · ·	952	835	87.7%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003065-04	·····	952	862	90.5%	3.2%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0003065-05	·	1000	859	85.9%	

ANALYTICAL REPORT

Prepared for:

l

H

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

Project:Dynegy/ Site #20PO#:G0305583

Report Date: 01/31/2003

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

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

. .

l

H

Order#:G0305583Project:0-0100-20Project Name:Dynegy/ Site #20Location:None Given

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

				Date / Time	I	Date / Time		
<u>Lab ID:</u>	Sample :	<u>Matrix:</u>		Collected		Received	Container	Preservative
0305583-01	SS-1 (Surface)	SOIL		1/29/03		1/29/03	4 oz glass	Ice
T.	L Tradina	Deiestede	No	10:42		16:35		
<u>La</u>	<u>b Testing:</u>	Kejecieu:	INU	1	emp:	7.0 C		
	8015M							
	Chloride	<u>e a a a a a a</u>						
0305583-02	SS-2 (2')	SOIL		1/29/03		1/29/03	4 oz glass	Ice
				10:44		16:35		
La	<u>b Testing:</u>	Rejected:	No	Т	emp:	7.0 C		
	8015M							
	Chloride							
0305583-03	SS-3 (4')	SOIL		1/29/03		1/29/03	4 oz glass	Ice
00000000000				10:46		16:35	Ţ	
La	<u>b Testing:</u>	Rejected:	No	Т	emp:	7.0 C		
	8015M							
~	Chloride							
0305583-04	SS-4 (6')	SOIL		1/29/03		1/29/03	4 oz glass	Ice
				10:48		16:35		
La	<u>b Testing:</u>	Rejected:	No	т	emp:	7.0 C		
	8015M							
	Chloride						······	·
0305583-05	SS-5 (Surface)	SOIL		1/29/03		1/29/03	4 oz glass	Ice
				10:50		16:35		
La	<u>b Testing:</u>	Rejected:	No	Т	emp:	7.0 C		
	8015M							
	Chloride							
0305583-06	SS-6 (2')	SOIL		1/29/03		1/29/03	4 oz glass	Ice
00000000000				10:52		16:35		
La	<u>ıb Testing:</u>	Rejected:	No	Т	'emp:	7.0 C		
	8015M							
	Chloride							
0305583-07	SS-7 (4')	SOIL		1/29/03		1/29/03	4 oz glass	Ice
				10:54		16:35		
La	<u>ıb Testing:</u>	Rejected:	No	т	emp:	7.0 C		

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

LARSON AND ASSOCIATES, INC.	Order#:	G0305583
P.O. BOX 50685	Project:	0-0100-20
MIDLAND, TX 79710	Project Name:	Dynegy/ Site #20
915-687-0456	Location:	None Given

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

<u>Lab ID:</u>	Sample :	Matrix:		Date / Time <u>Collected</u>	Date / Time <u>Received</u>	Container	Preservative
	Chloride						
0305583-08	SS-8 (6')	SOIL		1/29/03 10:56	1/29/03 16:35	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 7.0 C		
	8015M						
	Chloride		··				
0305583-09	SS-9 (7')	SOIL		1/29/03 10:58	1/29/03 16:35	4 oz glass	Ice
La	<u>b Testing:</u>	Rejected:	No	Tem	p: 7.0 C		
	8015M						
	Chloride						
0305583-10	SS-10 (Surface)	SOIL		1/29/03	1/29/03	4 oz glass	Ice
T	L Tasting.	Doiootodi	No	11:00 T	16:35		
	<u>o Tesung:</u>	Kejecieu.	NU	Iem	p: 7.0 C		
	8015M Chlorida						
	Chioride				·	- AP-00-0-2-	
0305583-11	SS-11 (2')	SOIL		1/29/03	1/29/03	4 oz glass	Ice
-		nation 1	Ma	11:02	16:35		
	<u>b Testing:</u>	Rejected:	NO	Tem	p: 7.0 C		
	8015M						
	Chloride						
0305583-12	SS-12 (4')	SOIL		1/29/03	1/29/03	4 oz glass	Ice
_				11:04	16:35		
<u>La</u>	ib Testing:	Rejected:	No	Ten	ар: 7.0 C		
	8015M						
	Chloride						
0305583-13	SS-13 (6')	SOIL		1/29/03 11:06	1/29/03 16:35	4 oz glass	Ice
<u>La</u>	<u>ıb Testing:</u>	Rejected:	No	Ten	np: 7.0 C		
	8015M						
	Chloride						

LARSON AND ASSOCIATES, INC.Order#:G0305583P.O. BOX 50685Project:0-0100-20MIDLAND, TX 79710Project Name:Dynegy/ Site #20915-687-0456Location:None Given

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

				Date / Time	Date / Time		
<u>Lab ID:</u>	Sample :	<u>Matrix:</u>		Collected	Received	Container	Preservative
0305583-14	SS-14 (8')	SOIL		1/29/03 11:08	1/29/03 16:35	4 oz glass	Ice
Lal	<i>5 Testing:</i> 8015M	Rejected:	No	Ter	np: 7.0 C		
	Chloride						

Ð

I

CINDY CRAIN LARSON AND ASS P.O. BOX 50685 MIDLAND, TX 79	OCIATES, INC. 710			Order#: Project: Project Name Location:	G0305 0-0100 : Dyneg None (583)-20 gy/ Site #20 Given	
Lab ID:	0305583-01						
Sample ID:	SS-1 (Surface)						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	<u>Analyst</u>	Method
			1/30/03	1	1	СК	8015M
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		70.0		10.0	
		TOTAL, C6-C35		70.0		10.0	
		Surroga	tes	% Recovered	QC Limi	ts (%)	
		1-Chloroocta	ane	107%	70	130	
		1-Chloroocta	decane	117%	70	130	
Lab ID: Sample ID:	0305583-02 SS-2 (2')						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	<u>Analyzed</u>	Amount	<u>Factor</u>	<u>Analyst</u>	Method
			1/30/03	1	1	СК	8015M
					···		
		Parameter		Result mg/kg		RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL C6-C35		<10.0	_	10.0	

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	100%	70	130
1-Chlorooctadecane	108%	70	130

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

I

R

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G0 0-0 e: Dy No	305583 100-20 /negy/ Site #20 ne Given	
Lab ID:	0305583-03						
Sample ID:	SS-3 (4')						
				8015M			
	Method	Date	Date	Sample	Diluti	D n	
	<u>Blank</u>	Prepared	Analyzed	Amount	Facto	r <u>Analyst</u>	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul mg/kg	t	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surrogat	es	% Recovered	QC L	imits (%)	
		1-Chloroocta	ine	98%	70	130	
		1-Chloroocta	decane	106%	70	130	
Lab ID: Sample ID:	0305583-04 SS-4 (6')						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Diluti <u>Facto</u>	on o <u>r Analyst</u>	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul mg/kg	t s	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0)	10.0	

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	95%	70	130
1-Chlorooctadecane	104%	70	130

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

I

i

H

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G03(0-01(e: Dyn None	05583 00-20 egy/ Site #20 e Given	
Lab ID:	0305583-05						
Sample ID:	SS-5 (Surface)						
				8015M			
	Method	Date	Date	Sample	Dilutior	ı	
	Blank	Prepared	Analyzed	<u>Amount</u>	<u>Factor</u>	<u>Analyst</u>	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul	t	RL	
				mg/kg	5		
		GRO, C6-C12		<10.0) 	10.0	
		DRO, >C12-C35		40.5		10.0	
		101AL, C6-C35		40.5		10.0	
		Surroga	tes	% Recovered	QC Lin	nits (%)	
		1-Chlorooct	апе	87%	70	130	
		1-Chlorooct	adecane	95%	70	130	
Lab ID:	0305583-06						
Sample ID:	SS-6 (2')						
				8015M			
	Method	Date Prenared	Date Analyzed	Sample	Dilution Factor	1 Anglyst	Method
	DIANK	Ticpareu	1/30/03	<u>Amount</u> 1	<u>Factor</u> 1	CK	8015M
			1.0 5/ 00	1	1	UN	UV A DAYA
		Parameter	<u></u>	Resul	t	RL	
		GRO C6-C12		<10.0	5	10.0	
		010,00-012		-10.0			
		DRO. >C12-C35		54.6		10.0	

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	91%	70	130
1-Chlorooctadecane	96%	70	130

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

ł

H

H

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Nam Location:	G030 0-010 e: Dyne None	5583 0-20 gy/ Site #20 Given	
Lab ID: Sample ID:	0305583-07 SS-7 (4')						
				8015M			
	Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
	Diana		1/30/03	1	1	CK	8015M
		Parameter		Resul	lt	RL	
		GPO C6 C12	<u> </u>	mg/kg	3	10.0	
		DRO > C12 - C35		183		10.0	
		TOTAL, C6-C35		183		10.0	
		L					
		Surroga	ites	% Recovered	QC Lim	its (%)	
		1-Chlorooct	ane	99%	70	130	
		1-Chlorooc	adecane	106%	70	130	
I ah ID:	0305583-08						
Sample ID:	SS-8 (6')						
:				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul mg/kg	lt	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		<10.0)	10.0	
		TOTAL, C6-C35		<10.0)	10.0	
					T		
		Surrog	ates	% Recovered	QC Lim	its (%)	

89%

94%

70

70

130

130

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

1-Chlorooctane

1-Chlorooctadecane

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	ASSOCIATES, INC. 79710			Order#: Project: Project Name Location:	G03 0-01 e: Dyi Non	05583 00-20 1egy/ Site #20 e Given	
Lab ID:	0305583-09						
Sample ID:	SS-9 (7')						
				8015M			
	Method	Date	Date	Sample	Dilutio	n	
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul mg/kg	t s	RL	
		GRO, C6-C12		<10.0	, , , , , , , , , , , , , , , , , , , ,	10.0	
		DRO, >C12-C35		<10.0		10.0	
		TOTAL, C6-C35		<10.0		10.0	
		Surroga	tes	% Recovered	QC Li	mits (%)	
		1-Chloroocta	ane	85%	70	130	
		1-Chlorooct	adecane	89%	70	130	
x 1 xD	0305503 10						
Lap ID: Sample ID:	0303383-10 SS-10 (Surface)						
Sample ID.	65-10 (Surface)			0.01 = 5			
		_	-	8015M			
	Method Blank	Date Prenared	Date Analyzed	Sample Amount	Dilutio Factor	N • Analvet	Method
	DIALIK	Trepared	1/30/03	1	1	CK	8015M
				*	•		
		Parameter		Resul mg/kg	t s	RL	

 mg/kg
 RL

 GRO, C6-C12
 <10.0</td>
 10.0

 DRO, >C12-C35
 43.1
 10.0

 TOTAL, C6-C35
 43.1
 10.0

Surrogates	% Recovered	QC Li	mits (%)
1-Chlorooctane	80%	70	130
1-Chlorooctadecane	86%	70	130

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

11

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

CINDY CRAIN LARSON AND A P.O. BOX 50685 MIDLAND, TX	SSOCIATES, INC. 79710			C P P L	Order#: Project: Project Name Location:	G03 0-01 :: Dy: Non	05583 100-20 negy/ Site #20 ne Given	
Lab ID:	0305583-11							
Sample ID:	SS-11 (2')							
				8015	M			
	Method	Date	Date	S	ample	Dilutio	n	
	Blank	Prepared	Analyzed	<u>A</u>	mount	Facto	<u>Analyst</u>	Method
			1/30/03		1	1	СК	8015M
		Parameter			Result	;	RL	
		GRO. C6-C12			<10.0		10.0	
		DRO, >C12-C35			36.9		10.0	
		TOTAL, C6-C35	<u></u>		36.9		10.0	
		L						
		Surrogat	es	%	Recovered	QC Li	mits (%)	
		1-Chloroocta	ine		95%	70	130	
		1-Chloroocta	decane		103%	70	130	
Lab ID: Sample ID:	0305583-12 SS-12 (4')							
				8015	M			
	Method <u>B</u> lank	Date <u>Prepared</u>	Date <u>Analyzed</u>	S A	ample <u>mount</u>	Dilutio <u>Facto</u>	n <u>Analyst</u>	Method
			1/30/03		1	1	СК	8015M
		Parameter			Result mg/kg	t	RL	
		GRO, C6-C12			<10.0		10.0	
		DRO, >C12-C35			55.5		10.0	
		TOTAL, C6-C35			55.5		10.0	

Surrogates	% Recovered	QC Limits (%)		
1-Chlorooctane	89%	70	130	
1-Chlorooctadecane	99%	70	130	

Page 6 of 7

ENVIRONMENTAL LAB OF TEXAS I, LTD.

H

ł

Ĩ

Î

Ì

LARSON AND A P.O. BOX 50685 MIDLAND, TX	SSOCIATES, INC. 79710			Order#: Project: Project Nam Location:	G0309 0-0100 e: Dyne None	5583 0-20 gy/ Site #20 Given	
Lab ID: Sample ID:	0305583-13 SS-13 (6')						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	<u>Analyst</u>	Method
			1/30/03	1	1	СК	8015M
		Parameter		Resul mg/kg	t s	RL	
		GRO, C6-C12		<10.0		10.0	
		DRO, >C12-C35	·	<10.0		10.0	
		TOTAL, C6-C35	j	<10.0		10.0	
		Surrog	ates	% Recovered	QC Lim	its (%)	
		1-Chlorooc	tane	91%	70	130	
		1-Chlorooc	tadecane	98%	70	130	
Lab ID: Sample ID:	0305583-14 SS-14 (8')	1-Chlorooc	tadecane	98%	70	130	
Lab ID: Sample ID:	0305583-14 SS-14 (8') Mathad	1-Chlorooc	tadecane	98%	70	130	
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method Blank	1-Chlorooc Date Prepared	tadecane Date Analyzed	98% 8015M Sample Amount	70 Dilution Factor	130 Analyst	<u>Method</u>
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	1-Chlorooc Date <u>Prepared</u>	tadecane Date <u>Analyzed</u> 1/30/03	98% <i>8015M</i> Sample <u>Amount</u> 1	70 Dilution <u>Factor</u> 1	130 Analyst CK	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	1-Chlorooc Date <u>Prepared</u> Parameter	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg	Dilution Factor 1	130 <u>Analyst</u> CK RL	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	Date Prepared Parameter GRO, C6-C12	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg <10.0	70 Dilution Factor 1 1	Analyst CK RL 10.0	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	DatePreparedParameterGRO, C6-C12DRO, >C12-C35	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg <10.0 102	Dilution Factor 1	130 Analyst CK RL 10.0 10.0	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	DatePreparedParameterGRO, C6-C12DRO, >C12-C35TOTAL, C6-C35	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg <10.0 102 102	Dilution Factor 1	130 Analyst CK RL 10.0 10.0 10.0	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	1-Chlorooc Date Prepared Parameter GRO, C6-C12 DRO, >C12-C35 TOTAL, C6-C35	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg <10.0 102 102	70 Dilution Factor 1	Analyst CK RL 10.0 10.0 10.0	<u>Method</u> 8015M
Lab ID: Sample ID:	0305583-14 SS-14 (8') Method <u>Blank</u>	1-Chlorooc Date Prepared Parameter GRO, C6-C12 DRO, >C12-C35 TOTAL, C6-C35 Surrog	tadecane Date <u>Analyzed</u> 1/30/03	98% 8015M Sample <u>Amount</u> 1 Resul mg/kg <10.0 102 102 % Recovered	70 70 Dilution Factor 1 It 3 QC Lim	Analyst CK RL 10.0 10.0 its (%)	<u>Method</u> 8015M

-03-03 Approval: ulan

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

Date

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

Page 7 of 7

ENVIRONMENTAL LAB OF TEXAS I, LTD.

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

Test Paran Parameter Chloride	meters	<u>Result</u> 53.2	<u>Units</u> mg/kg	Dilutio <u>Factor</u> 1	n <u>r RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/30/03	<u>Analyst</u> SB
Lab ID: Sample ID:	0305583-06 SS-6 (2')							
Parameter Chloride		<u>Result</u> 106	<u>Units</u> mg/kg	<u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Analyzed 1/30/03	<u>Analyst</u> SB
Test Parar	neters			Dilutio	n		Date	
Lab ID: Sample ID:	0305583-05 SS-5 (Surface)							
Chloride	<u></u>	<20	mg/kg	<u>1</u>	20	9253	1/30/03	SB
Test Paran Parameter	neters	Result	Units	Dilution	n PT.	Method	Date Analyzed	Anglyst
Lab ID: Sample ID:	0305583-04 SS-4 (6')							
Chloride		443	mg/kg	1	20	9253	1/30/03	SB
<i>Test Paran</i> Parameter	neters	Result	Units	Dilution Factor	n · RL	Method	Date Analyzed	Analyst
Lab ID: Sample ID:	0305583-03 SS-3 (4')							
Chloride		<20	mg/kg	1	20	9253	1/30/03	SB
Test Paran Parameter	neters	Result	Units	Dilution	1 BL	Method	Date Analyzed	Analyst
Lab ID: Sample ID:	0305583-02 SS-2 (2')							
Chloride		<u>Result</u> <20	<u>Units</u> mg/kg	Factor 1	20	<u>Method</u> 9253	<u>Analyzed</u> 1/30/03	<u>Analyst</u> SB
Test Paran	neters			Dilutio	n		Date	
Lab ID: Sample ID:	0305583-01 SS-1 (Surface)							
CINDY CRAIN LARSON AND P.O. BOX 5068 MIDLAND, TY	ASSOCIATES, INC. 5 X 79710		Order# Project Project Locatio	f: t: t Name: on:	G0305583 0-0100-20 Dynegy/ Site None Given	: #20		

RL = Reporting Limit N/A = Not Applicable

Ð

Π

1

Page 1 of 3

ASSOCIATES, INC. 79710		Order# Project Project Locatio	#: t: t: Name: Dn:	G0305583 0-0100-20 Dynegy/ Site None Given	e #20		
0305583-07 SS-7 (4')							
eters	Result	Units	Dilution Factor	n RL	Method	Date Analyzed	Analyst
	<20	mg/kg	1	20	9253	1/30/03	SB
0305583-08 SS-8 (6')			***				
peters	Decult	¥1	Dilution	n . Di	b #_463	Date	A v olivot
	<u>-20</u>	mg/kg	<u>Factor</u> 1	20	9253	1/30/03	<u>Analyst</u> SB
0305583-09 SS-9 (7')	<u>,</u>						
neters	Result	Units	Dilution <u>Factor</u>	n <u>: RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
	443	mg/kg	1	20	9253	1/30/03	SB
0305583-10 SS-10 (Surface)							
neters	D	T Tao 24 a	Dilution	n . DI	N <i>A</i> L - - J	Date	4 m a lava4
	<u>Result</u> <20	<u>Units</u> mg/kg	<u>Factor</u> 1	20	9253	<u>Analyzed</u> 1/30/03	<u>Analyst</u> SB
0305583-11 SS-11 (2')						<u></u>	
neters	Result	Units	Dilutio <u>Factor</u>	n <u>r RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
	70.9	mg/kg	1	20	9253	1/30/03	SB
0305583-12 SS-12 (4')							
neters	Result	Units	Dilutio <u>Facto</u>	n <u>r RL</u>	Method	Date <u>Analyzed</u>	Analyst
	ASSOCIATES, INC. 79710 0305583-07 SS-7 (4') eters 0305583-08 SS-8 (6') eters 0305583-09 SS-9 (7') eters 0305583-10 SS-10 (Surface) eters 0305583-11 SS-11 (2') heters 0305583-12 SS-12 (4') heters	ASSOCIATES, INC. 79710 0305583-07 SS-7 (4') eters	ASSOCIATES, INC. Project Proj	ASSOCIATES, INC. Project: Project Name: Dilution: 79710 Location: 0305583-07 SS-7 (4') Dilution: eters Dilution: 0305583-07 SS-7 (4') Result Units eters Dilution: <20	ASSOCIATES, INC. Project: 0-0100-20 79710 Location: None Given 0305583-07 SS-7 (4') SS-7 (4') etters Result Units Factor 0305583-08 SS-8 (6') 1 20 0305583-08 SS-8 (6') Project: None Given etters Result Units Factor RL	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

RL = Reporting Limit N/A = Not Applicable

0

Ð

H

⊞

l

Page 2 of 3

CINDY CRAIN LARSON AND P.O. BOX 50685 MIDLAND, TX	CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710		Order#: Project: Project Name: Location:		G0305583 0-0100-20 Dynegy/ Site #20 None Given			
Lab ID: Sample ID:	0305583-13 SS-13 (6')					· · · · · · · · · · · · · · · · · · ·		
Test Parameters Parameter Chloride		<u>Result</u> <20	Diluti <u>Units</u> Fact mg/kg 1		<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/30/03	<u>Analyst</u> SB
Lab ID: Sample ID:	0305583-14 SS-14 (8')							
Test Paran Parameter Chloride	neters	<u>Result</u> <20	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/30/03	<u>Analyst</u> SB

2-03-03 Approval: Kalandk. June Date

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

RL = Reporting Limit N/A = Not Applicable

Ī

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

A

P

ł

Order#: G0305583

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004499-02		(<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305583-03	0	952	788	82.8%	
MSD	SOIL	LAB-IÐ #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	·	0305583-03	0	952	800	84.%	1.5%
SRM	SOIL	LAB-ID #	Sample Concentr,	Spike Concentr,	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004499-05		1000	866	86.6%	

