1R - 0262

REPORTS

DATE:

2005

Whole Earth Environmental, Inc.
2103 Arbor Cove
Katy, Tx. 77494
281.394.2050
whearth@msn.com

November 7, 2005

Santos USA Corporation
10111 Richmond
Suite 500
Houston, TX 77042

Attn: Tony Jones

Dear Tony:
Enclosed, please find an overview of the status of the remaining environmental defects within the Tipperary Bagley Field along with a brief summary of the remediation activities undertaken by Tipperary over the past ten years.

Thank you again for the opportunity of working with you on this especially challenging project.

Warmest personal regards,

Mike Griffin
President
Whole Earth Environmental, Inc.

Executive Summary

Location
The Bagley Field is located approximately twenty miles west of Tatum, Lea County, New Mexico on State lands. The surrounding terrain is essentially featureless with no surface streams or significant topographical variation present. The area is described as semi-arid with a net pan evaporation / precipitation value of –78" per year.

Land Use
The land surface is primarily used for the grazing of cattle; however extensive oil and gas operations have been present since the 1960's.

Site History
Tipperary Corporation's activities within the area consisted of a commercial brine collection and disposal system (Burro Pipeline) and a series of at least thirty-six oil wells. The production wells were sold to Phoenix Hydrocarbons in 2002 with Tipperary retaining the environmental liability relating to ten production pits. Two of the pits have been closed in accordance with NMOCD rules and eight sites remain under active remediation. In October 2005, Santos USA Corporation purchased the former Tipperary Burro Saltwater Disposal System along with certain environmental liabilities associated with the ten former production pits, the Lane Salt Lake Facility and a previously closed production station: Satellite 4.

Remediation Activities
Of the eight remaining pit sites, four are under active remediation. Three sites are equipped with windmills and one is equipped with an electric submersible pump. In each case, the contaminated groundwater is pumped from the aquifer directly into the Burro Disposal System. All sites under active remediation have seen dramatic declines in criteria contaminants and each have predictable times to final closure.

Of the four remaining sites, Burro Pipeline proposes to conduct further investigations to include the installation of several temporary monitor wells to better define plume sources, geometry, and the most efficient active remediation plan. Details of the proposed investigations are included with the individual well sections of this report.

Burro anticipates completing the budgeting process for these investigations by January 31st, 2006 and will submit a detailed investigation plan to the NMOCD by February 15th, 2006.

Burro Pipeline
Bagley Field Pit Remediation Project
Monitor Well Testing Summary

Well Name	Benzene	Chlorides
Iva		
Source Well	**0.533**	**1330**
MW-1	0.000	92
MW-2	0.000	52

Mable		
Source Well	?	?
MW-1	**1.080**	45.1
MW-2	0.000	135
MW-3	0.000	187

Bell State		
MW-1	**0.025**	**312**
MW-2	**0.012**	**485**
MW-3	**0.056**	169
MW-4	0.000	797
MW-5	0.000	214
MW-6	**0.664**	191

NBF		
MW-1	0.007	94
MW-2	**0.074**	76
MW-3	**0.485**	99
MW-4	**0.014**	49
MW-5	0.006	55
MW-6	**0.010**	50

Sohio 1		
MW-1	**1.250**	**2310**
MW-2	**0.704**	**1520**
MW-3	**3.230**	**2970**
MW-4	0.001	39.1
MW-5	0.001	**928**
MW-6	0.001	185
MW-7	0.001	45
MW-8	0.001	**912**

Well Name	Benzene	Chlorides
Sohio A		
MW-1	0.000	**287**
MW-2	0.004	**3420**
MW-3	**0.056**	**5620**
MW-4	0.000	**316**
MW-5	**0.013**	**6739**
MW-6	0.000	**2550**
MW-7	**0.163**	**8680**
MW-8	0.000	**1920**
MW-9	0.000	**4390**
MW-10	0.000	**9640**

G.S. State		
Source Well	**0.413**	**1750**
MW-1	**1.580**	204
MW-2	0.003	35
MW-3	0.000	206
MW-4	0.000	191
MW-5	0.001	**368**

Collier		
Source Well	?	?
MW-1	**0.020**	**2680**
MW-2	0.000	**1800**
MW-3	0.001	**8430**
MW-4	0.000	**845**
MW-5	0.000	36
MW-6	0.000	30

WHOLE EARTH ENVIRONMENTAL, INC.