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

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0305583

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004484-01			<20		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305582-01	124	1000	1120	99.6%	
MSD	SOIL	LAB-1D #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305582-01	124	1000	1130	100.6%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004484-04		5000	4960	99.2%	

l

i

CLIENT NA	ME:	の新に得たわえ	で、記録の目前のための	5	SITE MANAGER	2		and Anthropode	DAD	A AAETEDS /AA		ED	CHAIN	-OFCUSTODY RECO
J) พุกษณุ	~			Charly L	rain		 !	<u>د</u>					
PROJECT N	40.: - 0100	21	6		ROJECT NAMI	л С		SAJNIATN						1 & CITES, Inc. Fax: 915-687-0456 intel Consultants 915-687-0901
PAGE /	ъ			LAB. PC	# 0			DF COM	10 71.	7.0			507 N. Mari	enfeld, Ste. 202 • Midland, TX 797
ILTO	JUNI	MATER	1105	d'altro	SAMPLE IDENTI	IFICATION			19147				Lab. I.D. Number (Lab Use Only)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
129103	1047		7		55-1	(Suface)			7				5 305583 -oi	
1	1044		7		55.2	(\mathcal{I})		-	7				20	
1	1046		7		55 3	(4.)		1	7 7				63	
*	1048		7		55-4	(16.)		,	7 7				10	
	1050		7		55-5	(Surface			7 7				20	
2	1052		7		55-6	(\mathcal{I})			7				St.	
ij	1054		7		55-7	(1)			$\frac{1}{2}$				10	
4	1036		7		55-8	/e`)		_	7 7				80	
4	1058		7		55.9	(2.)			7 7				ц	
41	0011		7		55-10	(Surtare		_	7 7			_	10	
11	1102		7		55-11	((I) (I) (I) (I) (I) (I) (I) (I) (I) (I	2 ·)	_	7				11	
tr	104		7		55-12	((1 ()) (4	(\cdot)	_	<u>></u>				2	
11	1104		/	· 1	55.13	10 (#) (1			<u>`</u>				[3	
"	1108		$\overline{\ }$,	55-H	((((((((((((((((((((8')		7				4	
A														
4														
									_					
	Ś	$\overline{\langle}$												
SAMPLE	BY: (Sig	poture			DATE: TIME:	11/5 REI	LINQUISHEI	0 BY: (S	ignatur	e)	DATE:	2	ceived BY: (Sign	ature) DATE: TIME:
RELINQUI	ISHED BY	: (Sigpt	iture)		DATE	1/29/03 REC	CEIVED BY:	(Signat	ure)		DATE:	SA	MPLE SHIPPED B	3Y: (Circle)
	1 Ale	Ĵ	nen		TIME	1635					TIME:	Ē	DEX	BUS AIRBILL #:
COMMEN	VTS: 0									TURNARO	UND TIME NEEDE		TAND DELIVERED	UPS OTHER:
												₹₽	hite – receivi Llow – receivi	ng lab Ng lab ito be returned to
RECEIVIN	G LABOR	RATORY	<u>छ</u>]3	<u></u>	. JOGS	<u>/ex45</u>	R		BY: (Siç	gnature)	et the second			ER RECEIPT) T MANAGED
CITY: C	SSY				HONE: 56	ZIP: 7	2 202 D	ATE: ¿	1-29-	O3 TIME:	1635	<u>5</u> 		COORDINATOR
SAMPLE CC	NDITION W	VHEN REC	EIVED:					LA CO	NTACT	PERSON:		SA	MPLE TYPE:	
				Ç	ر			1. 18 A. 1						$\langle O(1)$

1

:

. |

i

I

ANALYTICAL REPORT

Prepared for:

Ð

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

Project: Dynegy/ Site #20

PO#:

Order#: G0305596

Report Date: 01/31/2003

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

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 915-687-0456 Order#:G0305596Project:0-0100-20Project Name:Dynegy/ Site #20Location:None Given

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

			Date / Time	Date / Time		
<u>Lab ID:</u>	Sample :	Matrix:	Collected	Received	<u>Container</u>	Preservative
0305596-01	SS-15 (29')	SOIL	1/30/03	1/30/03	4 oz glass	Ice
			14:52	17:25		
<u>La</u>	<u>b Testing:</u>	Rejected: No	Tem	ip: 3.5 C		
	8015M					
	8021B/5030 BTEX					
·	Chloride					
0305596-02	SS-16 (12')	SOIL	1/30/03	1/30/03	4 oz glass	Ice
			15:00	17:25		
<u>La</u>	<u>b Testing:</u>	Rejected: No	Tem	ар: 3.5 C		
l	8015M					
	8021B/5030 BTEX					
	Chloride					

CINDY CRAIN LARSON AND ASSO P.O. BOX 50685 MIDLAND, TX 7971	OCIATES, INC.				Order#: Project: Project Name Location:	G0 0-0 :: Dy No	305596 100-20 negy/ Site # ne Given	20	
Lab ID: (Sample ID: S)305596-01 58-15 (29')								
				801	5 <i>M</i>				
	Method	Date	Date	5	Sample	Diluti	0 n		
	Blank	Prepared	Analyzed	A	mount	Facto	<u>r Ana</u>	lyst	Method
			1/31/03		1	1	CI	ĸ	8015M
		Parameter			Result mg/kg	:	RL		
		GRO, C6-C12			669		10.0		
		DRO, >C12-C3:	5		1,790		10.0		
		TOTAL, C6-C3	5		2,459		10.0		
		Surrog	rates		Recovered	00.1	imits (%)		
		1-Chlorooc	tane		95%	70	130		
		1-Chlorood	ctadecane		122%	70	130		
			80211	B/503	30 BTEX				
	Method	Date	Date	5	Sample	Diluti	on		
	Blank	Prepared	Analyzed	A	mount	Facto	or <u>Ana</u>	lyst	Method
	0004493-02	2	1/30/03 9:15		1	25	Cl	К	8021B
		Parameter			Result mg/kg	;	RL		
		Benzene			0.893		0.025	{	
		Toluene	······		1.32		0.025		
		Ethylbenzene			5.45		0.025		
		p/m-Xylene			12.7		0.025		
		o-Xylene			3.17		0.025		
		Surrog	gates	- %	Recovered	QC L	imits (%)		
		aaa-Tolue	ne		642%	80	120		
		Bromofluo	robenzene		113%	80	120		

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

ļ

i

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

CINDY CRAIN LARSON AND AS P.O. BOX 50685 MIDLAND, TX 7	SOCIATES, INC. 9710			Order#: Project: Project Nam Location:	G0. 0-0 ie: Dy Noi	305596 100-20 negy/ Site #20 ne Given	
Lab ID: Sample ID:	0305596-02 SS-16 (12')						
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Facto</u>	on <u>r Analys</u>	t <u>Method</u>
			1/31/03	1	1	СК	8015M
		Parameter		Resu mg/kg	lt g	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C3	5	96.9)	10.0	
		TOTAL, C6-C3	5	96.9)	10.0	
		Surrog	ates	% Recovered	OC L	imits (%)	
		1-Chlorood	tane	88%	70	130	
		1-Chiorood	tadecane	93%	70	130	
			8021E	3/5030 BTEX	C		
	Method	Date	Date	Sample	Diluti	on	
	Blank	Prepared	Analyzed	Amount	Facto	r <u>Analys</u>	t <u>Method</u>
	0004493-02	2	1/30/03 9:37	1	25	СК	8021B
		Parameter		Resu mg/kg	lt g	RL	
		Benzene		<0.02	5	0.025	
		Toluene		< 0.02	5	0.025	
		Ethylbenzene		<0.02	5	0.025	
				-0.03	-	0.025	1
		p/m-Xylene		<0.02	5	0.020	
		p/m-Xylene o-Xylene		<0.02	5	0.025	
		p/m-Xylene o-Xylene	rates	<0.02 <0.02	5	0.025	
		p/m-Xylene o-Xylene Surrog aaa-Tolue	gates	<0.02 <0.02 % Recovered 92%	5 5 QC L 80	0.025	

Approval: <u>Approval:</u> <u>OI-31-03</u> Raland K. Tutffe, Lab Director, QA Officer **0** Date Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech. Sara Molina, Lab Tech.

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

ENVIRONMENTAL LAB OF TEXAS I, LTD.

CINDY CRAIN LARSON AND P.O. BOX 5068 MIDLAND, T	N) ASSOCIATES, INC. 35 X 79710		Order# Project Project Locatio	4: O t: O t Name: I Dn: N	G0305596 0100-20 Dynegy/ Site None Given	#20	<u></u>	
Lab ID: Sample ID:	0305596-01 SS-15 (29')							
Test Paral Parameter	meters	Result	Units	Dilution <u>Factor</u>	<u>RL</u>	Method	Date <u>Analyzed</u>	<u>Analyst</u>
Chloride		142	mg/kg	1	20	9253	1/31/03	SB
Lab ID: Sample ID:	0305596-02 SS-16 (12')							
Test Paran Parameter Chloride	meters	<u>Result</u> 142	<u>Units</u> mg/kg	Dilution <u>Factor</u> 1	<u>RL</u> 20	<u>Method</u> 9253	Date <u>Analyzed</u> 1/31/03	<u>Analyst</u> SB

Approval: <u>Officer</u> <u>Oi-31-03</u> Raland K. Tuttle, Lab Director, QA Officer <u>Date</u> Celey D. Keene, Org. Tech. Director Jeanne McMurrey, Inorg. Tech. Director Sandra Biezugbe, Lab Tech.

Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

ENVIRONMENTAL LAB OF TEXAS I, LTD.

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

IJ

H

Order#: G0305596

BLANK	SOIL	LAB-1D #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004499-02			<10.0		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0305583-03	0	952	788	82.8%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	· · · · · · · · · · · · · · · · · · ·	0305583-03	0	952	800	84.%	1.5%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0004499-05	· · · · · · · · · · · · · · · · · · ·	1000	866	86.6%	

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

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

Order#: G0305596

BLANK SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004493-02			<0.025		
Toluene-mg/kg	0004493-02		-	<0.025		
Ethylbenzene-mg/kg	0004493-02	·		<0.025		
p/m-Xylene-mg/kg	0004493-02		1	<0.025		
o-Xylene-mg/kg	0004493-02			<0.025		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004493-03		0.1	0.107	107.%	
Toluene-mg/kg	0004493-03		0.1	0.109	109.%	
Ethylbenzene-mg/kg	0004493-03		0.1	0.105	105.%	
p/m-Xylene-mg/kg	0004493-03		0.2	0.235	117.5%	
o-Xylene-mg/kg	0004493-03		0.1	0.106	106.%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004493-04		0.1	0.101	101.%	5.8%
Toluene-mg/kg	0004493-04		0.1	0.105	105.%	3.7%
Ethylbenzene-mg/kg	0004493-04		0.1	0.102	102.%	2.9%
p/m-Xylene-mg/kg	0004493-04		0.2	0.231	115.5%	1.7%
o-Xylene-mg/kg	0004493-04		0.1	0.103	103.%	2.9%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/kg	0004493-05		0.1	0.094	94.%	
Toluene-mg/kg	0004493-05		0.1	0.094	94.%	
Ethylbenzene-mg/kg	0004493-05		0.1	0.086	86.%	
p/m-Xylene-mg/kg	0004493-05		0.2	0.193	96.5%	
o-Xylene-mg/kg	0004493-05		0.1	0.087	87.%	

1

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

Test Parameters

Order#: G0305596

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004494-01			<20		
MS	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305586-01	213	1000	1200	98.7%	
MSD	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0305586-01	213	1000	1220	100.7%	1.7%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Chloride-mg/kg		0004494-04		5000	4960	99.2%	

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

CASE NARRATIVE ENVIRONMENTAL LAB OF TEXAS

Prepared for:

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 Order#: G0305596

Project: Dynegy/ Site #20

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

SAMPLE ID	LAB ID	MATRIX	Date Collected	Date Received
SS-15 (29')	0305596-01	SOIL	01/30/2003	01/30/2003
SS-16 (12')	0305596-02	SOIL	01/30/2003	01/30/2003

Surrogate recoveries on the 8021B BTEX are outside control limits due to matrix interference from coeluting compounds. (0305596-01)

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

Approved By: <u>Jana Momuney</u> Environmental Lab of Texas I, Ltd. Date: 01-31-03

client name:			Sector Second	SITE MANAGER:		24 A 44	ΡA	RAMET	rers//	METHO		IMBER	CH	AIN-	-OFCL	ISTODY I	RECORD
Dyneg	×			Cinety Crain													
PROJECT NO.:				PROJECT NAME:		NEBS	W						4	ssocic	& Nes. Inc.	Fax. 915-687	-0456
110-0	×- Ol	0		Site #20		IATNC	<u>,</u> 510	2,6					•	Environmei	ntal Consultants	915-68	1060-2
PAGE OF			LAB. F	# Od		OF CC	28	1=					507	N. Marie	snfeld, Ste. 2	02 • Midland	, TX 79701
3WIL 3.WIL	ATTER	11 ₀₅	OTHER	SAMPLE IDENTIFICATION		NUMBER	HJL.	218					IAB L (LAB L	B. I.D. IMBER ISE ONLY	(I.E. PRE	Remarks Filtered, Unfilter Served, Unpreser Grab composite)	RED, VED,
13063 1452		7		55-15 4 2 (2)/2	<i>ф</i> ()	_	>						0305	10-01-51			
1500		7		55-16 (121)		-	3	>						20			
							_+	_+		_+	_						
													_				
								+-									
																	50.00
										_							
								_									
																Ì	
								<u> </u>									
SAMPLED BY: (S)	gnorure			DATE: <u>/30/6</u> 3 REI TIME: <u>/500</u>	LINQUISHE	D BY: (5	ignatu	re)			ATE		RECEIVED	BY: (Signc	iture)	7 <u>0</u> 12	ATE: ME:
RELIDACIUSHED B	ugist,	ature)		DATE: 1/30/03 REI	CEIVED BY:	(Signa	ture)				ATE: L	50.2	SAMPLE S	HIPPED B	Y: (Circle)		
(when l	Nelle	1		TIME: 1725	Ц С	2	イン	Ċ			T:JWE:	571	FEDEX	ſ	BUS	AIRBILL #:	
comments: Piease ia	11 C.	Can	I'm c	Verbel results 1	556-1	5005			URNAR Bi	HS/	ime ne		WHITE	- RECEIVIN	VPS VG LAB	OTHEK:	
RECEIVING LABC	RATORY			<u>co7</u>		CEIVE	BY: (S	ignatur	1	$ \mathcal{O}_{n} $				- RECEIVII LA AFTE	R RECEIPT)		an garage di a
CUTY:				STATE: ZIP: PHONE:		ATE: _	jų,	200	IME		72.	2	GOLD	- QA/QC		~	
SAMPLE CONDITION	WHEN RE(ceived:				LA CO	NTACT	PERSO	7				SAMPLE 1	, YPE:			2 ₁ 2 <u>1</u> . 3
					3.5 C									N.	211		

Ľ

1

l

Ø

Ð

ANALYTICAL REPORT

Prepared for:

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

Project:	Dynegy Site #20
PO#:	0-0100-20
Order#:	G0307960
Report Date:	11/19/2003

Certificates US EPA Laboratory Code TX00158

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

LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710 915-687-0456 Order#: G0307960 Project: Project Name: Dynegy Site #20 Location: Eunice, NM

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

Lab ID:	Sample :	Matrix:	Date / Time <u>Collected</u>	Date / Time <u>Received</u>	Container	Preservative_
0307960-01	Spoil-1	SOIL	11/17/03 12:10	11/17/03 16:00	4 oz Glass	Ice
<u>Lab</u>	8015M	Rejected: No	Ten	np: 5 C		
0307960-02	Spoil-2	SOIL	11/17/03 12:15	11/17/03 16:00	4 oz Glass	Ice
<u>Lab</u>	9 <i>Testing:</i> 8015M	Rejected: No	Ter	np: 5 C		

CINDY CRAIN LARSON AND ASSOCIATES, INC. P.O. BOX 50685 MIDLAND, TX 79710				Order#: Project: Project Name Location:	G030' e: Dyne Eunic	7960 gy Site #20 e, NM	
Lab ID: Sample ID:	0307960-01 Spoil-1						
				8015M			
	Method	Date	Date	Sample	Dilution		
	Blank	Prepared	Analyzed	Amount	Factor	Analyst	Method
			11/17/03	1	1	JLH	8015M
		Parameter	y	Resul	t	RL	
		GPO C6 C12		111g/kg		10.0	
		DRO > C12 - C35		987		10.0	
		TOTAL C6-C35		1.005		10.0	
Lab ID: Sample ID:	0307960-02 Spoil-2	1-Chloroocta 1-Chloroocta	ane adecane	98% 106%	70 70	130 130	
				8015M			
	Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u> 11/17/03	Sample <u>Amount</u> 1	Dilution <u>Factor</u> 1	<u>Analyst</u> JLH	<u>Method</u> 8015M
		Parameter		Resul mg/kg	t s	RL	
		GRO, C6-C12		<10.0)	10.0	
		DRO, >C12-C35		462		10.0	
		TOTAL, C6-C35		462		10.0	
		Surroga	tes	% Recovered	OC Lim	its (%)	
		1-Chlorooct	ane	Q2%	70	130	

91%

70

Approval: Kalandk 11-19-03 Date

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

130

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

1-Chlorooctadecane

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

i (

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

ENVIRONMENTAL LAB OF TEXAS QUALITY CONTROL REPORT

8015M

Order#: G0307960

BLANK SOIL	LAB-ID #	3-ID # Sample Spike QC Test Concentr. Concentr. Result		QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007467-02			<10.0		
CONTROL SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007467-03		952	1030	108.2%	
CONTROL DUP	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007467-04		952	1038	109.%	0.8%
SRM SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg	0007467-05	·····	1000	925	92.5%	

H

H

1

H

20	ециралость (Pre-Schedule) ТАТ H2UЯ			z
ANALYSIS REQUE	81EX 80218/2030 or 81EX 8260			i Intact?
DY RECORD AND ne: Unle t #: U - Un t #: Analyz oc: Luni 0 #: Analyz	Anions (Cl, SO4, CO3, HCO3) SAR / ESP / CEC Metals: As Ag Ba Cd Cr Pb Hg Se Volatiles			Sample Containers Temperature Upon Laboratory Comm
AIN OF CUSTO Project Nan Project L	∑ Soil ₹ Other (specify): 7 Cations (Ca, Mg, Na, K) 1006			Time Time
G	Sindge gi Valer Valer	2 7		
2) (23.	H ⁵ 20 ⁴ H ⁵ 20 ⁴ H ² H ² H ² H ²			
No: 14,2	No. of Containers			
Fax The The	Time Sampled	121		V: V: Las
1971.	Date Sampled	" " "		Received b
Texas 32-563-1800 32-563-1800 32-563-1713 Marican Marican Marican				e Time 103 1/200
Phone: 4 Phone: 4 Fax: 4 Fax: 4 Fax: 4 Mic/len	FIELD CODE	6		Dat 1///
hental st anager: y Name ddress: ate/Zip: ne No: nature:		Speil-1		14.4
Environr 12600 west I-20 Eas Odessa, Texas 7976 Project M Company A Company A City/St Telepho Sampler Sig	03079400 - LAB# (lab use only)	<u>o</u> b		Special Instructions: Relinguished by: Relifiquished by:

ß

ľ

ß

1

I

1

Analytical Report

E

I

E

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Lab Order Number: 4A06001

Report Date: 01/08/04

12600 West I-20 East - Odessa, Texas 79705 - (432) 563-1800 - Fax (432) 563-1713
Larson & Associates, Inc.	Project: Dynegy Site #20	(432) 687-0456
P.O. Box 50685	Project Number: 0-0100-20	Reported:
Larson & Associates, Inc.	Project Manager: Cindy Crain	01/08/04 17:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-2	4A06001-01	Soil	01/05/04 14:10	01/06/04 08:10
SS-3	4A06001-02	Soil	01/05/04 14:20	01/06/04 08:10
SS-4	4A06001-03	Soil	01/05/04 14:25	01/06/04 08:10
SS-5	4A06001-04	Soil	01/05/04 14:15	01/06/04 08:10
Spoil-1	4A06001-05	Soil	01/05/04 14:50	01/06/04 08:10
Spoil-2	4A06001-06	Soil	01/05/04 14:55	01/06/04 08:10

Environmental Lab of Texas

I

1

H

ľ

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

- 74

Raland Tuttle, Laboratory Director

Page 1 of 7

i.

E

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

Environmental Lab of Texas

Analyte	Recult	Reporting	Unite	Dilution	Datah	Dranarad	Analyzad	Mathod	Note
	icouit				Datch	ricpated	Anaryzeu		
SS-2 (4A06001-01) Soil Sampled: 01/05	5/04 14:10 R	Leceived: 01/0	6/04 08:10						S-0
Surrogate: 1-Chlorooctane		110 %	70-13)	EA40810	01/06/04	01/06/04	EPA 8015M	
Surrogate: 1-Chlorooctadecane		178 %	70-13)	"	"	"	"	S-0
Gasoline Range Organics C6-C12	1240	10.0	mg/kg dry	"	11	11	"	n	
Diesel Range Organics >C12-C35	3090	10.0	"	н			"		
Total Hydrocarbon C6-C35	4330	10.0	n	"	"	n	u	"	
SS-3 (4A06001-02) Soil Sampled: 01/05	5/04 14:20 R	Received: 01/0	6/04 08:10						
Surrogate: 1-Chlorooctane		89.4 %	70-13	2	EA40810	01/06/04	01/06/04	EPA 8015M	
Surrogate: 1-Chlorooctadecane		114 %	70-13)	"	"	"	"	
Gasoline Range Organics C6-C12	0.00	10.0	mg/kg dry	н	"	н	11	н	
Diesel Range Organics >C12-C35	20.6	10.0	H	11		н	H		
Total Hydrocarbon C6-C35	20.6	10.0	11	11	"		H	**	
SS-4 (4A06001-03) Soil Sampled: 01/05	5/04 14:25 F	Received: 01/0	6/04 08:10						
Surrogate: 1-Chlorooctane		89.6 %	70-13	0	EA40810	01/06/04	01/06/04	EPA 8015M	
Commenter 1 Chlores et al.				-				DI 11 0010101	
Surrogaie: I-Uniorooctaaecane		112 %	70-13)	"	"	"	"	
Gasoline Range Organics C6-C12	0.00	<i>112 %</i> 10.0	70-13 mg/kg dry	0 "	11 1 1 0 0 1 0 11	"	"	"	
Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35	0.00 24.5	<i>112 %</i> 10.0 10.0	70-13 mg/kg dry "	9 "		17 19 11	17 11 11	11 (OFFICE) 11 11	
Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35	0.00 24.5 24.5	112 % 10.0 10.0 10.0	70-13 mg/kg dry "	9 11 11	11 11 11	11 11 11	17 11 11 11	<i>и</i> <i>и</i> п	
Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35 SS-5 (4A06001-04) Soil Sampled: 01/05	0.00 24.5 24.5 5/04 14:15 F	112 % 10.0 10.0 10.0 Received: 01/0	70-13 mg/kg dry "	0 "" "		11 12 12	" " "	и и и и	S-0
Surrogaie: 1-Chiorooctaaecane Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35 SS-5 (4A06001-04) Soil Sampled: 01/0: Surrogate: 1-Chiorooctane	0.00 24.5 24.5 5/04 14:15 F	112 % 10.0 10.0 10.0 Received: 01/0 95.0 %	70-13 mg/kg dry " 96/04 08:10 70-13	0 "" " "	""""""""""""""""""""""""""""""""""""""	"" "" " 01/06/04	"" " " 01/06/04	""""""""""""""""""""""""""""""""""""""	S-0
Surrogaie: 1-Chiorooctaaecane Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35 SS-5 (4A06001-04) Soil Sampled: 01/0: Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctane	0.00 24.5 24.5 5/04 14:15 F	112 % 10.0 10.0 Received: 01/0 95.0 % 153 %	70-13 mg/kg dry " 96/04 08:10 70-13 70-13	0 " " " ? ?	<i>EA40810</i> "	"" " " 01/06/04 "	"" " " 01/06/04 "	""""""""""""""""""""""""""""""""""""""	S-0
Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35 SS-5 (4A06001-04) Soil Sampled: 01/09 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane Gasoline Range Organics C6-C12	0.00 24.5 24.5 5/04 14:15 F 767	112 % 10.0 10.0 Received: 01/0 95.0 % 153 % 10.0	70-13 mg/kg dry " " 96/04 08:10 70-13 70-13 mg/kg dry	0 "" " " ? ? ?	EA40810	" " " 01/06/04 "	"" " " 01/06/04 "	<i>EPA 8015M</i>	S-0 <i>S-0</i>
Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35 Total Hydrocarbon C6-C35 SS-5 (4A06001-04) Soil Sampled: 01/0: Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane Gasoline Range Organics C6-C12 Diesel Range Organics >C12-C35	0.00 24.5 24.5 5/04 14:15 F 767 2170	112 % 10.0 10.0 Received: 01/0 95.0 % 153 % 10.0 10.0	70-13 mg/kg dry " 96/04 08:10 70-13 70-13 mg/kg dry "	0 "" " " 2) ""	EA40810	" " " 01/06/04 " "	"" " " 01/06/04 " "	<i>EPA 8015M</i> "	S-0

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Q Q d Raland Tuttle, Laboratory Director

Page 2 of 7

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

(432) 687-0456 Reported: 01/12/04 10:26

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil-1 (4A06001-05) Soil Sampled:	01/05/04 14:50	Received: 0	1/06/04 08:	:10					
Surrogate: 1-Chlorooctane		98.6 %	70-1	130	EA40810	01/06/04	01/06/04	EPA 8015M	
Surrogate: 1-Chlorooctadecane		129 %	70-1	130	"	"	"	"	
Gasoline Range Organics C6-C12	669	10.0	mg/kg dry	"	u	u	u.	н	
Diesel Range Organics >C12-C35	1670	10.0		н	"	*	"	н	
Total Hydrocarbon C6-C35	2340	10.0	"	n	n		n		
Spoil-2 (4A06001-06) Soil Sampled:	01/05/04 14:55	Received: 0	1/06/04 08:	:10					

Surrogate: 1-Chlorooctane		92.8 %	70-130		EA40810	01/06/04	01/06/04	EPA 8015M	
Surrogate: 1-Chlorooctadecane		127 %	70-130		"	"	"	"	
Gasoline Range Organics C6-C12	239	10.0	mg/kg dry	н	и	н			
Diesel Range Organics >C12-C35	1500	10.0	H	11	"	н	"	"	
Total Hydrocarbon C6-C35	1740	10.0	11	"	N	"		"	

Environmental Lab of Texas

Kalan dK

Raland Tuttle, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

ł

Conventional Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Resul	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-2 (4A06001-01) Soil	Sampled: 01/05/04 14:10	Received: 01/06	/04 08:10			• •			
% Solids	88.0)	%	1	EA40702	01/07/04	01/07/04	% calculation	
SS-3 (4A06001-02) Soil	Sampled: 01/05/04 14:20	Received: 01/06	/04 08:10						
% Solids	90.0)	%	1	EA40702	01/07/04	01/07/04	% calculation	
SS-4 (4A06001-03) Soil	Sampled: 01/05/04 14:25	Received: 01/06	/04 08:10						
% Solids	88.0)	%	1	EA40702	01/07/04	01/07/04	% calculation	
SS-5 (4A06001-04) Soil	Sampled: 01/05/04 14:15	Received: 01/06	/04 08:10						
% Solids	91.()	%	1	EA40702	01/07/04	01/07/04	% calculation	
Spoil-1 (4A06001-05) So	il Sampled: 01/05/04 14:5	60 Received: 01/	/06/04 08:	10					
% Solids	81.0)	%	1	EA40702	01/07/04	01/07/04	% calculation	<u> </u>
Spoil-2 (4A06001-06) So	il Sampled: 01/05/04 14:5	5 Received: 01/	/06/04 08:	10					
% Solids	97.0)	%	1	EA40702	01/07/04	01/07/04	% calculation	<u> </u>

Environmental Lab of Texas

26 a Raland Tuttle, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA40810 - Solvent Extraction			<u> </u>					<u></u>		<u> </u>
Blank (EA40810-BLK1)				Prepared	& Analyz	ed: 01/06/	04			
Surrogate: 1-Chlorooctane	37.1		mg/kg	50.0		74.2	70-130			
Surrogate: 1-Chlorooctadecane	37.0		"	50.0		74.0	70-130			
Gasoline Range Organics C6-C12	0.00	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	0.00	10.0	11							
Total Hydrocarbon C6-C35	0.00	10.0	tı							
LCS (EA40810-BS1)				Prepared	& Analyz	ed: 01/06/	04			
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0	<i>.</i>	102	70-130			
Surrogate: 1-Chlorooctadecane	61.0		"	50.0		122	70-130			
Total Hydrocarbon C6-C35	831		"	1000		83.1	75-125			
Calibration Check (EA40810-CCV1)				Prepared	& Analyz	ed: 01/06/	04			
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	46.5		"	50.0		93.0	70-130			
Total Hydrocarbon C6-C35	940		11	1000		94.0	75-125			
Matrix Spike (EA40810-MS1)	So	urce: 4A060)01-0 2	Prepared & Analyzed: 01/06/04						
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0 115 70-130						
Surrogate: 1-Chlorooctadecane	60.0		"	50.0 120 70-130						
Total Hydrocarbon C6-C35	917		"	1000 18.5 89.8 70-130						
Matrix Spike Dup (EA40810-MSD1)	So	ource: 4A060	001-02	Prepared & Analyzed: 01/06/04						
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	60.5		"	50.0		121	70-130			
Total Hydrocarbon C6-C35	932		u	1000	18.5	91.4	70-130	1.77	30	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

dK - 10 Raland Tuttle, Laboratory Director

Page 5 of 7

Larson & Associates, Inc. P.O. Box 50685 Larson & Associates, Inc.		Project Nur Project Man	oject: Dy nber: 0-4 ager: Ci	vnegy Site # 0100-20 ndy Crain	ŧ20				(432) Rej 01/08	687-0456 ported: /04 17:41
Conventional (Chemistry Par E	ameters nvironm	by EP. ental l	A / Stan Lab of T	dard M exas	ethods	- Quali	ty Con	trol	
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA40702 - % Moisture										
Blank (EA40702-BLK1)				Prepared	& Analyze	ed: 01/07/0	04			
% Solids	100		%			•••••••	<u></u>	·		
Duplicate (EA40702-DUP1)	Sou	rce: 4A0200)1-01	Prepared	& Analyze	ed: 01/07/0	04			
% Solids	96.0		%	·	96.0			0.00	20	

Environmental Lab of Texas

Q

0

ĺ

Ð

1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

~dK Raland Tuttle, Laboratory Director

1

Page 6 of 7

ł

i

Larson P.O. Bo Larson	& Associates, Inc. x 50685 & Associates, Inc.	Project: Project Number: Project Manager:	Dynegy Site #20 0-0100-20 Cindy Crain	(432) 687-0456 Reported: 01/08/04 17:41					
		Notes and De	efinitions						
S-04	S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.								
DET	Analyte DETECTED								
ND	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

R

-

1.1.1

E

ļ

Environmental Lab of Texas

Raland Tuttle, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 7 of 7

CLIENT NAME:	「「「「」」」 「」」		SITE MANAGER:	そうち 小学生 大学学校 学校学校 御子 かったい 一般地		PA	RAMETERS/N	AETHOD N	UMBER	CHAIN	-OFCUSTODY RECORD
Dunzav			C. C.a.	117							
PROJECT NO.:			PROJECT NAME:		NEKS	k					1 &
0-0	· - JJ1	20	5, k #	20	IATNO	151				Environme	atal Consultants 432-687-0901
PAGE / OF	-		.AB. PO #		DF CC	08				507 N. Mari	enfeld, Ste. 202 • Midland, TX 79701
3W11 3140	MAJER	<i>1105</i>	SAMPLE IDENTIFIC	CATION	NUMBER (Hdl				Lab. I.D. NUMBER (LAB USE ONLY)	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, GRAB COMPOSITE)
15/64 1410	+	1	55.2			7				0408269-01	4AOWOOI
1 1420		7	S X X		1	7				20-	
50/71 h		1	55 4		į	7				-03	
0141 1		7	5.5		-	7				ha.	
" 1450		7	52011-1		-	7				-65	
" 1455		7	5001-J			7				70- 1	
									_		
2		-									
	+					-+					
SAMPLED BY: (S	gpature)		DATE: <u>/</u> TIME: <u>/</u>	500 RELINQUISHE	ED BY: (Signatı	ure)	Date: Time:		RECEIVED BY: (Sign	ature) DATE:
RELINQUISHED E	Y: (Signati	ure)	DATE: 1	14-16-4 RECEIVED BY:	: (Signa	ture)		DATE		SAMPLE SHIPPED B	Y: (Circle)
1 will	12	201	TIME: L	1810				TIME		FEDEX	BUS AIRBILL #:
COMMENTS							TURNARC	JUND TIME N	JEEDED	HAND DELIVERED	OTHER:
	:									WHITE - RECEIVI TELLOW - RECEIVI	NG LAB NG LAB (TO BE RETURNED TO
RECEIVING LABC	RATORY:	Env.	Labor TX	œ ·	ECEIVE	2) BY: (S	Signature)	1			RECEIPT)
CITY: Ocless			STATE: 72	ZIP: 19707			set TIME:	0810		GOLD - QA/QC	COORDINATOR
CONTROL.				- nnar							
SAMPLE CONDITION	· WHEN RECEI	ä V	Jced Hoz alass		LA CC	ONTACI	T PERSON:			SAMPLE TYPE:	
							and the second second second second second	and the second			「「「「「」」」」「「」」」」」」」」」」」」」」」」」」」」」」」」」

Ì

١

)ate/Time: 01-06-04 @ 0810					
Order #:G0406264 [440600]					
nitials:		~			
Sample Receir	ot Checkl	ict			
emperature of container/cooler?	(es)	No	-3.5	С	
hipping container/cooler in good condition?	(Tes)	No			
Custody Seals intact on shipping container/cooler?	Yes	No	Not prese		
bustody Seals intact on sample bottles?	Yes	No	(Not prese		
Sample Instructions complete on Chain of Custody?	(Tes)	No			
Chain of Custody signed when relinquished and received?	Tes	No			
Chain of custody agrees with sample label(s)	(Tes)	No			
Container labels legible and intact?	(Yes)	No			
ample Matrix and properties same as on chain of custody?	(Yes)	No			
Samples in proper container/bottle?	Ves	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			
	Yes	<u>No</u>	Not Applie	ablo	
Variance Docu Contact Person: Date/Time: Regarding:	umentatio	on:	Contacted	by:	
Corrective Action Taken:					
•					



Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Lab Order Number: 4A15003

Report Date: 01/20/04

Larson & Associates, Inc.Project: Dynegy Site #20(432) 687-0456P.O. Box 50685Project Number: 0-0100-20Reported:Larson & Associates, Inc.Project Manager: Cindy Crain01/20/04 12:35

500 - S

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-6	4A15003-01	Soil	01/14/04 14:10	01/15/04 08:35

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4A15003-01) Soil Sampled: 01/14/0	04 14:10 Re	ceived: 01/1	5/04 08:35						
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA41601	01/16/04	01/16/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	11		**	н	H	
Total Hydrocarbon C6-C35	ND	10.0	n	u		u	n	n	
Surrogate: 1-Chlorooctane		83.8 %	70-1	30	"	"	"	"	
Surrogate: I-Chlorooctadecane		106 %	70-1.	30	"	u	"	"	

Environmental Lab of Texas

븮

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Raland Tuttle, Laboratory Director

Page 2 of 7

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

			Reporting							
Analyte		Resul	t Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-6 (4A1	5003-01) Soil	Sampled: 01/14/04 14:10	Received: 01/15	5/04 08:3	5					
% Solids		90.0)	%	1	EA41603	01/15/04	01/16/04	% calculation	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

land Raland Tuttle, Laboratory Director

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

Page 3 of 7

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EA41601 - 1005 TX										
Blank (EA41601-BLK1)				Prepared	& Analyze	ed: 01/16/	04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	It							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	39.3		mg/kg	50.0		78.6	70-130			·
Surrogate: 1-Chlorooctadecane	45.7		"	50.0		91.4	70-130			
Blank (EA41601-BLK2)				Prepared:	01/16/04	Analyzed	1: 01/17/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet		u					
Diesel Range Organics >C12-C35	ND	10.0	15							
Total Hydrocarbon C6-C35	ND	10.0	91							
Surrogate: 1-Chlorooctane	39.5		mg/kg	50.0		79.0	70-130			
Surrogate: 1-Chlorooctadecane	43.0		"	50.0		86.0	70-130			
LCS (EA41601-BS1)				Prepared	& Analyze	ed: 01/16/	04			
Gasoline Range Organics C6-C12	418		mg/kg	500		83.6	75-125			
Diesel Range Organics >C12-C35	425		"	500		85.0	75-125			
Total Hydrocarbon C6-C35	843		"	1000		84.3	75-125			
Surrogate: 1-Chlorooctane	48.9			50.0	·	97.8	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			
LCS (EA41601-BS2)				Prepared:	01/16/04	Analyzed	1: 01/17/04			
Gasoline Range Organics C6-C12	416		mg/kg	500		83.2	75-125			
Diesel Range Organics >C12-C35	378		*1	500		75.6	75-125			
Total Hydrocarbon C6-C35	794		н	1000		79.4	75-125			
Surrogate: 1-Chlorooctane	50.1			50.0		100	70-130			
Surrogate: 1-Chlorooctadecane	49.1		"	50.0		98.2	70-130			
LCS Dup (EA41601-BSD1)				Prepared:	: 01/16/04	Analyzed	1: 01/17/04			
Gasoline Range Organics C6-C12	416		mg/kg	500		83.2	75-125	0.480	20	
Diesel Range Organics >C12-C35	474		11	500		94.8	75-125	10.9	20	
Total Hydrocarbon C6-C35	889		*1	1000		88.9	75-125	5.31	20	
Surrogate: 1-Chlorooctane	50.4		"	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	48.I		"	50.0		96.2	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

and

Raland Tuttle, Laboratory Director

Page 4 of 7

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EA41601 - 1005 TX										
Calibration Check (EA41601-CCV1)				Prepared	& Analyze	ed: 01/16/	04			
Gasoline Range Organics C6-C12	502		mg/kg	500		100	80-120		····	
Diesel Range Organics >C12-C35	454		*	500		90.8	80-120			
Total Hydrocarbon C6-C35	955		11	1000		95.5	80-120			
Surrogate: 1-Chlorooctane	62.9			50.0		126	70-130			
Surrogate: 1-Chlorooctadecane	63.9		"	50.0		128	70-130			

Environmental Lab of Texas

Raland Tuttle, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 5 of 7

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 EA41603 - % Moisture										
Blank (EA41603-BLK1)				Prepared:	01/15/04	Analyzed	: 01/16/04			
% Solids	100		%							
Duplicate (EA41603-DUP1)	Sou	rce: 4A1401	1-01	Prepared:	01/15/04	Analyzed	: 01/16/04			
% Solids	92.0		%		91.0			1.09	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Raland Tuttle, Laboratory Director

Page 6 of 7

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

Environmental Lab of Texas

() 0 Raland Tuttle, Laboratory Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 7 of 7

CLIENT NAME:			SITE MANAGER:	PARAMETERS/ME1	THOD NUMBER	CHAIN-OF-CUSTODY RE
Duneau			Cinto Crain			
PROJECT NO.:			PROJECT NAME:	Ш И		A grson & A32-687-04 Ssociates Inc. Env. 432-687-04
D.DIDI	7-20		5ite #20	IATUC		Environmental Consultants 432-687-05
PAGE / OF	/	LAB.	PO#	A 8 5		507 N. Marienfeld, Ste. 202 • Midland, TX
JUNI	NOS AJLEK	OTHER	SAMPLE IDENTIFICATION	иливек		LAB. I.D. REMARKS NUMBER (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, (LAB USE ONLY) GRAB COMPOSITE)
Indiat 1410	7		55-6	<u> </u>		44 15003-01
	_					
SAMPLED BY: (Sign	ighture)	-	DATE: 114/104 RELINQUISHE	EDBY: (Signature)	DATE:///5/64/ R TIME: 0835	ECEIVED BY: (Signature) DATE:
RELINCTARSHED BY:	(Sighature)		DATE: 1/15/04 RECEIVED BY:	<pre> (: (Signature) </pre>	DATE: S	AMPLE SHIPPED BY: (Circle)
1 wind	Laur		TIME: 0835		TIME:	EDEX BUS AIRBILL #:
COMMENTS:				TURNAROUI	ND TIME NEEDED	TAMODELIVEREU OUPS OTHER: VHITE - RECEIVING LAB
RECEIVING LABOR	ATORY:		~	RECEIVED BY: (Signature)		Tellow - Receiving Lab (to be returned to La After Receipt)
ADDRESS:			CTATC 7(D.			INK – PROJECT MANAGER
CONTACT:			PHONE: 2IP: [DATE: TIME:		SOLD - QA/QC COORDINATOR
SAMPLE CONDITION W	HEN RECEIVED:	±.		LA CONTACT PERSON:	<u>v</u>	AMPLE TYPE: 0.5 °C Soil Hor alas
「中学の」という思いたというないないであるとなっていたのである。	きんちょう ちょうちょう ちょうちょう				二十一 記書書書書 夢と聞きのゆうしています ほかねり	

i

l

Ĭ

P

.

	repor	. – U	imple cog-in	
Client: Larson + Hssociates				
Date/Time: 1115 04 0835				
Drder #: 4A 15003				
nitials: KA				
Sample Receipt	Chack	ict		
Femperature 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		
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?		NO No		
Sample bottles intact?	T Jas	No		
Containers documented on Chain of Custody?	Vor	No		
Sufficient sample amount for indicated test?	Vec	No		
All samples received within sufficient hold time?	Yes	No		
/OC samples have zero headspace?	Yes	No	NotApplicable	
				······
Variance Docur Contact Person: Date/Time: Regarding:	nentatio	n:	Contacted by:	
Corrective Action Taken:				
Corrective Action Taken:			······································	
Corrective Action Taken:			· · · · · · · · · · · · · · · · · · ·	



l

ļ

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4A21011

Report Date: 01/23/04

Larson & Associates, Inc.Project: Dynegy Site #20(432) 687-0456P.O. Box 50685Project Number: 0-0100-20Reported:Larson & Associates, Inc.Project Manager: Cindy Crain01/23/04 14:25

- - - -

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-7	4A21011-01	Soil	01/21/04 12:23	01/21/04 16:40
SS-9	4A21011-02	Soil	01/21/04 12:28	01/21/04 16:40
Spoil-3	4A21011-03	Soil	01/21/04 12:45	01/21/04 16:40

Page 1 of 9

Surrogate: 1-Chlorooctadecane

1

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

		Environn	iental L	ab of T	exas				
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-7 (4A21011-01) Soil Sampled: 01/2	1/04 12:23 R	eceived: 01/2	1/04 16:40					· · · · · · · · · · · · · · · · · · ·	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EA42208	01/22/04	01/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	15.2	10.0			**	17	"	11	
Total Hydrocarbon C6-C35	15.2	10.0	H	11	"	11	H	"	
Surrogate: 1-Chlorooctane		91.2 %	70-1	30		"	"	"	
Surrogate: 1-Chlorooctadecane		106 %	70-1	30	"	"	"	"	
SS-9 (4A21011-02) Soil Sampled: 01/2 Gasoline Range Organics C6-C12	1/04 12:28 R	eceived: 01/2	1/04 16:40	1	EA42208	01/22/04	01/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	349	10.0		11	н	"	н	"	
Total Hydrocarbon C6-C35	504	10.0	"	11	11	11	"	"	
Surrogate: 1-Chlorooctane		103 %	70-1	30	"	"		"	
Surrogate: 1-Chlorooctadecane		129 %	70-1	130	"	"	"	"	
Spoil-3 (4A21011-03) Soil Sampled: 0	1/21/04 12:45	Received: 0	1/21/04 16:	40					
Gasoline Range Organics C6-C12	51.2	10.0	mg/kg dry	1	EA42208	01/22/04	01/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	273	10.0	R		U		19	It	
Total Hydrocarbon C6-C35	324	10.0	**	11	"	"	"	n	
Surrogate: 1-Chlorooctane		918%	70-1	130	"	"	"	<i>H</i>	

70-130

117 %

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

nd

Raland Tuttle, Laboratory Director

Page 2 of 9

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain (432) 687-0456 Reported: 01/23/04 14:25

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-7 (4A21011-01) Soil	Sampled: 01/21/04 12:23	Received: 01/2	1/04 16:40)					
% Solids	90.0)	%	1	EA42215	01/22/04	01/22/04	% calculation	
SS-9 (4A21011-02) Soil	Sampled: 01/21/04 12:28	Received: 01/2	1/04 16:40	0					
% Solids	89.0)	%	1	EA42215	01/22/04	01/22/04	% calculation	
Spoil-3 (4A21011-03) Soi	il Sampled: 01/21/04 12:4	5 Received: 01	/21/04 16	:40					
% Solids	87.0)	%	1	EA42215	01/22/04	01/22/04	% calculation	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

and

Raland Tuttle, Laboratory Director

Page 3 of 9

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Halogenated and Volatile Organics by EPA Method 8021B