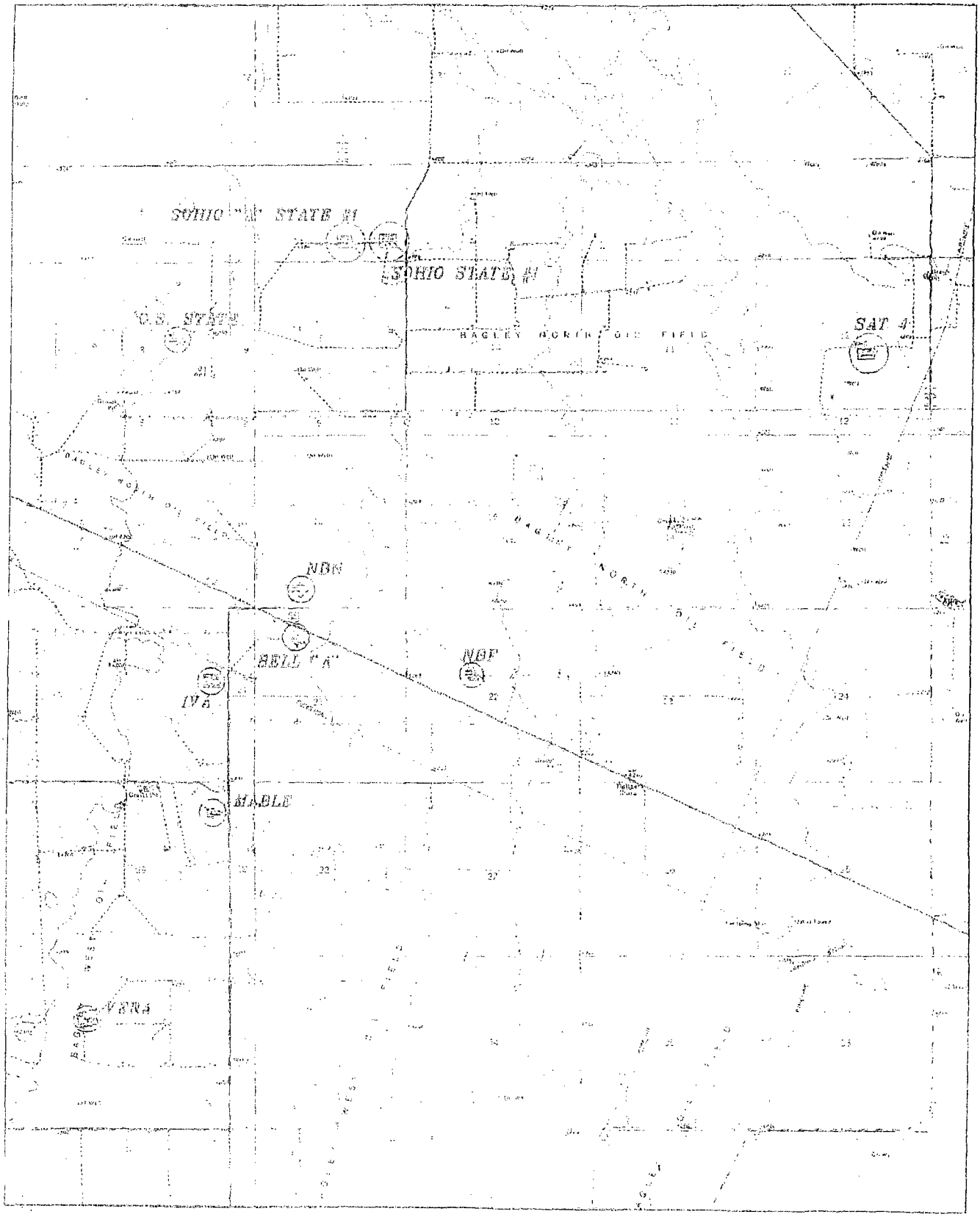
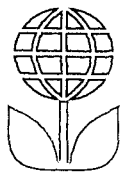


EXHIBIT 9

BASIN SURVEYS P.O. BOX 1786 -HOBBS, NEW MEXICO	W.O. Number: 9352	Drawn By: K. GOAD
	Date: 10-21-99	Disk: KJG #122 - WE0352.DWG

NOT WHOLE EARTH
PER M GRIFFIN → UM-1-1 (LAKE SALT LAKE)