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-9 (4A21011-02) Soil	Sampled: 01/21/04 12:28 Re	eceived: 01/2	1/04 16:40						
Benzene	ND	0.0250	mg/kg dry	25	EA42307	01/22/04	01/22/04	EPA 8021B	
Toluene	0.0448	0.0250	n	*1	H		11	"	
Ethylbenzene	0.0561	0.0250	11	11	11	"	"	n	
Xylene (p/m)	0.253	0.0250	н	n	11	11	"	"	
Xylene (0)	0.0691	0.0250		n	н	"	н	"	
Surrogate: a,a,a-Trifluoro	toluene	91.1%	80-1	20	"	"	"		
Surrogate: 4-Bromofluoro	benzene	99.1 %	80-1	120	"	"	"	"	

Spoil-3 (4A21011-03) Soil Sampled: 01/21/04 12:45 Received: 01/21/04 16:40

Benzene	ND	0.0250	mg/kg dry	25	EA42307	01/22/04	01/22/04	EPA 8021B
Toluene	ND	0.0250	**	n	w	w	n	11
Ethylbenzene	ND	0.0250	н	11	"	11		II.
Xylene (p/m)	ND	0.0250	n	H	n	n	n	*
Xylene (o)	ND	0.0250	н	"	W	H.	н	N
Surrogate: a,a,a-Trifluorotoluene		88.1 %	80-120		"	"	"	11
Surrogate: 4-Bromofluorobenzene		107 %	80-120		"	"	"	"

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Raland Tuttle, Laboratory Director

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

Page 4 of 9

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting	Units	Spike Level	Source	%REC	%REC	RPD	RPD Limit	Notes
Batch EA42208 - 1005 TX										
Blank (EA42208-BLK1)				Prenared	& Analyz	ed: 01/22/			·····	
Gasoline Range Organics C6-C12	ND	10.0	mo/ko wet				· · · · · · · · · · · · · · · · · · ·			
Diesel Range Organics >C12-C35		10.0	" " "	L						
Total Hydrocarbon C6-C35	ND	10.0	11							
Surrogate: 1-Chlorooctane	36.4		mg/kg	50.0		72.8	70-130			
Surrogate: 1-Chlorooctadecane	36.0		"	50.0		72.0	70-130			
LCS (EA42208-BS1)				Prepared	& Analyze	ed: 01/22/	04			
Gasoline Range Organics C6-C12	445		mg/kg	500		89.0	75-125			
Diesel Range Organics >C12-C35	433		11	500		86.6	75-125			
Total Hydrocarbon C6-C35	878		U	1000		87.8	75-125			
Surrogate: 1-Chlorooctane	44.2	w	"	50.0		88.4	70-130			
Surrogate: 1-Chlorooctadecane	36.1		"	50.0		72.2	70-130			
Calibration Check (EA42208-CCV1)				Prepared	& Analyz	ed: 01/22/	04			
Gasoline Range Organics C6-C12	513		mg/kg	500		103	80-120		·····	
Diesel Range Organics >C12-C35	510		"	500		102	80-120			
Total Hydrocarbon C6-C35	1020		11	1000		102	80-120			
Surrogate: 1-Chlorooctane	57.4			50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	54.3		"	50.0		109	70-130			
Matrix Spike (EA42208-MS1)	Sa	ource: 4A220	01-02	Prepared & Analyzed: 01/22/04			04			
Gasoline Range Organics C6-C12	701		mg/kg	500	193	102	75-125			
Diesel Range Organics >C12-C35	504		"	500	17.4	97.3	75-125			
Total Hydrocarbon C6-C35	1200		"	1000	211	98.9	75-125			
Surrogate: 1-Chlorooctane	59.5		"	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	54.5		"	50.0		109	70-130			
Matrix Spike Dup (EA42208-MSD1)	So	ource: 4A220	01-02	Prepared	& Analyz	ed: 01/22/	/04			
Gasoline Range Organics C6-C12	706		mg/kg	500	193	103	75-125	0.711	20	
Diesel Range Organics >C12-C35	499		11	500	17.4	96.3	75-125	0.997	20	
Total Hydrocarbon C6-C35	1200		"	1000	211	98.9	75-125	0.00	20	
Surrogate: 1-Chlorooctane	57.9			50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	49.8		"	50.0		99.6	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

landk

Raland Tuttle, Laboratory Director

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

Page 5 of 9

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 EA42215 - % Moisture										
Blank (EA42215-BLK1)	Prepared & Analyzed: 01/22/04									
% Solids	100		%	······································						
Duplicate (EA42215-DUP1)	Source: 4A21011-01			Prepared	& Analyz	ed: 01/22/	04			
% Solids	90.0		%		90.0			0.00	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

N

Raland Tuttle, Laboratory Director

Page 6 of 9

Halogenated and Volatile Organics by EPA Method 8021B - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42307 - EPA 5030C (GC)										
Blank (EA42307-BLK1)				Prepared	& Analyze	ed: 01/22/	04			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	Ħ							
Ethylbenzene	ND	0.0250								
Xylene (p/m)	ND	0.0250	11							
Xylene (o)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	85.8		ug/kg	100		85.8	80-120			
Surrogate: 4-Bromofluorobenzene	95.9		"	100		<i>95.9</i>	80-120			
LCS (EA42307-BS1)				Prepared	& Analyz	ed: 01/22/	04			
Benzene	93.1		ug/kg	100		93.1	80-120			
Toluene	94.1		"	100		94.1	80-120			
Ethylbenzene	95.1		11	100		95.1	80-120			
Xylene (p/m)	193		n	200		96.5	80-120			
Xylene (o)	97.2		n	100		97.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	89.0		"	100		89.0	80-120			
Surrogate: 4-Bromofluorobenzene	102		"	100		102	80-120			
Calibration Check (EA42307-CCV1)				Prepared	& Analyz	ed: 01/22/	04			
Benzene	91.6		ug/kg	100		91.6	80-120			
Toluene	93.3		u	100		93.3	80-120			
Ethylbenzene	91.7			100		91.7	80-120			
Xylene (p/m)	186		н	200		93.0	80-120			
Xylene (o)	93.8		11	100		93.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	90.4		"	100		90.4	80-120			···· - ··· - ···
Surrogate: 4-Bromofluorobenzene	96.9		"	100		96.9	80-120			
Matrix Spike (EA42307-MS1)	Se	ource: 4A21	009-02	Prepared	: 01/22/04	Analyzed	1: 01/23/04	ŧ		
Benzene	92.6		ug/kg	100	ND	92.6	80-120			
Toluene	94.4		**	100	ND	94.4	80-120			
Ethylbenzene	94.0		n	100	ND	94.0	80-120			
Xylene (p/m)	191		"	200	ND	95.5	80-120			
Xylene (0)	93.6		u	100	ND	93.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	94.7		"	100		94.7	80-120			
Surrogate: 4-Bromofluorobenzene	97.5		"	100		97.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

andk

Raland Tuttle, Laboratory Director

Page 7 of 9

Halogenated and Volatile Organics by EPA Method 8021B - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42307 - EPA 5030C (GC)	<u> </u>									
Matrix Spike Dup (EA42307-MSD1)	Sou	rce: 4A2100	9-02	Prepared:	01/22/04	Analyzed	I: 01/23/04			
Benzene	91.7		ug/kg	100	ND	91.7	80-120	0.977	20	
Toluene	92.8		11	100	ND	92.8	80-120	1.71	20	
Ethylbenzene	93.6		и	100	ND	93.6	80-120	0.426	20	
Xylene (p/m)	190		11	200	ND	95.0	80-120	0.525	20	
Xylene (0)	96.0		н	100	ND	96.0	80-120	2.53	20	
Surrogate: a,a,a-Trifluorotoluene	89.9		"	100		89.9	80-120			
Surrogate: 4-Bromofluorobenzene	102		"	100		102	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

land Raland Tuttle, Laboratory Director

Page 8 of 9

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

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

land

Raland Tuttle, Laboratory Director

Page 9 of 9

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

Client: harson+Associates

Date/Time: 01-21-04 @ 1640

Order #: 4 A 210 11

JMM Initials:

R

H

Sample Receipt Checklist

Temperature of container/cooler?	Tes	No	3,O C
Shipping container/cooler in good condition?	Yes	No	NIA
Custody Seals intact on shipping container/cooler?	Yes	No	Not present,
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	tes	No	
Chain of Custody signed when relinquished and received?	Tes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Tes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	res	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Tes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	(Yes)	No	
Sufficient sample amount for indicated test?	res	No	
All samples received within sufficient hold time?	(Yes)	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Regarding:

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

3 1 1 1 1

....

Corrective Action Taken:

,2

CLIENT NAME:	SITE MANAGER:	PARAMETERS/METHOD NUMBER	CHAIN-OF-CUSTODY RECORI
PROJECT NO.: D-0100 - 20	Cindy Crain PROJECT NAME: Sife # 20	ZUZINERS	A arson & Fax: 432-687-0456 Environmental Consultants 432-687-0901
PAGE / OF / LI	LAB. PO #	N 8 801 DE CO	507 N. Marienfeld, Ste. 202 • Midland, TX 79701
20 1105 1105 11111 11111 11111 11111	Sample IDENTIFICATION	KIIS MULL MAREK (LAB. I.D. REMARKS NUMBER I.E., FILTERED, UNFILTERED, REESERVED, UNPRESERVED, (LAB USE ONLY) GRAB COMPOSITE)
12104 1223 V	55.7	<u> </u>	4421011-01 1CE
ite aget and	10528	142 200-	
1 1238 1	55-9	<u>}</u>	-02
A ABEN AND	J. S. K	the cont	
" 245 "	500il. 3	7	+ co- t
			•
SAMPLED BY: (Sigpatrure)	DATE: 1/21/04 RELINQUISHE TIME: 4350	D BY: (Signature) DATE: DATE: TIME:	RECEIVED BY: (Signature) DATE: TIME:
RELINGUISHED & Signature)	DATE: 121/04 RECEIVED BY	(Signature) DATE:	SAMPLE SHIPPED BY: (Circle)
and saw	TIME: <i>16米0</i>	TIME:	FEDEX BUS AIRBILL#
COMMENTS:		TURNAROUND TIME NEEDED	WHITE - RECEIVING LAB WHITE - RECEIVING LAB
RECEIVING LABORATORY: ビンソ ADDRESS: 12 いつつ IV エー	<u>. Lab of TX R</u> 20 E	CEIVED BY: (Signature)	LA AFTER RECEIPT) LA AFTER RECEIPT) PINK – PROJECT MANAGER
CITY: Odessa Contact:		ATE OI-ZI-OY TIME IGYO	GOLD - QA/QC COORDINATOR
SAMPLE CONDITION WHEN RECEIVED:	3,5'c Horglass	LA CONTACT PERSON:	SAMPLE TYPE:
	A set of the		and the state of t

l

l

D

Ð

Ð



į (

H

]]

!

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4A29005

Report Date: 01/30/04

Larson & Associates, Inc.Project: Dynegy Site #20(432) 687-0456P.O. Box 50685Project Number: 0-0100-20Reported:Larson & Associates, Inc.Project Manager: Cindy Crain01/30/04 15:58

ANALYTICAL REPORT FOR SAMPLES

į.

П

H

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Spoil 4	4A29005-01	Soil	01/29/04 09:20	01/29/04 16:00

I

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 4 (4A29005-01) Soil	Sampled: 01/29/04 09:20	Received: 0	1/29/04 16:	00	· · ·			¹²	
Benzene	ND	0.0250	mg/kg dry	25	EA43005	01/29/04	01/29/04	EPA 8021B	
Toluene	ND	0.0250	"	н	11	11	11	и	
Ethylbenzene	ND	0.0250	н	11	IF	11		"	
Xylene (p/m)	ND	0.0250	*	"	11	n	н	H	
Xylene (o)	ND	0.0250	н	и	W	и	**	"	
Surrogate: a,a,a-Trifluorotoli	uene	80.2 %	80-1	20	"		"	"	
Surrogate: 4-Bromofluorober	nzene	84.1 %	80-1	20	"	"	"	"	
Gasoline Range Organics C	6-C12 13.6	10.0	mg/kg dry	1	EA42810	01/29/04	01/30/04	EPA 8015M	
Diesel Range Organics >C12	2-C35 249	10.0	н	"	"	n	11	**	
Total Hydrocarbon C6-C35	263	10.0	ч	n	n	ч	N	u	
Surrogate: 1-Chlorooctane		96.2 %	70-1	30	"	"	н	"	
Surrogate: 1-Chlorooctadeca	ine	122 %	70-1	130	"	"	"	"	

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 2 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain (432) 687-0456 Reported: 01/30/04 15:58

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 4 (4A29005-01) Soil	Sampled: 01/29/04 09:20	Received: 01/	29/04 16	5:00			· · · · · · · · · · · · · · · · · · ·		
% Solids	94.0		%	1	EA43004	01/30/04	01/30/04	% calculation	

E	invir	ōnme	ental	Lab	ot	Texas	

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 3 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC - Quality Control Environmental Lab of Texas Reporting Spike Source %REC Result Limit Units Level Result %REC Limits

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EA42810 - 1005 TX										
Blank (EA42810-BLK1)			Prepared & Analyzed: 01/29/04							
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	35.6	<u> </u>	mg/kg	50.0		71.2	70-130			
Surrogate: 1-Chlorooctadecane	35.9		"	50.0		71.8	70-130			
LCS (EA42810-BS1)	Prepared & Analyzed: 01/29/04									
Gasoline Range Organics C6-C12	395	10.0	mg/kg wet	500		79.0	75-125	·	· <u>····</u> ····	
Diesel Range Organics >C12-C35	427	10.0	**	500		85.4	75-125			
Total Hydrocarbon C6-C35	822	10.0	"	1000		82.2	75-125			
Surrogate: 1-Chlorooctane	36.2		mg/kg	50.0		72.4	70-130			
Surrogate: 1-Chlorooctadecane	37.4		"	50.0		7 4 .8	70-130			
Calibration Check (EA42810-CCV1)		Prepared & Analyzed: 01/29/04								
Gasoline Range Organics C6-C12	509		mg/kg	500		102	80-120			
Diesel Range Organics >C12-C35	509		"	500		102	80-120			
Total Hydrocarbon C6-C35	1010		n	1000		101	80-120			
Surrogate: 1-Chlorooctane	62.1		"	50.0		124	70-130			
Surrogate: 1-Chlorooctadecane	64.4		"	50.0		129	70-130			
Matrix Spike (EA42810-MS1)	Source: 4A28015-01			Prepared & Analyzed: 01/29/04						
Gasoline Range Organics C6-C12	551	10.0	mg/kg dry	526	ND	105	75-125			
Diesel Range Organics >C12-C35	556	10.0	11	526	49.8	96.2	75-125			
Total Hydrocarbon C6-C35	1110	10.0	"	1050	49.8	101	75-125			
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	53.0		"	50.0		106	70-130			
Matrix Spike Dup (EA42810-MSD1)	Source: 4A28015-01			Prepared & Analyzed: 01/29/04						
Gasoline Range Organics C6-C12	567	10.0	mg/kg dry	526	ND	108	75-125	2.86	20	
Diesel Range Organics >C12-C35	546	10.0	11	526	49.8	94.3	75-125	1.81	20	
Total Hydrocarbon C6-C35	1110	10.0	11	1050	49.8	101	75-125	0.00	20	
Surrogate: 1-Chlorooctane	56.5	·····	mg/kg	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	54.1		"	50.0		108	70-130			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Quality Assurance Review

Page 4 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EA43005 - EPA 5030C (GC)										
Blank (EA43005-BLK1)				Prepared	& Analyze	ed: 01/29/	04			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250	и							
Ethylbenzene	ND	0.0250	н							
Xylene (p/m)	ND	0.0250	H							
Xylene (0)	ND	0.0250	"							
Surrogate: a,a,a-Trifluorotoluene	92.0		ug/kg	100		92.0	80-120			
Surrogate: 4-Bromofluorobenzene	87.1		"	100		87.1	80-120			
LCS (EA43005-BS1)				Prepared	& Analyz	ed: 01/29/	04			
Benzene	86.5		ug/kg	100		86.5	80-120			
Toluene	88.9		"	100		88.9	80-120			
Ethylbenzene	89.0		n	100		89.0	80-120			
Xylene (p/m)	181		"	200		90.5	80-120			
Xylene (o)	89.4		"	100		89.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	88.7			100	· · · ·	88.7	80-120			
Surrogate: 4-Bromofluorobenzene	91.1		"	100		91.1	80-120			
Calibration Check (EA43005-CCV1)				Prepared:	01/29/04	Analyzed	1: 01/30/04	ł		
Benzene	80.1		ug/kg	100		80.1	80-120			
Toluene	82.3		"	100		82.3	80-120			
Ethylbenzene	82.0		н	100		82.0	80-120			
Xylene (p/m)	166		*	200		83.0	80-120			
Xylene (o)	83.5			100		83.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	85.2	<u> </u>	"	100		85.2	80-120			
Surrogate: 4-Bromofluorobenzene	<i>88.1</i>		"	100		88. I	80-120			
Matrix Spike (EA43005-MS1)	So	urce: 4A280	03-01	Prepared	01/29/04	Analyzed	1: 01/30/04	ļ		
Benzene	84.3		ug/kg	100	ND	84.3	80-120			
Toluene	87.4		11	100	ND	87.4	80-120			
Ethylbenzene	88.7		11	100	ND	88.7	80-120			
Xylene (p/m)	177		11	200	ND	88.5	80-120			
Xylene (o)	87.3		n	100	ND	87.3	80-120			
Surrogate: a,a,a-Trifluorotoluene	86.0			100		86.0	80-120			
Surrogate: 4-Bromofluorobenzene	89.5		"	100		89.5	80-120			

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 5 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC - Quality Control Environmental Lab of Texas

Analyte	Result	Reporting Limit Units	Spike	Source	%REC	%REC	RPD	RPD Limit	Notes
Batch EA43005 - EPA 5030C (GC)									
Matrix Spike Dup (EA43005-MSD1)	Sou	rce: 4A28003-01	Prepared:	01/29/04	Analyzed	: 01/30/04			
Benzene	80.0	ug/kg	100	ND	80.0	80-120	5.23	20	
Toluene	82.2	11	100	ND	82.2	80-120	6.13	20	
Ethylbenzene	82.6	и	100	ND	82.6	80-120	7.12	20	
Xylene (p/m)	167	n	200	ND	83.5	80-120	5.81	20	
Xylene (0)	83.0	H	100	ND	83.0	80-120	5.05	20	
Surrogate: a,a,a-Trifluorotoluene	82.3	н	100		82.3	80-120			
Surrogate: 4-Bromofluorobenzene	86.0	"	100		86.0	80-120			

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 6 of 8

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 EA43004 - % Moisture										
Blank (EA43004-BLK1)				Prepared	& Analyze	ed: 01/30/	04			
% Solids	100		%							
Duplicate (EA43004-DUP1)	So	urce: 4A280	15-01	Prepared	& Analyze	ed: 01/30/	04			
% Solids	95.0	<u></u>	%		95.0			0.00	20	

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 7 of 8

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

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 8 of 8

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

Client: Larson + Assoc

Date/Time: 01-29-04@1600

Order #: _____ 4A 2900 S

Initials:

1

1

1

JMM

Sample Receipt Checklist

Temperature of container/cooler?	Yes) No	4,0 0
Shipping container/cooler in good condition?	Yes	No	MA
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 No	
Sample Instructions complete on Chain of Custody?	(Yes)	² 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?	(Tes)	No	
Sample bottles intact?	res	No	
Preservations documented on Chain of Custody?	(Yes	> No	
Containers documented on Chain of Custody?	Tes	No	
Sufficient sample amount for indicated test?	Tes	No	
All samples received within sufficient hold time?	Tes	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Variance Documentation:

.....