Order No.	Amd #	Applicant	Facility	Notes	mental Permi	Reviewer	County	Contact
260	0	TIPPERARY OIL & GAS CORP	BELL STATE "A"	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
261	0	TIPPERARY OIL & GAS CORP	COLLIER #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050 AP-32
262	0	TIPPERARY OIL & GAS CORP	GULF STATE #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
263	0	TIPPERARY OIL & GAS CORP	IVA COM #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
264	0	TIPPERARY OIL & GAS CORP	MABEL COM #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
265	0	TIPPERARY OIL & GAS CORP	NORTH BAGLEY FIELD PITS	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
266	0	TIPPERARY OIL & GAS CORP	SATELLITE #4	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	C	Von Gonten	Lea	Mike Griffin- 281-394-2050
267	0	TIPPERARY OIL & GAS CORP	SOHIO STATE #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
268	0	TIPPERARY OIL & GAS CORP	SOHIO STATE "A"	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
269	0	TIPPERARY OIL & GAS CORP	STATE NBF #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
270	0	TIPPERARY OIL & GAS CORP	STATE NBN #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	C	Von Gonten	Lea	Mike Griffin- 281-394-2050
271	0	TIPPERARY OIL & GAS CORP	VERA #1	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold asssts to Santos USA Corp. incl Envr Liabilty, WholeEarth aquired Burro Pipleline system previously owned by Tipperary..	C	Von Gonten	Lea	Mike Griffin- 281-394-2050



G.S. State

The site is under active remediation and consists of one wind driven recovery well and five satellite monitor wells. Monitor wells 2-5 show acceptable BTEX concentrations and near acceptable chlorides. The source well and monitor well no. 1 have demonstrated a slow decline in BTEX concentrations over the past five years but at the present rate of treatment, no end is in sight to the remediation process.

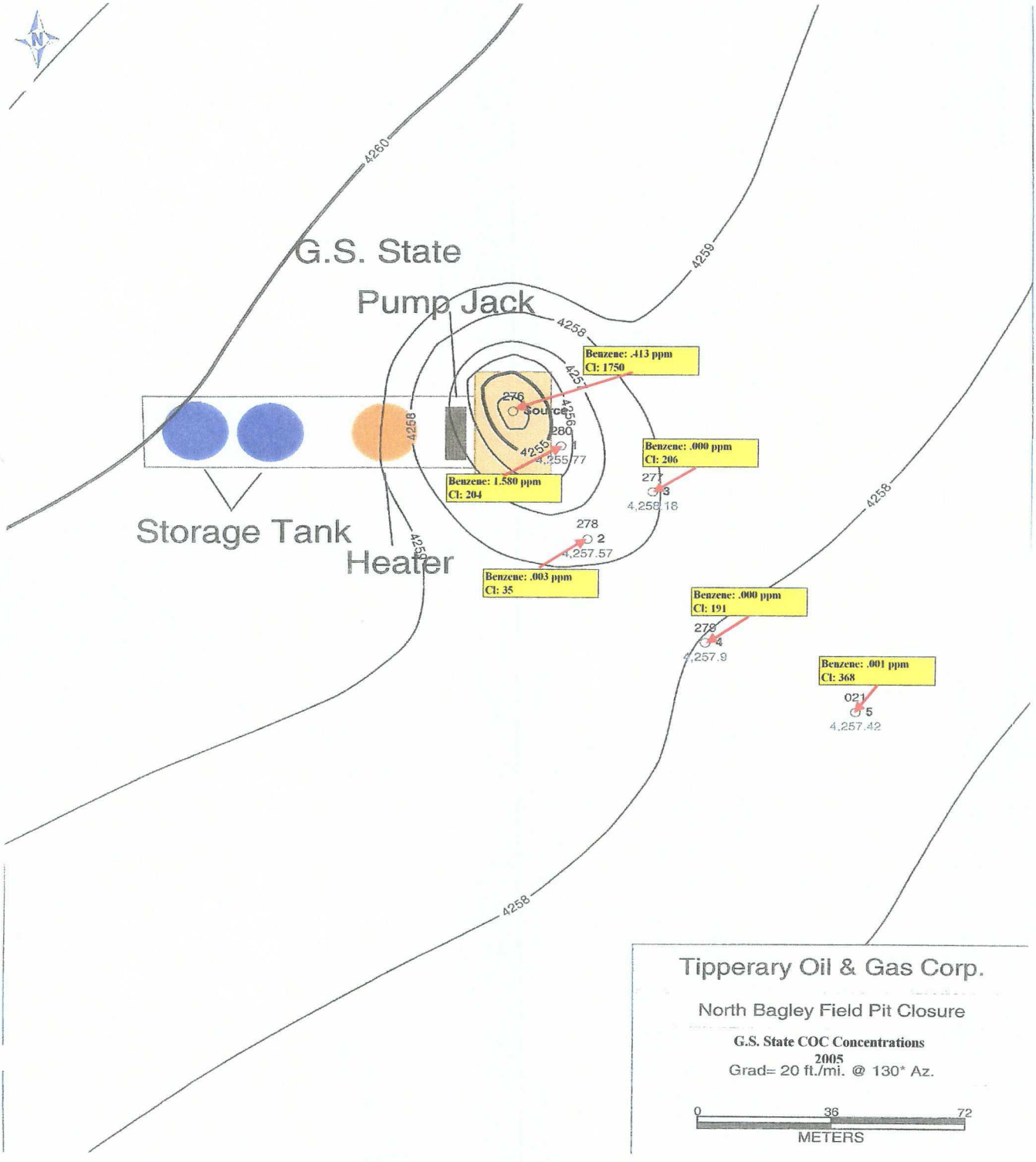
We propose to request the OCD to allow us to discontinue testing wells 2-5 until time of final closure.