Contact Person: -____ Date/Time: _____ Contacted by: _____ Regarding: Corrective Action Taken: _____ ÷,

CLIENT NAME:		SITE MANAGER:			PARA	METERS/N	LETHOD 1	JUMBER	CHAI	N0F-	-custody	RECORD
Lunigy	,	Cirty Cir	and -	 S	8							
PROJECT NO.:	00.00	PROJECT NAME:	2	293MIAT	170. W					SON & SOCIOTES, vironmental Const	Inc. Fax: 432-6	87-0456
PAGE / OF	186	LAB. PO #	ف	E COM	28 A TI 10 S				507 N.	Marienfeld,	432-6 Ste. 202 • Midlat	10/01/2011 10/01/2011 10/01
	43			VBEK C	TL) Ho				LAB. I. NUMB	E.	REMARKS (I.E., FILTERED, UNFIL	TERED,
WILL WILL	1105			VNN	9 11				(LAB USE	ONLY	PRESERVED, UNPRE GRAB COMPOS	SERVED, ITE)
119/104 19/20	7	50114			<u>7</u> 7				4A 29 00.	10-5		
					-	-+	_					
				+	-							
					_							
				-+	_							
							-+	-				
					+							
							+-					
					-							
					-							
SAMPLED'BY: (Sign	flyre)	DATE: 1/29/1/24 TIME: 1/6.20	RELINQUISHED	BY: (Si	gnature)		DATE		RECEIVED BY:	(Signature)		DATE: TIME:
RELINQUISFIED BY: 1	Signature	DATE: 129/117	RECEIVED BY: (Signatu	ire)		DATE		SAMPLE SHIF	PED BY: (Circl	(6	
1 will 1	1 CHER-	TIME 1600					TIME		FEDEX	- ſ.	3US AIRBILL #:	
COMMENTS/						TURNARC	JUND TIME	NEEDED	EAND DELIVI	ERED	JPS OTHER	
\$			د						VHITE - R	ECEIVING LAB	(TO BE RETURNED 1	.0
RECEIVING LABORA	TORY: ENI	11 voumented La	o DTA REC	CEIVED	BY: (Signc	ature)				A AFTER RECEI		
CITY:		STATE ZIP	<u>3-1600 DA</u>		<u>1661</u>	24 TIME:	1600			A/QC COORE	INATOR	
SAMPLE CONDITION WHI	IN RECEIVED:			ACON	ITACT PER	SON:			SAMPLE TYPE			
H SC						nain				21		
人口が良か いたいな 能に上げい ちゃき 正式なすい	Section Section in the Section	「「「」」「「「「」」」」「「」」」」「「」」」」」」」」」」」」」」」」」	a strategy radiate and the second readers of	14. atten 15. Landa	the first of the second second	ちゃう うちまち あいろう ちょうちま たんまんない	and the later of second of a	was in the states -	the state of the second strength	and the party "States & and the second	「日本の「日」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」」	いない かちゃくはない ないやい ちちのたい ゆうせき ちょうしいろう いまち マ

1 1

. 11

|

The state

F

l

111



ý men

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: Eunice, NM

Lab Order Number: 4B04012

Report Date: 02/05/04

Larson & Associates, Inc.	Project: Dynegy Site #20	(432) 687-0456
P.O. Box 50685	Project Number: 0-0100-20	Reported:
Larson & Associates, Inc.	Project Manager: Cindy Crain	02/05/04 10:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Spoil 5	4B04012-01	Soil	02/04/04 09:10	02/04/04 14:10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 5 (4B04012-01) Soil Sampled: (2/04/04 09:10	Received: 02	/04/04 14:	10				<u> </u>	
Gasoline Range Organics C6-C12	12.9	10.0	mg/kg dry	1	EB40405	02/04/04	02/04/04	EPA 8015M	
Diesel Range Organics >C12-C35	118	10.0	н	11	H	н	11	n	
Total Hydrocarbon C6-C35	131	10.0	n	**	n	"	n	n	
Surrogate: 1-Chlorooctane		93.4 %	70-1	30	"	"		"	
Surrogate: 1-Chlorooctadecane		118 %	70-1	30	"	"	"	"	

8	Environmental Lab of Texas	The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
8	Celen D. Keine	

Quality Assurance Review

Page 2 of 6

Larson & Associates, Inc. P.O. Box 50685 Larson & Associates, Inc. Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain (432) 687-0456 Reported: 02/05/04 10:59

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 5 (4B04012-01) Soil	Sampled: 02/04/04 09:10	Received: 02/	04/04 14	:10					
% Solids	95.0		%	1	EB40415	02/04/04	02/04/04	% calculation	

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 3 of 6

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

U

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EB40405 - 1005 TX										
Blank (EB40405-BLK1)				Prepared	& Analyze	ed: 02/04/	04	" <u></u>		
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	35.0		mg/kg	50.0		70.0	70-130			
Surrogate: 1-Chlorooctadecane	35.5		"	50.0		71.0	70-130			
LCS (EB40405-BS1)				Prepared	& Analyza	ed: 02/04/	04			
Gasoline Range Organics C6-C12	436	10.0	mg/kg wet	500		87.2	75-125			
Diesel Range Organics >C12-C35	462	10.0	н	500		92.4	75-125			
Total Hydrocarbon C6-C35	898	10.0	n	1000		89.8	75-125			
Surrogate: 1-Chlorooctane	44.8		mg/kg	50.0		89.6	70-130			
Surrogate: 1-Chlorooctadecane	39.1		"	50.0		78.2	70-130			
Calibration Check (EB40405-CCV1)				Prepared	& Analyze	ed: 02/04/	04			
Gasoline Range Organics C6-C12	520		mg/kg	500		104	80-120			······
Diesel Range Organics >C12-C35	509		"	500		102	80-120			
Total Hydrocarbon C6-C35	1030		11	1000		103	80-120			
Surrogate: 1-Chlorooctane	57.8		"	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	53.3		"	50.0		107	70-130			
Matrix Spike (EB40405-MS1)	So	urce: 4B040	03-01	Prepared	& Analyz	ed: 02/04/	'04			
Gasoline Range Organics C6-C12	579	10.0	mg/kg dry	568	ND	102	75-125			
Diesel Range Organics >C12-C35	539	10.0	11	568	ND	94.9	75-125			
Total Hydrocarbon C6-C35	1120	10.0	11	1140	ND	98.2	75-125			
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	70-130			
Surrogate: 1-Chlorooctadecane	49.0		"	50.0		98.0	70-130			
Matrix Spike Dup (EB40405-MSD1)	So	ource: 4B040)03-01	Prepared	& Analyz	ed: 02/04/	'04			
Gasoline Range Organics C6-C12	590	10.0	mg/kg dry	568	ND	104	75-125	1.88	20	
Diesel Range Organics >C12-C35	571	10.0	u	568	ND	101	75-125	5.77	20	
Total Hydrocarbon C6-C35	1160	10.0		1140	ND	102	75-125	3.51	20	
Surrogate: 1-Chlorooctane	58.0		mg/kg	50.0		116	70-130			
Surrogate: 1-Chlorooctadecane	55.0		"	50.0		110	70-130			

Environmental Lab of Texas

j

Quality Assurance/Beview

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 4 of 6

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 EB40415 - % Moisture										
Blank (EB40415-BLK1)				Prepared	& Analyze	ed: 02/04/	04			
% Solids	100		%				· · · · · · · · · · · · · · · · ·			
Duplicate (EB40415-DUP1)	Sou	irce: 4B0400)3-01	Prepared	& Analyz	ed: 02/04/	04			
% Solids	87.0		%		88.0			1.14	20	

Environmental Lab of Texas

Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 5 of 6

Larson & Associates, Inc. P.O. Box 50685 Larson & Associates, Inc.

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

Environmental Lab of Texas

un Quality Assurance Review

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Page 6 of 6

Environmental Lab of Texas 12600 West 1-20 East Phone: 432-563-1800		ľ						СН	AIN C	iF CUS	arop'	r REC	- ORD	AND	ANA	TASI	s RE	ave	st n		0
Ducessa, lexas /9/b5 rax: 432-303-1113 Proiect Manager:								1	<u>n</u>	roject	Name		A	neu	2	\mathcal{N}	A.	#X	2		
Company Name Larson & Associate	50							I		Prc	oject #		0	10	101		21	0			ļ
Company Address: 507 N. Marienfel	d Ste.	202						1		Proje	ct Loc		E.	1010	2	N.	V				Í
City/State/Zip: Mid/End TX 79	101							L			PO#										
Telephone No: (432) (\$87-090)		Fax No:_	1	33	68	22-6	145	3													
Sampler Signature:								1		L				Merry	na En					Г	
												TCLP:	$\left \right $								
			L	ľ			ł					DIAL:	+	+							
				ď	eserval	ive		Σ	Iti	900			əS		09					ə	
zlahoah	bəlqma2 ətaD	bəlqms2 əmiT	No. of Containers 4, 0 C	HCI HNO ³		əuon *OS ^z H	Other (Specify)	əɓpnis	lioS	(PH: 418.) 8015M 1002 10	Cations (Ca, Mg, Va, K)	SAR / ESP / CEC	Vetals: As Ag Ba Cd Cr Pb Hg	semisiov Semivolatiles	28 X378 or 815030 or 87EX 82	30 B W				InbertoScheduld	Standard TAT
	2/4/01	0410	1-						2				$\left - \right $								
			 														-				
												_	-+								
					<u> </u>			_			+			-					_		
						-		_			-+	\square	+								
					_																
					_				+		+										
-					-														$\left - \right $		
												_						\square			
Special Instructions:				-							<u>ت ۲</u> ۵	ample emper iborat	Conta ature tory C	ainer: Upor Comn	s Intac I Rece nents:	st? eipt: :		≻	z		
Relinquished by: Date Time	Received by:							Date		Time		`									
(which will altilot 1410												1	Ő	ر							
Relinquished M: Date Time	Received by ELOT							Date		Ime											
	Perre	men	14 M				22	0-70	4	1410	~										
				þ																	

Ð

į

ł

i

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

Client: Larson & Associates

Date/Time: 02-04-04 @ 1430

Order #: 4804012

Initials: _____JMM

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	4,0	С
Shipping container/cooler in good condition?	Yes	No	NIA	
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?	(es)	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Tes	No		
Chain of custody agrees with sample label(s)	Yes	No	NO LABEL	
Container labels legible and intact?	Yes	No	NO LABEL	
Sample Matrix and properties same as on chain of custody?	Yes	No		
Samples in proper container/bottle?	Tes	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?	Tres	No		
All samples received within sufficient hold time?	Yes	No		
VOC samples have zero headspace?	(Yes)	No	Not Applicabl	e

Other observations:

111

ł

Varian	ce Documentation	•
Date/Tir	ne [.]	

....

Contact Person: Regarding:	Date/Time:	Contacted by:	
Corrective Action Taken:			
			·····
,			



1

.

i

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: Eunice, NM

Lab Order Number: 4B18001

Report Date: 02/20/04

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-8	4B18001-01	Soil	02/17/04 09:30	02/17/04 16:30
SS-10	4B18001-02	Soil	02/17/04 09:32	02/17/04 16:30
SS-11	4B18001-03	Soil	02/17/04 09:36	02/17/04 16:30
SS-12	4B18001-04	Soil	02/17/04 09:38	02/17/04 16:30
SS-13	4B18001-05	Soil	02/17/04 09:42	02/17/04 16:30
Spoil 6	4B18001-06	Soil	02/17/04 09:45	02/17/04 16:30

Page 1 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-8 (4B18001-01)	······		·		······································	-]
Benzene	ND	0.0250	mg/kg dry	25	EB41909	02/19/04	02/19/04	EPA 8021B	
Toluene	ND	0.0250	"	11	**	н	"	11	
Ethylbenzene	ND	0.0250	н	**	Ħ	14	11	*	
Xylene (p/m)	ND	0.0250	n	"	"	11	н	11	
Xylene (o)	ND	0.0250	"	14	"	"	*1	"	
Surrogate: a,a,a-Trifluorotoluene		88.2 %	80-1	20	"	"	"	11	
Surrogate: 4-Bromofluorobenzene		103 %	80-1	20	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	J [7.87]	10.0	"	и	11	et	"	"	J
Total Hydrocarbon C6-C35	ND	10.0	"	11	11	и	n	IT	
Surrogate: 1-Chlorooctane		84.0 %	70-1	130	·//	"	"	"	
Surrogate: 1-Chlorooctadecane		75.6 %	70-1	130	"	"	"	"	
SS-10 (4B18001-02)									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	52.6	10.0	n	н	н	11	17	11	
Total Hydrocarbon C6-C35	52.6	10.0	"	*1	"	**	n	н	
Surrogate: 1-Chlorooctane		88.4 %	70-1	130		"	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"	
Surrogate: 1-Chlorooctadecane		75.2 %	70-1	130	"	"	"	"	
SS-11 (4B18001-03)									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"		11		U	
Total Hydrocarbon C6-C35	ND	10.0	"	u	H	**	"	H	
Surrogate: 1-Chlorooctane		84.6 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		74.6 %	70-1	130	"	"	"	"	
SS-12 (4B18001-04)									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	·······
Diesel Range Organics >C12-C35	10.4	10.0	11	N		n	*	*	
Total Hydrocarbon C6-C35	ND	10.0	II	"	H	"	*	n	
Surrogate: 1-Chlorooctane		89.8 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		70.2 %	70	130	"	"	"	17	

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

Page 2 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Fax: (432) 687-0456 **Reported:** 02/20/04 15:50

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-13 (4B18001-05)		····							
Benzene	ND	0.0250	mg/kg dry	25	EB41909	02/19/04	02/19/04	EPA 8021B	
Toluene	0.0279	0.0250		"	11	*	n	н	
Ethylbenzene	0.0742	0.0250	U	"		"	н	"	
Xylene (p/m)	0.464	0.0250	17	"	11	"	11	"	
Xylene (0)	0.192	0.0250	н	"	11	18	и	"	
Surrogate: a,a,a-Trifluorotoluene	·····	88.4 %	80-1	20			"	"	
Surrogate: 4-Bromofluorobenzene		108 %	80-1	20	"	"	n	"	
Gasoline Range Organics C6-C12	630	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	1470	10.0		11	11	*1	۳	n	
Total Hydrocarbon C6-C35	2100	10.0	n	"	H	11	"	11	
Surrogate: 1-Chlorooctane	·	97.8 %	70-1	30			"	"	
Surrogate: 1-Chlorooctadecane		89.2 %	70-1	130	"	"	"	"	
Spoil 6 (4B18001-06)									
Gasoline Range Organics C6-C12	11.5	10.0	mg/kg dry	1	EB41802	02/18/04	02/19/04	EPA 8015M	
Diesel Range Organics >C12-C35	249	10.0	"	11	11	11	11	n	
Total Hydrocarbon C6-C35	260	10.0	"	"	"	н	"	n	
Surrogate: 1-Chlorooctane		90.0 %	70-1	30	"	······	"		
Surrogate: 1-Chlorooctadecane		72.8 %	70-1	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

Page 3 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-8 (4B18001-01)		· · · ·							
% Solids	87.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	
SS-10 (4B18001-02)									
% Solids	90.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	
SS-11 (4B18001-03)									
% Solids	73.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	
SS-12 (4B18001-04)									
% Solids	89.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	
SS-13 (4B18001-05)									
% Solids	92.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	<u> </u>
Spoil 6 (4B18001-06)									
% Solids	92.0	1.0	%	1	EB41901	02/19/04	02/19/04	% calculation	

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.

Page 4 of 10

d an

Quality Assurance Review

H

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EB41802 - 8015M										
Blank (EB41802-BLK1)				Prepared:	02/18/04	Analyzed	1: 02/19/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	н							
Total Hydrocarbon C6-C35	ND	10.0	11							
Surrogate: 1-Chlorooctane	35.9	······	mg/kg	50.0		71.8	70-130			
Surrogate: 1-Chlorooctadecane	35.6		"	50.0		71.2	70-130			
Blank (EB41802-BLK2)				Prepared:	02/18/04	Analyzed	l: 02/19/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	n							
Total Hydrocarbon C6-C35	ND	10.0	n							
Surrogate: 1-Chlorooctane	38.4		mg/kg	50.0		76.8	70-130			
Surrogate: 1-Chlorooctadecane	36.4		"	50.0		72.8	70-130			
LCS (EB41802-BS1)				Prepared	& Analyz	ed: 02/18/	04			
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125	·····		
Diesel Range Organics >C12-C35	415	10.0	"	500		83.0	75-125			
Total Hydrocarbon C6-C35	826	10.0	11	1000		82.6	75-125			
Surrogate: 1-Chlorooctane	39.4		mg/kg	50.0		78.8	70-130			
Surrogate: 1-Chlorooctadecane	35.1		"	50.0		70.2	70-130			
LCS (EB41802-BS2)				Prepared:	: 02/18/04	Analyzed	1: 02/19/04			
Gasoline Range Organics C6-C12	414	10.0	mg/kg wet	500		82.8	75-125			
Diesel Range Organics >C12-C35	419	10.0	"	500		83.8	75-125			
Total Hydrocarbon C6-C35	833	10.0	н	1000		83.3	75-125			
Surrogate: 1-Chlorooctane	43.3		mg/kg	50.0		86.6	70-130			
Surrogate: 1-Chlorooctadecane	35.7		"	50.0		71.4	70-130			
Calibration Check (EB41802-CCV1)				Prepared	& Analyz	ed: 02/18/	04			
Gasoline Range Organics C6-C12	495		mg/kg	500	******	99.0	80-120			
Diesel Range Organics >C12-C35	459			500		91.8	80-120			
Total Hydrocarbon C6-C35	954		11	1000		95.4	80-120			
Surrogate: 1-Chlorooctane	53.9		<i>"</i>	50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	36.0		"	50.0		72.0	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

Page 5 of 10

ľ

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EB41802 - 8015M										
Calibration Check (EB41802-CCV2)				Prepared:	02/18/04	Analyzed	: 02/19/04			
Gasoline Range Organics C6-C12	504		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	537		11	500		107	80-120			
Total Hydrocarbon C6-C35	1040		H	1000		104	80-120			
Surrogate: 1-Chlorooctane	57.6			50.0		115	70-130			· · · · · · · · · · · · · · · · · · ·
Surrogate: I-Chlorooctadecane	49.0		"	50.0		98.0	70-130			
Matrix Spike (EB41802-MS1)	So	urce: 4B180	01-02	Prepared	02/18/04	Analyzed	1: 02/19/04			
Gasoline Range Organics C6-C12	567	10.0	mg/kg dry	556	ND	102	75-125			
Diesel Range Organics >C12-C35	601	10.0	"	556	52.6	98.6	75-125			
Total Hydrocarbon C6-C35	1170	10.0	"	1110	52.6	101	75-125			
Surrogate: 1-Chlorooctane	54.2		mg/kg	50.0		108	70-130	· · · · · · · · · · · · · · · · · · ·		
Surrogate: 1-Chlorooctadecane	40.3		"	50.0		80.6	70-130			
Matrix Spike (EB41802-MS2)	So	urce: 4B180	07-01	Prepared	: 02/18/04	Analyzed	l: 02/19/04			
Gasoline Range Organics C6-C12	556	10.0	mg/kg dry	510	ND	109	75-125			
Diesel Range Organics >C12-C35	824	10.0	u	510	273	108	75-125			
Total Hydrocarbon C6-C35	1380	10.0	"	1020	273	109	75-125			
Surrogate: 1-Chlorooctane	57.1		mg/kg	50.0		714	70-130			
Surrogate: 1-Chlorooctadecane	51.4		"	50.0		103	70-130			
Matrix Spike Dup (EB41802-MSD1)	So	ource: 4B180	01-02	Prepared	02/18/04	Analyzed	I: 02/19/04			
Gasoline Range Organics C6-C12	553	10.0	mg/kg dry	556	ND	99.5	75-125	2.50	20	
Diesel Range Organics >C12-C35	620	10.0	n	556	52.6	102	75-125	3.11	20	
Total Hydrocarbon C6-C35	1170	10.0	н	1110	52.6	101	75-125	0.00	20	
Surrogate: 1-Chlorooctane	53.3		mg/kg	50.0		107	70-130			
Surrogate: 1-Chlorooctadecane	40.2		"	50.0		80.4	70-130			
Matrix Spike Dup (EB41802-MSD2)	So	ource: 4 B 180	07-01	Prepared	: 02/18/04	Analyzed	i: 02/19/04			
Gasoline Range Organics C6-C12	553	10.0	mg/kg dry	510	ND	108	75-125	0.541	20	
Diesel Range Organics >C12-C35	825	10.0	11	510	273	108	75-125	0.121	20	
Total Hydrocarbon C6-C35	1380	10.0	н	1020	273	109	75-125	0.00	20	
Surrogate: 1-Chlorooctane	56.3		mg/kg	50.0		113	70-130			
Surrogate: 1-Chlorooctadecane	49.8		"	50.0		99.6	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

Page 6 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EB41909 - EPA 5030C (GC)										<u></u>
Blank (EB41909-BLK1)				Prepared	& Analyze	ed: 02/19/0	04			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250	n							
Xylene (p/m)	ND	0.0250								
Xylene (o)	ND	0.0250	u							
Surrogate: a,a,a-Trifluorotoluene	85.9		ug/kg	100		85.9	80-120			
Surrogate: 4-Bromofluorobenzene	98.9		"	100		98.9	80-120			
LCS (EB41909-BS1)				Prepared	& Analyze	ed: 02/19/0	04			
Benzene	104		ug/kg	100		104	80-120			
Toluene	97.2		"	100		97.2	80-120			
Ethylbenzene	96.0		14	100		96.0	80-120			
Xylene (p/m)	189		"	200		94.5	80-120			
Xylene (0)	96.8		n	100		96.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	95.3		"	100		95.3	80-120			
Surrogate: 4-Bromofluorobenzene	110		"	100		110	80-120			
Calibration Check (EB41909-CCV1)				Prepared	& Analyze	ed: 02/19/	04			
Benzene	95.3		ug/kg	100		95.3	80-120			
Toluene	88.8		"	100		88.8	80-120			
Ethylbenzene	87.5		0	100		87.5	80-120			
Xylene (p/m)	171		11	200		85.5	80-120			
Xylene (o)	89.4		11	100		89.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	93.0		"	100		93.0	80-120			
Surrogate: 4-Bromofluorobenzene	101		"	100		101	80-120			
Matrix Spike (EB41909-MS1)	So	ource: 4B180)13-01	Prepared	& Analyz	ed: 02/19/	04			
Benzene	2380		ug/kg	2500	33.2	93.9	80-120			
Toluene	2310		R	2500	100	88.4	80-120			
Ethylbenzene	2290		11	2500	96.6	87.7	80-120			
Xylene (p/m)	4360		n	5000	207	83.1	80-120			
Xylene (0)	2490		**	2500	239	90.0	80-120			
Surrogate: a,a,a-Trifluorotoluene	96.1		"	100		96.1	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

Environmental Lab of Texas

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

Q \cap n Quality Assurance Review

Page 7 of 10

İ

Į

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EB41909 - EPA 5030C (GC)						· · · · · · · · · · · · · · · · · · ·			
Matrix Spike Dup (EB41909-MSD1)	Sou	arce: 4B18013-01	Prepared	& Analyz	ed: 02/19/	'04			
Benzene	2450	ug/kg	2500	33.2	96.7	80-120	2.94	20	¢
Toluene	2430	*1	2500	100	93.2	80-120	5.29	20	
Ethylbenzene	2440		2500	96.6	93.7	80-120	6.62	20	
Xylene (p/m)	4620	*1	5000	207	88.3	80-120	6.07	20	
Xylene (o)	2620	н	2500	239	95.2	80-120	5.62	20	
Surrogate: a,a,a-Trifluorotoluene	101		100			80-120			
Surrogate: 4-Bromofluorobenzene	107	"	100		107	80-120			

Environmental Lab of Texas

mdk 1 mi **Quality Assurance Review**

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

Page 8 of 10

H

B

02/20/04 15:50

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 EB41901 - % Solids										
Blank (EB41901-BLK1)				Prepared	& Analyz	ed: 02/19/	04			
% Solids	100		%							
Duplicate (EB41901-DUP1)	Sou	irce: 4B1800)1-01	Prepared	& Analyz	ed: 02/19/	04			
% Solids	88.0		%	·····	87.0			1.14	20	

Environmental Lab of Texas

d Quality Assurance Review

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

Page 9 of 10

Larson & P.O. Box Midland	c Associates, Inc. c 50685 TX, 79710	Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain	Fax: (432) 687-0456 Reported: 02/20/04 15:50
		Notes and Definitions	
J	Detected but below the Reporting	ng Limit; therefore, result is an estimated concentration (CLP J-Flag	g).
DET	Analyte DETECTED		

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported

- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

Quality Assurance Review

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

Page 10 of 10

JEST	15 11 21	6	M					ə	Ubedo2-919) TAT H	SUA SUA												
s requ	$\langle \gamma \rangle$	Ň	N																			
'YSI	1	0	1	.			<u> </u>		.W.	N.O.R	-			-+-			+-					
INAL	2) Ö	2	{		For		09	80218/5030-6r 8TEX 82	XEXEN		+	+	- `	\downarrow				ntact	ints:	\mathcal{O}	
	Er.	0	24			alvz(†	səlitelo	vime2	-	-†-	\dashv	-†			+		ers	ume	M	
D AI	\sim	,	23	}		An			58	liteloV									Itain	So o	V	
COR	ļ	D		1				θS	s: As Ag Ba Cd Cr Pb Hg	Metal									Ğ	tory	Le V	
RE		ļ	ĺ				CLP		ESP / CEC	1 AA2									mple	bora		
λα	me:	ct #:	:00-	# 0			F		s (Cl, SO4, CO3, HCO3)	noinA									Sai			
ISTO	it Na	roje	ect	۵.					is (Ca, Mg, Va, K)	Cation		\downarrow	\downarrow	++	\downarrow				_		e	e
r cl	ojec	ď.	Proj			L		900	1 5001 WELOW 1.814	, HAT	7	4			<u> </u>	7	<u> </u>		_	Í	Tin Tin	1 ¹
ю х	5				10				(sbécity):	Ofpen	$\overline{+}$	\leftarrow		$\overline{+}$	+	\leftarrow		┝╼╌┼╸			+	╇
HAL					N.			Aatri		lioS	<u>-</u>	2	<u>د</u> .	7	4						-	
S		1	1	1	2	1				BIRAA	-+	-+-	-	-+	+						Date	Date
	l			1				H	(Specify)	Janu	-+	-+-	-+	-+	+	-+-	+					
										anoN	-†	-+	-+		-+	-+-	+	┟╼╼┼╸	-1			+
					10			tive	¢	OS ^Z H	+	-+		+	-+		+	$\left - \right $				
								erva		HOEN	-†	-		-	\neg		1-		-1			{
•				Í	2	1		res		ICH												
					22					ONH												
					N			Ц		lce	2	7	7	2	7	7						1
					Ч				erainers to	No. 0	\neg	-1	-	-	-	-						
		Typ.	120%	22	Fax No:				b9iqms2 s	этіТ	030	0932	0936	0938	2490	0945						DT:
		ietes	211 A	11.61.					bəlqme2	Date	2/17/104	1	~	4	4	1					Received by:	Received by ELO
KaS	1713	5500	1. ieit	X	101.																Time 16.20	Lime
្ត្រី 👸	Se3-		N N	r <		Ň					[[Į							<u> </u>	<u>`</u> -
132-1	- 132	\downarrow				\mathbb{J}																
J O	. (X	2	1.	. t	•			ğ					- {	}			1		Dat	
^p e D	Fa	\downarrow				N.	2			-											8'	1
้ิต			i o	0	N	· 4				FIEL					l	0		$\left\{ \right\}$	}		}	
	and the second second	1	1 17	X	2	\lor						6		5	m	V						
a					$ \mathcal{V} $						ŝ	12	-		1	2						
nt	i.	ļ	۱ ښ	۱ ظ	1 	;; ;;					in	$\langle \mathbf{A} \rangle$	۱۵	M	Ŵ	02	}				h	3
Je	5 nade	NaN	dres	te/Zi	ле N	latur					N,	Ň	Ŵ		\mathbb{N}	V\$	ļ				N	7
IN Tast	9765 1 Mai	VUE	Ad Ad	/Stai	phoi	Sign				<u>ج</u>		2		-		اد		++	;s			Ľ
OL 201	as 7 Dieci		uan.	City	Tele	pler			1	(luo ;	0	ò	ļ Ģ	9	0	9			ctio			L.
ir i	Texi		, moc		-	Sam) use	•		ł		-				stru		APR.	212
> 3	ssa,								01	‡ (lat									alln		Hish	Ň
	ő									~			I I	ł							Ιĕ Ν	ς ().

l

ß

ß

h

han

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

Client: Larson + Associates

Date/Time: 02-18-04@0800

Order #: _______

Initials: Jmm

8

1

11

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3 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?	Tes	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?	Ves	No	
Sample bottles intact?	(res)	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Xes,	No	
Sufficient sample amount for indicated test?	(es)	No	
All samples received within sufficient hold time?	(es)	No	
VOC samples have zero headspace?	(Yes)	No	Not Applicable

Other observations:

Contact Person: Regarding:	Variance Documentation: Date/Time:	_ Contacted by:
Corrective Action Taken:		



H

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4B23005

Report Date: 02/25/04

1

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Spoil 7	4B23005-01	Soil	02/23/04 12:56	02/23/04 16:15

I

1

i

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 7 (4B23005-01)							·		
Gasoline Range Organics C6-C12	J [5.83]	10.0	mg/kg dry	1	EB42406	02/24/04	02/24/04	EPA 8015M	J
Diesel Range Organics >C12-C35	177	10.0		н	н	11	"	и	
Total Hydrocarbon C6-C35	177	10.0	11	Ħ	н	11	n	u	
Surrogate: 1-Chlorooctane		90.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		89.0 %	70-1	30	н	"	"	"	

Environmental Lab of Texas

mCK

Quality Assurance Review

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

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

Page 2 of 6

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 7 (4B23005-01)		······································						· · · · · · · · · · · · · · · · · · ·	
% Solids	93.0	1.0	%	1	EB42504	02/25/04	02/25/04	% calculation	

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

H

I

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 EB42406 - Solvent Extraction	(GC)									
Blank (EB42406-BLK1)				Prepared	& Analyze	ed: 02/24/	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	н							
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0		76.4	70-130			
Surrogate: 1-Chlorooctadecane	37.3		"	50.0		7 4.6	70-130			
LCS (EB42406-BS1)				Prepared	& Analyze	ed: 02/24/	04			
Gasoline Range Organics C6-C12	411	10.0	mg/kg wet	500		82.2	75-125			
Diesel Range Organics >C12-C35	438	10.0	11	500		87.6	75-125			
Total Hydrocarbon C6-C35	849	10.0	n	1000		84.9	75-125			
Surrogate: 1-Chlorooctane	42.5		mg/kg	50.0		85.0	70-130			
Surrogate: 1-Chlorooctadecane	35.9		"	50.0		71.8	70-130			
LCS Dup (EB42406-BSD1)				Prepared	& Analyz	ed: 02/24/	04			
Gasoline Range Organics C6-C12	424	10.0	mg/kg wet	500		84.8	75-125	3.11	20	
Diesel Range Organics >C12-C35	411	10.0	W	500		82.2	75-125	6.36	20	
Total Hydrocarbon C6-C35	835	10.0	n	1000		83.5	75-125	1.66	20	
Surrogate: 1-Chlorooctane	43.2		mg/kg	50.0		86.4	70-130			
Surrogate: 1-Chlorooctadecane	36.2		"	50.0		72.4	70-130			
Calibration Check (EB42406-CCV1)				Prepared	& Analyz	ed: 02/24/	04			
Gasoline Range Organics C6-C12	504		mg/kg	500		101	80-120			
Diesel Range Organics >C12-C35	498		н	500		99.6	80-120			
Total Hydrocarbon C6-C35	1000		"	1000		100	80-120			
Surrogate: 1-Chlorooctane	58.8			50.0		118	70-130			
Surrogate: 1-Chlorooctadecane	50.2		"	50.0		100	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

Page 4 of 6

I

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 EB42504 - % Solids										
Blank (EB42504-BLK1)	Prepared & Analyzed: 02/25/04									
% Solids	100	1.0	%							
Duplicate (EB42504-DUP1)	So	urce: 4B240()3-06	Prepared	& Analyz	ed: 02/25/	04			
% Solids	97.0	1.0	%		97.0			0.00	20	·····

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.

Sal Quality Assurance Review

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

Page 5 of 6

Larson P.O. Bo Midland	& Associates, Inc. 0x 50685 d TX, 79710	Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain	Fax: (432) 687-0456 Reported: 02/25/04 10:28
		Notes and Definitions	
J	Detected but below the Report	ing Limit; therefore, result is an estimated concentration (CLP J-Fla	g).
DET	Analyte DETECTED		

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Environmental Lab of Texas

.

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

Quality Assurance Review

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

Page 6 of 6

CLIENT NAME:		PARAN	AETERS/METHOD NUMBER	CHAIN-OF-CUSTODY	' RECORD
Dynegy Chi	dy Crain	S			
PROJECT NO.: PROJECT	NAME:	M S		A arson & Ssociates, Inc. Fax: 432-68 Environmental Consultants	87-0456
V-U/00-00 01	te rau	SY 02 1NOD		507 N. Marienfeld. Ste. 202 • Midlan	87-0901 nd, TX 79701
		8 / ±0 2			
OR TE SAMPLE	IDENTIFICATION	ИЛТ		LAB. I.D. NUMBER I.E. FILTREED, UNFILT NUMBER I.E. FILTREED, UNNERS PRESERVED, UNPRES	LTERED, SERVED, STEI
21344 1256 V Sen	17	<u>\</u> -		402300501	
SAMPLER RY: (Signature)	date: 4/23/04 relinquishe Time: /200	D BY: (Signature)	DATE:	RECEIVED BY: (Signature)	DATE:
RELINOUS/RED BY: (Signature)	DATE: 2/23/04 RECEIVED BY:	(Signature)	DATE:	SAMPLE SHIPPED BY: (Circle)	
Listic Anar	TIME: 16015		TIME:	FEDEX BUS AIRBILL #:	
COMMENTS:			TURNAROUND TIME NEEDED	Hand Delivered UPS Other: White - Receiving Lab	
				Yellow - Receiving Lab (to be returned to	0
RECEIVING LABORATORY: エハッ・レビョット・/ ADDRESS: / こしつつ いエーこいど	× ·	ECEIVED BY: (Signat	ure) meeury	la after receipt) Pink – project manager	
CITY: CZdesse STATE: 2 CONTACT: PHONE:	7× ZIP: 79.765	MTE: 02-23-04	TIME: 16.15	GOLD - QA/QC COORDINATOR	
SAMPLE CONDITION WHEN RECEIVED:	3,5°C therefores	LA CONTACT PERS	NO	SAMPLE TYPE:	
and the second second second second second second second second second second second second second second second		the states and the mail of the share states as the set	「「「「「」」」、「「」」、「」」、「」」、「」」、「」」、「」」、「」、「」、	なかかった きまやったいち やち ちょう ちょう とうかい ときやなるち ひろうなか やうし ひまちちちちゃい あいちょうかい しゅう	「「「「「「「」」」」、「「」」、「「」」、「」」、「」」、「」」、「」」、「

R

Ø


Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4C18001

Report Date: 03/23/04

H

H

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Ì

ANALYTICAL REPORT FOR SAMPLES

Sample 1D	Laboratory ID	Matrix	Date Sampled	Date Received
Spoil 8	4C18001-01	Soil	03/17/04 15:30	03/18/04 09:10

Page 1 of 6

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 8 (4C18001-01)									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EC41826	03/18/04	03/20/04	EPA 8015M	
Diesel Range Organics >C12-C35	17.7	10.0		· •	11	11	11	n	
Total Hydrocarbon C6-C35	17.7	10.0	и	"	н	**	*	H	
Surrogate: 1-Chlorooctane		86.0 %	70-1	30			<i>"</i>	"	
Surrogate: 1-Chlorooctadecane		83.4 %	70-1	130	"	"	"	"	

Environmental Lab of Texas

Quality 7 ssurance Review

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

Page 2 of 6

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Spoil 8 (4C18001-01)									
% Solids	89.0		%	1	EC41901	03/19/04	03/19/04	% calculation	

Environmental Lab of Texas

Quality Assurance Review

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

Page 3 of 6

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EC41826 - Solvent Extraction ((GC)									
Blank (EC41826-BLK1)				Prepared:	03/18/04	Analyzed	: 03/19/04			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet							
Diesel Range Organics >C12-C35	ND	10.0	18							
Total Hydrocarbon C6-C35	ND	10.0	"							
Surrogate: 1-Chlorooctane	38.6		mg/kg	50.0		77.2	70-130			
Surrogate: 1-Chlorooctadecane	35.3		"	50.0		70.6	70-130			
LCS (EC41826-BS1)				Prepared:	03/18/04	Analyzed	: 03/20/04			
Gasoline Range Organics C6-C12	474		mg/kg	500		94.8	75-125			
Diesel Range Organics >C12-C35	537		"	500		107	75-125			
Total Hydrocarbon C6-C35	1010		**	1000		101	75-125			
Surrogate: 1-Chlorooctane	54.1		"	50.0		108	70-130			·····
Surrogate: 1-Chlorooctadecane	43.9		"	50.0		87.8	70-130			
LCS Dup (EC41826-BSD1)				Prepared:	03/18/04	Analyzed	: 03/20/04			
Gasoline Range Organics C6-C12	485		mg/kg	500		97.0	75-125	2.29	20	
Diesel Range Organics >C12-C35	556		н	500		111	75-125	3.48	20	
Total Hydrocarbon C6-C35	1040		11	1000		104	75-125	2.93	20	
Surrogate: 1-Chlorooctane	56.5		"	50.0	=	113	70-130			
Surrogate: 1-Chlorooctadecane	46.0		"	50.0		92.0	70-130			
Calibration Check (EC41826-CCV1)				Prepared:	03/18/04	Analyzed	l: 03/20/04			
Gasoline Range Organics C6-C12	466		mg/kg	500		93.2	80-120			
Diesel Range Organics >C12-C35	574		"	500		115	80-120			
Total Hydrocarbon C6-C35	1040		11	1000		104	80-120			
Surrogate: 1-Chlorooctane	51.5		"	50.0		103	70-130			<u>, ,,,,,,</u>
Surrogate: 1-Chlorooctadecane	44.8		"	50.0		89.6	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

Page 4 of 6

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

lune

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 EC41901 - % Solids				<u></u>						
Blank (EC41901-BLK1)		Prepared & Analyzed: 03/19/04								
% Solids	100		%							
Duplicate (EC41901-DUP1)	Sou	rce: 4C1800)3-01	Prepared	& Analyz	ed: 03/19/	04			
% Solids	89.0		%		88.0			1.13	20	

Environmental Lab of Texas

Quality Assurance Rev

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

Page 5 of 6

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

Environmental Lab of Texas

Quality Assurance Review

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

Page 6 of 6

VT NAME:	SITE MANAGER:	PARA	METERS/METHOD NUMBER	CHAIN-OF-CUSTODY RECORD
<u>Дуледу</u> 1 NG:: D-0100-20	Lindy Lrain PROJECT NAME: Site #20	DUTAINERS M.2.M		A arson &
/ OF / LAB. PC	#0	0£ CC		507 N. Marienfeld, Ste. 202 • Midland, TX 79701
5, 231420 1105 232147M 3W14	SAMPLE IDENTIFICATION	Hell		LAB. I.D. REMARKS NUMBER (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, (LAB USE ONLY) GRAB COMPOSITE)
1230	Spril 8)		HC19001-01
D &Y: (Sighature) . Vili A Adrive	DATE: ジバン化4 RELIT TIME: ノンジン	NQUISHED BY: (Signature)	DATE: TIME:	RECEIVED BY: (Signature) DATE:
JISHED BY: (Signigiture)	DATE: DATE: DATE: RECE	EIVED BY: (Signature)	DATE:	sating the shipped by: (Circle) δ
inter Caler	TIME: 09/10		TIME:	FEDEX BUS AIRBILL #.
ÉNTS/			TURNAROUND TIME NEEDED	HAMD DELIVERED UPS OTHER: WHITE - RECEIVING LAB YELLOW - RECEIVING LAB (TO BE RETI IRNED TO
NG LABORATORY: EAV. LI	ab of TX	RECEIVED BY: (Signe	sture)	LA AFTER RECEIPT) PINK – PROJECT MANAGER
Cidesse S	1ATE: <u>7X</u> ZIP: <u>7</u> HONE: <u>563-(6)00</u>	976 DATE 3-19-4	TIME: 0910	GOLD - QA/QC COORDINATOR
CONDITION WHEN RECEIVED: 12	5°C Hoz glass	LA CONTACT PE	son:	SAMPLE TYPE:
Co	1.CO		and a state of the second second second second second second second second second second second second second s	the statistical statistic design of a structure of the statistic design of the

i

1

D

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

Client: Larson + Associates

Date/Time: 03-18-04@0915

Order #: 4 C 1800 1

Initials: JMM

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	12.5 C	7
Shipping container/cooler in good condition?	Yes	No	N/A]
Custody Seals intact on shipping container/cooler?	Yes	No	(Not present)	7
Custody Seals intact on sample bottles?	Yes	No	Not present	7
Chain of custody present?	Yes	No]
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Tes	No		
Chain of custody agrees with sample label(s)	Yes	No	NO LABEL	i
Container labels legible and intact?	Yes	No	NO LABEL	
Sample Matrix and properties same as on chain of custody?	Yeg	No		7
Samples in proper container/bottle?	Ves	No		7
Samples properly preserved?	Yes	No	should be 4°C] # 2'0
Sample bottles intact?	(Yes)	No]
Preservations documented on Chain of Custody?	res	No		
Containers documented on Chain of Custody?	(es)	No		
Sufficient sample amount for indicated test?	(ES)	No		
All samples received within sufficient hold time?	Tes	No		
VOC samples have zero headspace?	(Yes)	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: -	Date/Time:	Conta	cted by:
Regarding:			

Corrective Action Taken:

1

-



and a state of the

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: Hugh 24"

Lab Order Number: 4F25004

Report Date: 06/29/04

P

. . .

-

.

100 M210

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
South End - Bottom	4F25004-01	Soil	06/24/04 16:20	06/25/04 09:45
South End - West	4F25004-02	Soil	06/24/04 16:30	06/25/04 09:45
South End - South	4F25004-03	Soil	06/24/04 16:35	06/25/04 09:45
South End - East	4F25004-04	Soil	06/24/04 16:45	06/25/04 09:45

A. . . .

ł

- - -

Γ

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South End - Bottom (4F25004-01) S	oil						_		
Benzene	ND	0.0250	mg/kg dry	25	EF42907	06/25/04	06/27/04	EPA 8021B	
Toluene	0.0399	0.0250	0	"	**	"	н	n	
Ethylbenzene	0.0524	0.0250	н	11	"	"	11	n	
Xylene (p/m)	0.181	0.0250	н	"	17	"	n	"	
Xylene (0)	0.0769	0.0250	н	11	11	11	и	11	
Surrogate: a,a,a-Trifluorotoluene		84.5 %	80	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80	120	"	"	"	"	
Gasoline Range Organics C6-C12	10.8	10.0	mg/kg dry	1	EF42802	06/27/04	06/27/04	EPA 8015M	
Diesel Range Organics >C12-C35	21.3	10.0	и	"	11	11	н	M	
Total Hydrocarbon C6-C35	32.1	10.0	"	"	R	н	**	n	
Surrogate: 1-Chlorooctane		86.0 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		77.4 %	70	130	"	"	"	"	
South End - West (4F25004-02) Soil	I								
Benzene	ND	0.0250	mg/kg dry	25	EF42907	06/25/04	06/27/04	EPA 8021B	
Toluene	ND	0.0250	"	"	"	"	н	n	
Ethylbenzene	ND	0.0250	"	11	11	*1	"	"	
Xylene (p/m)	ND	0.0250	н		11	**	"	**	
Xylene (o)	ND	0.0250	n	"	11	n	и	н	
Surrogate: a,a,a-Trifluorotoluene		80.4 %	80-	120	"	"	H	"	
Surrogate: 4-Bromofluorobenzene		80.0 %	80-	120	"	"	"	"	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EF42802	06/27/04	06/27/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	11	"	11	"	
Total Hydrocarbon C6-C35	ND	10.0	"		"	"	11	n	
Surrogate: 1-Chlorooctane		95.2 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.4 %	70-	130	"	"	"	"	
South End - South (4F25004-03) So	il								
Benzene	ND	0.0250	mg/kg dry	25	EF42907	06/25/04	06/27/04	EPA 8021B	
Toluene	J [0.0202]	0.0250	11	11	"	11	"	**	
Ethylbenzene	0.0528	0.0250	н	••	н	11		"	
Xylene (p/m)	0.221	0.0250	н	N	n	u	n	11	
Xylene (0)	0.115	0.0250	n	11	"	н	n	19	
Surrogate: a,a,a-Trifluorotoluene		83.0 %	80-	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.7 %	80-	120	"	"	н	"	
Gasoline Range Organics C6-C12	158	10.0	mg/kg dry	1	EF42802	06/27/04	06/27/04	EPA 8015M	
Diesel Range Organics >C12-C35	830	10.0	**	11		"	14	"	
Total Hydrocarbon C6-C35	988	10.0	11	"	Ħ	U	n	H	

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. Page 2 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC **Environmental Lab of Texas**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
South End - South (4F25004-03) Soil									
Surrogate: 1-Chlorooctane		94.4 %	70-1	130	EF42802	06/27/04	06/27/04	EPA 8015M	
Surrogate: 1-Chlorooctadecane		99.0 %	70-1	130	"	"	"	"	
South End - East (4F25004-04) Soil									
Gasoline Range Organics C6-C12	454	10.0	mg/kg dry	1	EF42802	06/27/04	06/27/04	EPA 8015M	
Diesel Range Organics >C12-C35	647	10.0		n	н	"	н	"	
Total Hydrocarbon C6-C35	1100	10.0	н	11	11	"	n	91	
Surrogate: 1-Chlorooctane		117 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		107 %	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.

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

Page 3 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods

Environmental Lab of Texas

Analyte	Result	Reporting Limit Uni	ts Dilution	1 Batch	Prepared	Analyzed	Method	Note
South End - Bottom (4F25004-01) Soil	·····							
Chloride	98.2	20.0 mg/kg	Wet 2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	84.0	%	1	EF42601	06/25/04	06/26/04	% calculation	
South End - West (4F25004-02) Soil								
Chloride	99.3	20.0 mg/kg	Wet 2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	95.0	%	1	EF42601	06/25/04	06/26/04	% calculation	
South End - South (4F25004-03) Soil								
Chloride	2200	20.0 mg/kg	Wet 2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	90.0	%	1	EF42601	06/25/04	06/26/04	% calculation	
South End - East (4F25004-04) Soil								
Chloride	99.3	20.0 mg/kg	Wet 2	EF42503	06/25/04	06/26/04	SW 846 9253	
% Solids	89.0	%	1	EF42601	06/25/04	06/26/04	% calculation	

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.

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

I

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 EF42802 - Solvent Extraction	(GC)									
Blank (EF42802-BLK1)				Prepared	& Analyze	ed: 06/27/	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	'n							
Surrogate: 1-Chlorooctane	35.9		mg/kg	50.0		71.8	70-130			
Surrogate: 1-Chlorooctadecane	37.3		"	50.0		74.6	70-130			
LCS (EF42802-BS1)				Prepared	& Analyze	ed: 06/27/	04			
Gasoline Range Organics C6-C12	412	10.0	mg/kg wet	500		82.4	75-125			
Diesel Range Organics >C12-C35	439	10.0	n	500		87.8	75-125			
Total Hydrocarbon C6-C35	851	10.0	"	1000		85.1	75-125			
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0		93.4	70-130			
Surrogate: 1-Chlorooctadecane	39.2		"	50.0		78.4	70-130			
Calibration Check (EF42802-CCV1)				Prepared	& Analyze	ed: 06/27/	04			
Gasoline Range Organics C6-C12	422		mg/kg	500		84.4	80-120			
Diesel Range Organics >C12-C35	489		n	500		97.8	80-120			
Total Hydrocarbon C6-C35	911		н	1000		91.1	80-120			
Surrogate: 1-Chlorooctane	52.1		"	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	37.1		"	50.0		74.2	70-130			
Matrix Spike (EF42802-MS1)	So	urce: 4F250	04-01	Prepared	& Analyz	ed: 06/27/	04			
Gasoline Range Organics C6-C12	548	10.0	mg/kg dry	595	10.8	90.3	75-125			
Diesel Range Organics >C12-C35	650	10.0	"	595	21.3	106	75-125			
Total Hydrocarbon C6-C35	1200	10.0	"	1190	32.1	98.1	75-125			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	70-130			
Surrogate: 1-Chlorooctadecane	42.8		"	50.0		85.6	7 0-13 0			
Matrix Spike Dup (EF42802-MSD1)	So	ource: 4F250	04-01	Prepared	& Analyz	ed: 06/27/	04			
Gasoline Range Organics C6-C12	533	10.0	mg/kg dry	595	10.8	87.8	75-125	2.78	20	
Diesel Range Organics >C12-C35	690	10.0	91	595	21.3	112	75-125	5.97	20	
Total Hydrocarbon C6-C35	1220	10.0	"	1190	32.1	99.8	75-125	1.65	20	
Surrogate: 1-Chlorooctane	49.7		mg/kg	50.0		99.4	70-130			R*
Surrogate: 1-Chlorooctadecane	41.4		"	50.0		82.8	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.

Page 5 of 10

06/29/04 14:32

Organics by GC - Quality Control

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42907 - EPA 5030C (GC)										
Blank (EF42907-BLK1)				Prepared	& Analyze	ed: 06/25/	04			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250	н							
Xylene (p/m)	ND	0.0250								
Xylene (0)	ND	0.0250	11							
Surrogate: a,a,a-Trifluorotoluene	85.6		ug/kg	100		85.6	80-120			
Surrogate: 4-Bromofluorobenzene	90.2		"	100		90.2	80-120			
LCS (EF42907-BS1)				Prepared:	06/25/04	Analyzed	1: 06/28/04			
Benzene	99.8		ug/kg	100		99.8	80-120			~~~~
Toluene	103		"	100		103	80-120			
Ethylbenzene	103		**	100		103	80-120			
Xylene (p/m)	207			200		104	80-120			
Xylene (o)	105		n	100		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	101	- ne ne	"	100		101	80-120			
Surrogate: 4-Bromofluorobenzene	107		"	100		107	80-120			
Calibration Check (EF42907-CCV1)				Prepared:	06/25/04	Analyzed	1: 06/28/04			
Benzene	98.0		ug/kg	100	· · · · ·	98.0	80-120			
Toluene	103		н	100		103	80-120			
Ethylbenzene	101		H	100		101	80-120			
Xylene (p/m)	202		н	200		101	80-120			
Xylene (0)	101		11	100		101	80-120			
Surrogate: a,a,a-Trifluorotoluene	107			100		107	80-120			
Surrogate: 4-Bromofluorobenzene	100		"	100		100	80-120			
Matrix Spike (EF42907-MS1)	So	ource: 4F280	01-01	Prepared:	: 06/25/04	Analyzed	1: 06/29/04			
Benzene	106		ug/kg	100	ND	106	80-120			
Toluene	110		*	100	ND	110	80-120			
Ethylbenzene	109		n	100	ND	109	80-120			
Xylene (p/m)	218		11	200	ND	109	80-120			
Xylene (o)	107		н	100	ND	107	80-120			
Surrogate: a,a,a-Trifluorotoluene	109			100		109	80-120			
Surrogate: 4-Bromofluorobenzene	104		"	100		104	80-120			

Environmental Lab of Texas

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

Page 6 of 10

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF42907 - EPA 5030C (GC)										
Matrix Spike Dup (EF42907-MSD1)	Sour	·ce: 4F28001	-01	Prepared:	06/25/04	Analyzed	: 06/29/04			
Benzene	100		ug/kg	100	ND	100	80-120	5.83	20	
Toluene	104		11	100	ND	104	80-120	5.61	20	
Ethylbenzene	104		R	100	ND	104	80-120	4.69	20	
Xylene (p/m)	209		11	200	ND	104	80-120	4.69	20	
Xylene (o)	107		н	100	ND	107	80-120	0.00	20	
Surrogate: a,a,a-Trifluorotoluene	102		"	100	•	102	80-120			
Surrogate: 4-Bromofluorobenzene	110		"	100		110	80-120			

Environmental Lab of Texas

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

Page 7 of 10

General Chemis	try Paran	neters by F	EPA /	Standar ab of T	rd Meth	nods - Q	uality C	Contro	1	
		Unvironme	miai L	aD 01 1	exas					
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EF42503 - Water Extraction										
Blank (EF42503-BLK1)				Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	ND	20.0 m	g/kg Wet							
Blank (EF42503-BLK2)				Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	ND	20.0 m	g/kg Wet				·			
Blank (EF42503-BLK3)				Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	ND	20.0 m	g/kg Wet					··		
Matrix Spike (EF42503-MS1)	So	urce: 4F25002	-01	Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	851	20.0 m	g/kg Wet	500	319	106	80-120			
Matrix Spike (EF42503-MS2)	So	urce: 4F25002	-21	Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	1170	20.0 m	g/kg Wet	500	659	102	80-120			
Matrix Spike (EF42503-MS3)	So	urce: 4F25004	-04	Prepared:	06/25/04	Analyzed	: 06/26/04			
Chloride	581	20.0 m	g/kg Wet	500	99.3	96.3	80-120			
Matrix Spike Dup (EF42503-MSD1)	So	urce: 4F25002	2-01	Prepared	: 06/25/04	Analyzed	: 06/26/04			
Chloride	840	20.0 m	g/kg Wet	500	319	104	80-120	1.30	20	
Matrix Spike Dup (EF42503-MSD2)	So	urce: 4F25002	2-21	Prepared	: 06/25/04	Analyzed	: 06/26/04			
Chloride	1160	20.0 m	g/kg Wet	500	659	100	80-120	0.858	20	
Matrix Spike Dup (EF42503-MSD3)	So	ource: 4F25004	I-04	Prepared	: 06/25/04	Analyzed	: 06/26/04			
Chloride	588	20.0 m	ig/kg Wet	500	99.3	97.7	80-120	1.20	20	
Reference (EF42503-SRM1)				Prepared	& Analyz	ed: 06/26/0	04			
Chloride	5000	····	mg/kg	5000		100	80-120			

Environmental Lab of Texas

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

Page 8 of 10

General Chemistry Parameters by EPA / Standard Methods - Quality Control

Environmental Lab of Texas

4 1.		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EF42503 - Water Extractio	n									
Reference (EF42503-SRM2)				Prepared	& Analyz	ed: 06/26/	04			
Chloride	5000		mg/kg	5000		100	80-120			
Reference (EF42503-SRM3)				Prepared	& Analyze	ed: 06/26/	04			
Chloride	5000		mg/kg	5000		100	80-120		,	
Batch EF42601 - General Prepara	ation (Prep)									
Blank (EF42601-BLK1)				Prepared:	06/25/04	Analyzed	: 06/26/04			
% Solids	0.0		%	u						
Duplicate (EF42601-DUP1)	So	urce: 4F2400	2-01	Prepared:	06/25/04	Analyzed	1: 06/26/04			
% Solids	95.0		%		95.0			0.00	20	

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.

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

Page 9 of 10

Larson	n & Associates, Inc.	Project: Dynegy Site #20	Fax: (432) 687-0456
P.O. E	Box 50685	Project Number: 0-0100-20	Reported:
Midla	nd TX, 79710	Project Manager: Cindy Crain	06/29/04 14:32
		Notes and Definitions	
J	Detected but below the Report	ting 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

Calan dK74 Report Approved By: Date: 6-29-04

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.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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.

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

Page 10 of 10

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

Client:	Larson
Date/Time:	6/25/04 9:45
Order #:	4F25004
Initials:	CDK

.....

:

-

Sample Receipt Checklist

res	No	3.5 C
See	No	
Yes	No	Not present
Yes	No	Not present
(Yes)	No	
Jes 2	No	
Jes)	No	
(Yes)	No	
Yes .	No.	ID written onlic
res	No	
Ves	No	
Yes	No	
Ves	No	
res	No	
(Yes)	No	
Tes	No	
Jes .	No	
Yes	NO	Not Applicable
	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	CesNoYesNo

Other observations:

Contact Person: Regarding:	Variance Documentation: Date/Time:	_ Contacted by:
Corrective Action Taken:		

1

IAME:	SITE MANAGER:	PARAMETERS/METHOD NUN	NBER CHAIN-OF-CUSTODY RECORD
r '	PROJECT NAME: C: te # 20	тека лека	
7 00 - 5	C HUSP-24"A	IIATNO ZOSZ OPCO DPC	Environmental Consultants 432-607-0430 432-687-0901
	LAB. PO #	مد در ۲۰۰۷ (مر ۲۰۰۷ (مر	507 N. Marienfeld, Ste. 202 • Midland, TX 79701
NOS SON	SAMPLE IDENTIFICATION	СЧ 8-1 9. И Л В С Г Ч С С Ч С С Ч С С Ч С С Ч С	LAB. I.D. REMARKS NUMBER (I.E., FILTERED, UNFILTERED, PRESERVED, UNPRESERVED, (LAB USE ONLY) CRAB COMPOSITE)
X	Senth End - Putter	\sim \sim \sim \sim \sim \sim \sim \sim \sim \sim	HCZSpotul
-	South End-Vert	\sim	82
	South End - South	$\lambda $	ß
₹ 2	1 Swith End - Cost	/ / /	Oť
Signaturel	DATE 4/24/65 RELIDED	HED BY: (Signature) DATE -/2	Active Received BY: (Signature) DATE:
	IIME: IGMS		
) BY: (Signature	e) UALE: KECEIVEL TIME:	bt: (bignature) UALE: TIMF-	
			HAND DELIVERED UPS OTHER:
1			
ICRATORY: E	W 1-20 5 2071	- RECEIVED BY, (Signature)	LA AFTER RECEIPT) LA AFTER RECEIPT) PINK – PROJECT MANAGER
alcut 14	HL PHONE: <u>N32 563 18</u>	DATE: USE 4.45	GOLD - QA/QC COORDINATOR
IN WHEN RECEIVED	3.5°C		SAMPLE TYPE: SOME HOZ GALOSS
三三ち 一日をうちち なまいきおたいなる			



Π

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4I11002

Report Date: 09/15/04

I

I

Ð

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Fax: (432) 687-0456 **Reported:** 09/15/04 08:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SS-14	4I11002-01	Soil	09/10/04 10:00	09/10/04 16:45
SS-15	4111002-02	Soil	09/10/04 10:10	09/10/04 16:45
SS-16	4111002-03	Soil	09/10/04 10:18	09/10/04 16:45

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

11

.

U

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-14 (4I11002-01) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI41402	09/13/04	09/13/04	EPA 8021B	
Toluene	ND	0.0250	н		**	"	I	"	
Ethylbenzene	J [0.0144]	0.0250	"	*		"	n	14	J
Xylene (p/m)	ND	0.0250	н	19	*	"	N		
Xylene (0)	J [0.0151]	0.0250	н		11	11	н	**	J
Surrogate: a,a,a-Trifluorotoluene		81.1 %	80-1	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.9 %	80-1	120	"	"	"	"	
Gasoline Range Organics C6-C12	31.7	10.0	mg/kg dry	1	EI41006	09/13/04	09/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	84.0	10.0	11	۳	*	W	"	м	
Total Hydrocarbon C6-C35	116	10.0	н	**	н	"	n	H	
Surrogate: 1-Chlorooctane	·	129 %	70-1	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		122 %	70-2	130	"	"	"	"	
SS-15 (4I11002-02) Soil									
Benzene	ND	0.0250	mg/kg dry	25	EI41402	09/13/04	09/13/04	EPA 8021B	
Toluene	0.0362	0.0250	u	H	н	**	*	"	
Ethylbenzene	0.238	0.0250	" '	и	"	"	н	**	
Xylene (p/m)	0.966	0.0250	"	"	"	"	"	**	
Xylene (0)	0.345	0.0250	н	н	11	н	**	11	
Surrogate: a,a,a-Trifluorotoluene		81.7 %	80	120	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		136 %	80	120	"	"	"	"	S-04
Gasoline Range Organics C6-C12	1360	10.0	mg/kg dry	1	EI41006	09/13/04	09/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	3020	10.0	*	11	11			"	
Total Hydrocarbon C6-C35	4380	10.0	H	N	H	*	н	11	
Surrogate: 1-Chlorooctane		119 %	70	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		151 %	70-	130	"	"	"	"	S-04
SS-16 (4I11002-03) Soil									
Gasoline Range Organics C6-C12	43.7	10.0	mg/kg dry	1	EI41006	09/13/04	09/14/04	EPA 8015M	
Diesel Range Organics >C12-C35	320	10.0	"	"	н	11	**	•	
Total Hydrocarbon C6-C35	364	10.0	N	"	"	H	11	"	
Surrogate: 1-Chlorooctane		96.4 %	70-	130	"	"	"	"	
Surrogate: 1-Chlorooctadecane		98.0 %	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.

4

H

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

General Chemistry Parameters by EPA / Standard Methods Environmental Lab of Texas									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-14 (4I11002-01) Soil									
% Solids	89.0		%	1	EI41411	09/13/04	09/13/04	% calculation	
SS-15 (4111002-02) Soil									
% Solids	91.0		%	1	EI41411	09/13/04	09/13/04	% calculation	
SS-16 (4111002-03) Soil									

% Solids 91.0 % calculation % 1 09/13/04 EI41411 09/13/04

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.

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

Page 3 of 9

- 114 - 17

100 TO 100

And the second se

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

09/15/04 08:02

Notes

RPD

Limit

Organics by GC - Quality Control Environmental Lab of Texas

	L		ciitai L		слаб			
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD
Batch EI41006 - Solvent Extra	ction (GC)							

Blank (EI41006-BLK1)				Prepared: 09/1	0/04 Analyzed	1: 09/13/04	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet		· · · · ·		
Diesel Range Organics >C12-C35	ND	10.0	н				
Total Hydrocarbon C6-C35	ND	10.0	"				
Surrogate: 1-Chlorooctane	53.4		mg/kg	50.0	107	70-130	
Surrogate: 1-Chlorooctadecane	52.2		"	50.0	104	70-130	
Blank (EI41006-BLK2)				Prepared: 09/1	0/04 Analyzed	1: 09/14/04	
Gasoline Range Organics C6-C12	ND	10.0	mg/kg wet				
Diesel Range Organics >C12-C35	ND	10.0	и				
Total Hydrocarbon C6-C35	ND	10.0	*				
Surrogate: 1-Chlorooctane	52.0		mg/kg	50.0	104	70-130	
Surrogate: 1-Chlorooctadecane	42.9		"	50.0	85.8	70-130	
LCS (EI41006-BS1)				Prepared: 09/2	10/04 Analyzed	1: 09/13/04	
Gasoline Range Organics C6-C12	422	10.0	mg/kg wet	500	84.4	75-125	
Diesel Range Organics >C12-C35	518	10.0	Ħ	500	104	75-125	
Total Hydrocarbon C6-C35	940	10.0	"	1000	94.0	75-125	
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0	102	70-130	
Surrogate: 1-Chlorooctadecane	53.8		"	50.0	108	70-130	
LCS (EI41006-BS2)				Prepared: 09/	10/04 Analyzed	1: 09/14/04	
Gasoline Range Organics C6-C12	445	10.0	mg/kg wet	500	89.0	75-125	
Diesel Range Organics >C12-C35	495	10.0	11	500	99.0	75-125	
Total Hydrocarbon C6-C35	940	10.0	"	1000	94.0	75-125	
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0	121	70-130	
Surrogate: 1-Chlorooctadecane	37.6		"	50.0	75,2	70-130	
Calibration Check (EI41006-CCV1)				Prepared: 09/	10/04 Analyze	d: 09/13/04	
Gasoline Range Organics C6-C12	467		mg/kg	500	93.4	80-120	
Diesel Range Organics >C12-C35	564		н	500	113	80-120	
Total Hydrocarbon C6-C35	1030		"	1000	103	80-120	
Surrogate: 1-Chlorooctane	50.7		///	50.0	101	70-130	
Surrogate: 1-Chlorooctadecane	52.9		"	50.0	106	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. Page 4 of 9

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

11

1

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Reported: 09/15/04 08:02

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EI41006 - Solvent Extraction ((GC)			<u> </u>						
Calibration Check (EI41006-CCV2)				Prepared:	09/10/04	Analyzed	: 09/14/04			
Gasoline Range Organics C6-C12	477		mg/kg	500		95.4	80-120			
Diesel Range Organics >C12-C35	554		н	500		111	80-120			
Total Hydrocarbon C6-C35	1030		"	1000		103	80-120			
Surrogate: 1-Chlorooctane	52.2		#	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	51.3		"	50.0		103	70-130			
Matrix Spike (EI41006-MS1)	Sou	ırce: 411000	8-02	Prepared:	09/10/04	Analyzed	1: 09/14/04			
Gasoline Range Organics C6-C12	417	10.0	mg/kg dry	505	ND	82.6	75-125			
Diesel Range Organics >C12-C35	519	10.0	"	505	ND	103	75-125			
Total Hydrocarbon C6-C35	936	10.0	"	1010	ND	92.7	75-125			
Surrogate: 1-Chlorooctane	46.4		mg/kg	50.0		92.8	70-130			
Surrogate: 1-Chlorooctadecane	47.1		"	50.0		<i>94.2</i>	70-130			
Matrix Spike (EI41006-MS2)	Sou	urce: 411001	18-07	Prepared:	09/10/04	Analyzed	l: 09/14/04			
Gasoline Range Organics C6-C12	417	10.0	mg/kg dry	500	ND	83.4	75-125			
Diesel Range Organics >C12-C35	499	10.0	н	500	ND	99.8	75-125			
Total Hydrocarbon C6-C35	916	10.0	*	1000	ND	91.6	75-125			
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.6	70-130			
Surrogate: 1-Chlorooctadecane	42.6		"	50.0		<i>85.2</i>	70-130			
Matrix Spike Dup (EI41006-MSD1)	So	urce: 4I100(08-02	Prepared	09/10/04	Analyzed	i: 09/14/04			
Gasoline Range Organics C6-C12	444	10.0	mg/kg dry	505	ND	87.9	75-125	6.27	20	
Diesel Range Organics >C12-C35	523	10.0	"	505	ND	104	75-125	0.768	20	
Total Hydrocarbon C6-C35	967	10.0	**	1010	ND	95.7	75-125	3.26	20	
Surrogate: 1-Chlorooctane	45.9		mg/kg	50.0		91.8	70-130			
Surrogate: 1-Chlorooctadecane	47.7		"	50.0		95.4	70-130			
Matrix Spike Dup (EI41006-MSD2)	So	urce: 4I100	18-07	Prepared	: 09/10/04	Analyzed	1: 09/14/04			
Gasoline Range Organics C6-C12	433	10.0	mg/kg dry	500	ND	86.6	75-125	3.76	20	
Diesel Range Organics >C12-C35	533	10.0	Ħ	500	ND	107	75-125	6.59	20	
Total Hydrocarbon C6-C35	966	10.0	"	1000	ND	96.6	75-125	5.31	20	
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0		104	70-130			
Surrogate: 1-Chlorooctadecane	46.7		"	50.0		93.4	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.

Page 5 of 9

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Fax: (432) 687-0456

Reported: 09/15/04 08:02

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 EI41402 - EPA 5030C (GC)										
Blank (EI41402-BLK1)				Prepared	& Analyze	ed: 09/13/	04			
Benzene	ND	0.0250	mg/kg wet							
Toluene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Xylene (p/m)	ND	0.0250	Ħ							
Xylene (0)	ND	0.0250	н							
Surrogate: a,a,a-Trifluorotoluene	83.9		ug/kg	100		83.9	80-120			
Surrogate: 4-Bromofluorobenzene	90.1		"	100		90.1	80-120			
LCS (EI41402-BS1)				Prepared	& Analyze	ed: 09/13/	04			
Benzene	86.0		ug/kg	100		86.0	80-120			
Toluene	83.4		**	100		83.4	80-120			
Ethylbenzene	84.2		"	100		84.2	80-120			
Xylene (p/m)	185		H	200		92.5	80-120			
Xylene (o)	92.4		"	100		92.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	106	<u>-</u>		100		106	80-120			
Surrogate: 4-Bromofluorobenzene	96.1		"	100		96. I	80-120			
Calibration Check (EI41402-CCV1)				Prepared	& Analyz	ed: 09/13/	04			
Benzene	83.3		ug/kg	100		83.3	80-120			
Toluene	81.5		"	100		81.5	80-120			
Ethylbenzene	81.9		"	100		81.9	80-120			
Xylene (p/m)	176		u	200		88.0	80-120			
Xylene (o)	87.8		H	100		87.8	80-120		•	
Surrogate: a,a,a-Trifluorotoluene	104		"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	87. 9		"	100		87.9	80-120			
Matrix Spike (EI41402-MS1)	Se	ource: 41100	18-01	Prepared	& Analyz	ed: 09/13/	04			
Benzene	89.3		ug/kg	100	ND	89.3	80-120		- · · · · · · · · · · · · · · · · · · ·	
Toluene	90.0		н	100	ND	90.0	80-120			
Ethylbenzene	90.8		"	100	ND	90.8	80-120			
Xylene (p/m)	199		H	200	ND	99.5	80-120			
Xylene (o)	99.6		"	100	ND	99.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	104	a 	"	100		104	80-120			
Surrogate: 4-Bromofluorobenzene	94.7		"	100		94.7	80-120			

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

Page 6 of 9

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

09/15/04 08:02

Organics by GC - Quality Control

Environmental Lab of Texas

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit U	nits	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch EI41402 - EPA 5030C (GC)										
Matrix Spike Dup (EI41402-MSD1)	Sour	·ce: 4I10018-01	l	Prepared	& Analyze	ed: 09/13/)4			
Benzene	84.4		g/kg	100	ND	84.4	80-120	5.64	20	
Toluene	84.6		17	100	ND	84.6	80-120	6.19	20	
Ethylbenzene	85.1		"	100	ND	85.1	80-120	6.48	20	
Xylene (p/m)	189		11	200	ND	94.5	80-120	5.15	20	
Xylene (0)	93.8		м	100	ND	93.8	80-120	6.00	20	
Surrogate: a,a,a-Trifluorotoluene	99.5		-n	100		99.5	80-120			
Surrogate: 4-Bromofluorobenzene	91.7		"	100		91 .7	80-120			

Environmental Lab of Texas

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

Page 7 of 9

Larson & Associates, Inc.	Project: Dynegy Site #20	Fax: (432) 687-0456
P.O. Box 50685	Project Number: 0-0100-20	Reported:
Midland TX, 79710	Project Manager: Cindy Crain	09/15/04 08:02

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 EI41411 - General Prepar	ation (Prep)									
Blank (EI41411-BLK1)				Prepared	& Analyz	ed: 09/13/	04			
% Solids	100		%							
Duplicate (EI41411-DUP1)	So	urce: 4I1100	2-01	Prepared	& Analyz	ed: 09/13/	04			
% Solids	89.0		%		89.0			0.00	20	

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.

Larson &	& Associates, Inc.	Project: D	negy Site #20	Fax: (432) 687-045
P.O. Bo	P.O. Box 50685 Project Number: 0-0100		0100-20	Reported:
Midland	TX, 79710	09/15/04 08:02		
		Notes and Defin	itions	
S-04	The surrogate recovery for this	s sample is outside of established con	ntrol limits due to a sample ma	trix effect.
J	Detected but below the Report	ing Limit; therefore, result is an esti-	mated concentration (CLP J-Fl	ag).
DET	Analyte DETECTED			
ND	Analyte NOT DETECTED at or	above the reporting limit		
NR	Not Reported			
đry	Sample results reported on a dry	weight basis		
RPD	Relative Percent Difference			
LCS	Laboratory Control Spike			
MS	Matrix Spike			
Dup	Duplicate			

alandk Jud Report Approved By: 9-15-04 Date:

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.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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.

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

Page 9 of 9

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

Client: Larson & Associates

Date/Time: 09-11-04 @ 0615

Order #: 411002

Initials: Jmm

Sample Receipt Checklist

Temperature of container/cooler?	(Yes)	No	4,0 C
Shipping container/cooler in good condition?	Yes	No	NIA
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?	res	No	
Chain of Custody signed when relinquished and received?	(Yes)	No	
Chain of custody agrees with sample label(s)	Yes	No	No labels - written onlich
Container labels legible and intact?	Yes	No	Nolabels - written onlid
Sample Matrix and properties same as on chain of custody?	(Hes.	No	
Samples in proper container/bottle?	(Yes)	No	
Samples properly preserved?	Kes	No	
Sample bottles intact?	Tes	No	
Preservations documented on Chain of Custody?	Tes	No	
Containers documented on Chain of Custody?	Tes	No	
Sufficient sample amount for indicated test?	Pes	No	
All samples received within sufficient hold time?	Tes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

1

Ì

H

Contact Person: Regarding:	Variance Documentation: Date/Time:	_ Contacted by:
Corrective Action Taken:		

CLIENT NAME: STTE	E MANAGER:	PARAMI	ETERS/METHOD NUMBER	CHAINC	F-CUSTODY RECORD
PROJECT NO: PROJECT NO: PRO	DIECT NAME:	RURTO 2001 D VASI VINEKS		A arson &	∋s, InC. Fax: 432-687-0456
PAGE 1 OF 1 148. PO#	Jite #20	E CONTA		507 N. Marienf	consultants 432-687-0901 ald, Ste. 202 • Midland, TX 79701
35 23440 1105 2011 205 2414 2440 2440	MPLE IDENTIFICATION	GLG HLL ANWBEK O		LAB. I.D. NUMBER ILAB USE ONLY	REMARKS (I.E., FILTERED, UNFILTERED, PRESERVED, UNFILTERED, CADAR COMPOSITEI
9/1/1/2 1000 V	55-14	 		HI 11002-01	
	5-15	111		20-	
" 1018 V S	5-16	<u>/</u>		£0- A	
(5	2			
SAMPLED BY: (Sigpature)	DATE: 2110/09 RELINQUISHE) BY: (Sighature)	DATE: 21/10/14 TIME: 16:45	RECEIVED BY: (Signatu	ce) DATE:
REHMQUISHED BY: (Signature)	DATE: RECEIVED BY:	(Signature)	DATE:	SAMPLE SHIPPED BY: (Circle)
	TIME:		TIME:	FEDEX	BUS AIRBILL#:
COMMENTS:			TURNAROUND TIME NEEDED	WHITE - RECEIVING	LAB LAB
RECEIVING LABORATORY: <u>SAUES</u> ADDRESS: <u>STA</u> CITY: STA	<u>ав ст 7 схаг Re</u> ле: ZIP: Б	CEIVED BY: (Signatu Kalan C	re) X Jun X	Tellow - Receiving La After R Pink Project N Gold Da/Ac CO	Lab (10 de kelokined 10 Eceipt) (ANAGER Ordinator
CONTACT: K. TwH 12 PHI	ONE:	AIE. 17 10 4 1			
SAMPLE CONDITION WHEN RECEIVED: 4, 0' C	on ice Hozglass	LA CONTACT PERS	ON:	SAMPLE TYPE:	
a. An ann an an a' Anna ann a' Anna ann an ann ann ann ann ann ann ann		and the second second second second second second second second second second second second second second second		化学生化学 化合物 有效的 人名法	御御御子 御を御御のををうち、を御御をうちと した、ちゃちちょう、 ころをちとぼしたを 御御を

ļ

]

I

1

11

11



.

Analytical Report

Prepared for:

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Location: None Given

Lab Order Number: 4I21006

Report Date: 09/23/04

-

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-5 (2-4')	4121006-01	Soil	09/21/04 09:10	09/21/04 15:15
BH-5 (6-8')	4I21006-02	Soil	09/21/04 09:34	09/21/04 15:15
BH-5 (10-12')	4I21006-03	Soil	09/21/04 09:45	09/21/04 15:15
SS-17	4121006-04	Soil	09/21/04 10:00	09/21/04 15:15
SS-18	4I21006-05	Soil	09/21/04 10:04	09/21/04 15:15
SS-19	4I21006-06	Soil	09/21/04 10:08	09/21/04 15:15
SS-17 SS-18 SS-19	4121006-04 4121006-05 4121006-06	Soil Soil Soil	09/21/04 10:00 09/21/04 10:04 09/21/04 10:08	09/2 09/2 09/2
Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC									
Environmental Lab of Texas									
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
BH-5 (2-4') (4121006-01) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42113	09/22/04	09/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	"	"	"	"	"	*	
Total Hydrocarbon C6-C35	ND	10.0	н		н	H	н	**	
Surrogate: 1-Chlorooctane		92.0 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		89.0 %	70-1	30	"	"	"	"	
BH-5 (6-8') (4121006-02) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42113	09/22/04	09/22/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	11	"	н	"	H	н	
Total Hydrocarbon C6-C35	ND	10.0	"		"	"		54	
Surrogate: 1-Chlorooctane		100 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		84.0 %	70-1	30	"	"	"	"	
BH-5 (10-12') (4I21006-03) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42113	09/22/04	09/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	ND	10.0	11	"		н	11	*	
Total Hydrocarbon C6-C35	ND	10.0	Ħ	"		U U	"	N	
Surrogate: 1-Chlorooctane		94.6 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		81.6%	70-1	30	"	"	"	"	
SS-17 (4I21006-04) Soil									
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42113	09/22/04	09/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	67.0	10.0	u	*	Ħ	"	"	H	
Total Hydrocarbon C6-C35	67.0	10.0	м	"	*	11	"	**	
Surrogate: 1-Chlorooctane		105 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		87.2 %	70-1	30	"	"	"	"	
SS-18 (4I21006-05) Soil									
Gasoline Range Organics C6-C12	96.2	10.0	mg/kg dry	1	EI42113	09/22/04	09/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	1850	10.0	v	u		11	**	11	
Total Hydrocarbon C6-C35	1950	10.0	**	н	17	H	"	71	
Surrogate: 1-Chlorooctane		128 %	70-1	130	"	н	"	"	<u></u>
Surrogate: 1-Chlorooctadecane		197 %	70-1	130	"	"	"	"	S-04

Environmental Lab of Texas

11

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.

11

Page 2 of 8

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

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SS-19 (4I21006-06) Soil						·			
Gasoline Range Organics C6-C12	ND	10.0	mg/kg dry	1	EI42113	09/22/04	09/23/04	EPA 8015M	
Diesel Range Organics >C12-C35	13.6	10.0	н	Ħ	"	"	**	**	
Total Hydrocarbon C6-C35	13.6	10.0			*	"	"		
Surrogate: 1-Chlorooctane		106 %	70-1	30	"	"	"	"	
Surrogate: 1-Chlorooctadecane		110 %	70-1	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. Page 3 of 8

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	Note
BH-5 (2-4') (4I21006-01) Soil						•		
Chloride	ND	20.0 mg/kg Wet	2	EI42309	09/23/04	09/23/04	SW 846 9253	
% Solids	97.0	%	1	EI42301	09/22/04	09/22/04	% calculation	
BH-5 (6-8') (4I21006-02) Soil								
Chloride	53.2	20.0 mg/kg Wet	2	EI42309	09/23/04	09/23/04	SW 846 9253	
% Solids	93.0	%	1	EI42301	09/22/04	09/22/04	% calculation	
BH-5 (10-12') (4I21006-03) Soil								
Chloride	468	20.0 mg/kg Wet	2	EI42309	09/23/04	09/23/04	SW 846 9253	
% Solids	93.0	%	1	EI42301	09/22/04	09/22/04	% calculation	
SS-17 (4I21006-04) Soil								
Chloride	106	20.0 mg/kg Wet	2	EI42309	09/23/04	09/23/04	SW 846 9253	
% Solids	95.0	%	1	EI42301	09/22/04	09/22/04	% calculation	
SS-18 (4I21006-05) Soil								
Chloride	ND	20.0 mg/kg Wet	2	EI42309	09/23/04	09/23/04	SW 846 9253	
% Solids	99.0	%	1	EI42301	09/22/04	09/22/04	% calculation	
SS-19 (4I21006-06) Soil								
Chloride	404	20.0 mg/kg Wet	2	EI42309	09/22/04	09/23/04	SW 846 9253	
% Solids	97.0	%	1	EI42301	09/22/04	09/22/04	% calculation	

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. Page 4 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

Reported: 09/23/04 16:49

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 EI42113 - Solvent Extraction (GC)									
Blank (EI42113-BLK1)				Prepared:	09/21/04	Analyzed	1: 09/22/04			
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	49.9		mg/kg	50.0			70-130			
Surrogate: 1-Chlorooctadecane	44.3		"	50.0		88. 6	70-130			
Blank (EI42113-BLK2)				Prepared:	: 09/22/04	Analyzed	1: 09/23/04			
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	46.4		mg/kg	50.0		92.8	70-130			
Surrogate: 1-Chlorooctadecane	36.9		"	50.0		7 3 .8	70-130			
LCS (EI42113-BS1)				Prepared:	: 09/21/04	Analyzed	1: 09/22/04			
Gasoline Range Organics C6-C12	432	10.0	mg/kg wet	500		86.4	75-125		<u></u>	
Diesel Range Organics >C12-C35	528	10.0	"	500		106	75-125			
Total Hydrocarbon C6-C35	960	10.0	*	1000		96.0	75-125			
Surrogate: 1-Chlorooctane	58.8		mg/kg	50.0	·	118	70-130			
Surrogate: 1-Chlorooctadecane	56.4		"	50.0		113	70 -130			
LCS (EI42113-BS2)				Prepared:	: 09/22/04	Analyzed	1: 09/23/04			
Gasoline Range Organics C6-C12	415	10.0	mg/kg wet	500		83.0	75-125			
Diesel Range Organics >C12-C35	504	10.0	"	500		101	75-125			
Total Hydrocarbon C6-C35	919	10.0	"	1000		91.9	75-125			
Surrogate: 1-Chlorooctane	52.7		mg/kg	50.0		105	70-130			
Surrogate: 1-Chlorooctadecane	43.6		"	50.0		87.2	70-130			
Calibration Check (EI42113-CCV1)				Prepared	: 09/21/04	Analyzed	1: 09/22/04			
Gasoline Range Organics C6-C12	460		mg/kg	500		92.0	80-120			
Diesel Range Organics >C12-C35	578		н	500		116	80-120			
Total Hydrocarbon C6-C35	1040		*	1000		104	80-120			
Surrogate: 1-Chlorooctane	53.8			50.0		108	70-130			
Surrogate: 1-Chlorooctadecane	60.7		"	50.0		121	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.

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

Page 5 of 8

Project: Dynegy Site #20 Project Number: 0-0100-20 Project Manager: Cindy Crain

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 EI42113 - Solvent Extraction ((GC)	·								
Calibration Check (EI42113-CCV2)				Prepared:	09/22/04	Analyzed	1: 09/23/04			
Gasoline Range Organics C6-C12	447		mg/kg	500		89.4	80-120			
Diesel Range Organics >C12-C35	514			500		103	80-120			
Total Hydrocarbon C6-C35	961		*	1000		96.1	80-120			
Surrogate: 1-Chlorooctane	57.0			50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	57.5		"	50.0		115	70-130			
Matrix Spike (EI42113-MS1)	Sou	rce: 4I2100)2-24	Prepared:	09/21/04	Analyzed	I: 09/22/04			
Gasoline Range Organics C6-C12	568	10.0	mg/kg dry	543	8.89	103	75-125			
Diesel Range Organics >C12-C35	864	10.0	"	543	307	103	75-125			
Total Hydrocarbon C6-C35	1430	10.0	**	1090	307	103	75-125			
Surrogate: 1-Chlorooctane	58.7		mg/kg	50.0		117	70-130			
Surrogate: 1-Chlorooctadecane	62.6		"	50.0		125	70-130			
Matrix Spike (EI42113-MS2)	Sou	rce: 4I2200	01-08	Prepared:	09/22/04	Analyzed	1: 09/23/04			
Gasoline Range Organics C6-C12	506	10.0	mg/kg dry	568	ND	89.1	75-125			
Diesel Range Organics >C12-C35	612	10.0	11	568	ND	108	75-125			
Total Hydrocarbon C6-C35	1120	10.0	**	1140	ND	98.2	75-125			
Surrogate: 1-Chlorooctane	56.9		mg/kg	50.0		114	70-130			
Surrogate: 1-Chlorooctadecane	47.8		"	50.0		95.6	70-130			
Matrix Spike Dup (EI42113-MSD1)	Sou	rce: 41210(02-24	Prepared:	09/21/04	Analyzed	1: 09/22/04			
Gasoline Range Organics C6-C12	550	10.0	mg/kg dry	543	8.89	99.7	75-125	3.22	20	
Diesel Range Organics >C12-C35	839	10.0	н	543	307	98.0	75-125	2.94	20	
Total Hydrocarbon C6-C35	1390	10.0	11	1090	307	99.4	75-125	2.84	20	
Surrogate: 1-Chlorooctane	61.9		mg/kg	50.0	· ·	124	70-130			
Surrogate: 1-Chlorooctadecane	62.9		"	50.0		126	70-130			
Matrix Spike Dup (EI42113-MSD2)	Sou	rce: 412200	01-08	Prepared:	09/22/04	Analyzed	1: 09/23/04			
Gasoline Range Organics C6-C12	517	10.0	mg/kg dry	568	ND	91.0	75-125	2.15	20	
Diesel Range Organics >C12-C35	641	10.0	H	568	ND	113	75-125	4.63	20	
Total Hydrocarbon C6-C35	1160	10.0	H	1140	ND	102	75-125	3.51	20	
Surrogate: 1-Chlorooctane	59.4		mg/kg	50.0		119	70-130			
Surrogate: 1-Chlorooctadecane	49.7		"	50.0		99.4	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.

Page 6 of 8

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

General Chemistry Parameters by EPA / Standard Methods - Quality Control **Environmental Lab of Texas** Reporting Spike Source %REC RPD Analyte Result Limit Units Level Result %REC Limits RPD Limit Notes Batch EI42301 - % Solids Blank (EI42301-BLK1) Prepared & Analyzed: 09/22/04 % Solids 100 % Duplicate (EI42301-DUP1) Prepared & Analyzed: 09/22/04 Source: 4I21003-01 % Solids 97.0 % 98.0 1.03 20 **Batch EI42309 - Water Extraction** Blank (EI42309-BLK1) Prepared: 09/22/04 Analyzed: 09/23/04 Chloride ND 20.0 mg/kg Wet Matrix Spike (EI42309-MS1) Source: 4I21003-01 Prepared: 09/22/04 Analyzed: 09/23/04 Chloride 510 20.0 mg/kg Wet 500 102 80-120 0.00 Matrix Spike Dup (EI42309-MSD1) Source: 4I21003-01 Prepared: 09/22/04 Analyzed: 09/23/04 Chloride 500 20.0 mg/kg Wet 500 0.00 100 80-120 1.98 20 Reference (EI42309-SRM1) Prepared & Analyzed: 09/23/04 Chloride 4940 mg/kg 5000 98.8 80-120

Environmental Lab of Texas

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

Page 7 of 8

Larson & Associates, Inc. P.O. Box 50685		Project:	Project: Dynegy Site #20				
		Project Number:	Project Number: 0-0100-20				
Midland	d TX, 79710	Project Manager:	Cindy Crain	09/23/04 16:49			
		Notes and De	efinitions				
S-04	The surrogate recovery for thi	is sample is outside of established	control limits due to a sample matri	ix effect.			
DET	Analyte DETECTED						
ND	Analyte NOT DETECTED at or	above the reporting limit					
NR	Not Reported						
dry	Sample results reported on a dry	v weight basis					
RPD	Relative Percent Difference						

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

and the second se

and the second

Raland K Juil Report Approved By: Date: 9-24-04

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.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

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.

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

Page 8 of 8

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

Client:	Larson + Associates
---------	---------------------

Date/Time: 09-21-04 0-1525

JMM

Order #: 47 21006

:

Initials:

Sample Receipt Checklist

K Yes	No	05 0	٦
Ves	No		-1
Yes	No	(Not present >	-
Yes	No	Not present	-
Tes	No		7
Tes	No		7
(Tes)	No		7
Yes	No	No Labels - writte	Jonlid
Yes	No	NoLabels - write	nonlid
Yes	No		7
(Yes)	No		7
Tes	No		7
Tes	No		7
(es)	No		7
Yes	No		7
(Yes)	No		
(es)	No]
Yes)	No	Not Applicable	
	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	YesNo	YesNoO,SCYesNoNot presentYesNoNot presentYesNoNot presentYesNoNoYesNoNoYesNoNoYesNoNoYesNoNoYesNoNoYesNoNoYesNoNoYesNoYesYesNoYesYesNoYesYesNoYesYesNoYesYes

Other observations:

والمتعادية المتعادية

Contact Person: Regarding:	Variance Documentation: _ Date/Time:	_ Contacted by:
Corrective Action Taken:		
• 		

A sum of the second

APPENDIX C

Photographs

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

DYNEGY MIDSTREAM SERVICES, L.P. SITE #20, NE/4, NW/4, SEC. 14, T22S, R37E, LEA CO., NM PHOTOGRAPHS



1. View to southeast. Note lease road immediately to south. (5/10/04)



 2.
 View to southwest. Note road immediately to south. (9/10/04)

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

District I 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u> 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

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

Release Notification and Corrective Action									
	OPERA	ſOR	🔲 Initi	al Report 🛛 Final Report					
Name of Company Dyneay Midstream Services, L.P.	Contact	Dave	Harris	<u> </u>					
Address PO Box 1909 Eunice, NM 88231	Telephone N	lo. (505	5) 631-706						
Facility Name Eunice Plant Gathering System	Facility Typ	e Gas Plant	Low Pressure	Gathering Lines					
Surface Owner Mineral Owner			Lease	No.					
LOCATIO	N OF REI	LEASE							
Unit Letter Section Township Range Feet from the Nort	h/South Line	Feet from the	East/West Line	County					
C 14 225 37E				Lea					
NATIDI									
Type of Release NAtural Gas Condensate	Volume of	Release ? unkr	Volume	Recovered None					
Source of Release Drip	Date and H	lour of Occurrenc	e Date and	Hour of Discovery					
Was Immediate Notice Given?	If YES, To	Whom? Histo	rical leak-	date 4 volume					
By Whom?	Date and H	lour		Unknown.					
Was a Watercourse Reached?	If YES, Vo	olume Impacting t	he Watercourse.						
Yes X No									
in a watercourse was impacted, Describe Funy.									
Describe Cause of Problem and Remedial Action Taken.*									
Leak at drip value. Historical le	ak.								
Describe Area Affected and Cleanup Action Taken.* Some staining along pipeline at vo Soil excavated and removed to NN	Ive. D IOCD la	nip remov proved ndtarm.	ed, pipel	ine replaced.					
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 laws and/or regulations									
\square		OIL CON	SERVATION	N DIVISION					
Signature: al Wrancham by id rai	5								
Printed Name: Cal Wrangham	Approved by	District Supervis	sor:						
Title: ES& H Advisor	Approval Da	te:	Expiration	n Date:					
E-mail Address: Cal. Wrangham @ Dynegy. Com	Conditions o	f Approval:		Attached					
Date: 12/10/04 Phone: (432) 688.054	2								

* Attach Additional Sheets If Necessary

Form C-141 Revised June 10, 2003