10.21.2005 12:53


10.21.2005 12:54


10.21.2005 12:55


10.21.2005 12:54


G.S. State
Pump Jack
Storage Tank
Heater
4260
4259
4258
4257
4256
4255
Benzene: .413 ppm
Cl: 1750
276
source
280
4,255.77
Benzene: 1.580 ppm
Cl: 204
Benzene: .000 ppm
Cl: 206
277
3
4,258.18
278
2
4,257.57
Benzene: .003 ppm
Cl: 35
Benzene: .000 ppm
Cl: 191
279
4
4,257.9
Benzene: .001 ppm
Cl: 368
021
5
4,257.42
Tipperary Oil & Gas Corp.
North Bagley Field Pit Closure
G.S. State COC Concentrations
2005
Grad= 20 ft./mi. @ 130* Az.
0
36
72
METERS

Tipperary Corporation
GS State 1 Source Well
Section 8G T-11S R-33E
Lea County, NM

Year	Estimated Groundwater Recovery (Bbls)	Estimated Product Recovery (Bbls)
1997	80	0.5
1998	500	2.5
1999	500	2.5
2000	500	2.5
2001	500	2.5
2002	500	2.5
2003	500	2.5
2004	500	2.5
2005	500	2.5

All Fluids Pumped into Burro Disposal System

GS

Monitor Well Bailing Log

GS Source

Lat:	N33^0 22.886
Long.	W103^0 37.984
Surf. Elev.	4,307 Ft.

As Drilled		As Measured					
Date:	9/26/1997	Date:	1/23/04	10/21/05			
Top of Water	48.76 Ft.	Top of Water	NA	NA	NA	NA	Ft.
Bottom of Bore	64 Ft.	Bottom of Bore	NA	NA	NA	NA	Ft.
		LPNL Top	NA	NA	NA	NA	Ft.
		LPNL Bottom	NA	NA	NA	NA	Ft.
		DPNL Top	NA	NA	NA	NA	Ft.
		DPNL Bottom	NA	NA	NA	NA	Ft.
		Min. Bailing Vol.	NA	NA	NA	NA	Gal.
		Actual Bailing Vol.	NA	NA	NA	NA	Gal.

Comments

GS

Monitor Well Bailing Log

GS MW #1

Lat:	**N33^0 22.883**
Long.	**W103^0 37.979**
Surf. Elev.	**4,307 Ft.**

As Drilled		As Measured					
Date:	**8/29/1997**	**Date:**	**1/23/04**	**10/21/05**			
Top of Water	**Ft.**	**Top of Water**	**47.50**	**44.50**			**Ft.**
Bottom of Bore	**58 Ft.**	**Bottom of Bore**	**52.30**	**52.20**			**Ft.**
		Bore Volumn	**0.77**	**1.24**			**Gal.**
		LPNL Top	**47.50**	**47.50**			**Ft.**
		LPNL Bottom	**50.20**	**50.20**			**Ft.**
		DPNL Top	**NA**	**NA**			**Ft.**
		DPNL Bottom	**NA**	**NA**			**Ft.**
		Min. Bailing Vol.	**2.32**	**3.73**			**Gal.**
		Actual Bailing Vol.	**10.00**	**10.00**			**Gal.**

Comments

1/23 Free Product in bailing tube. **Bail as long as possible.**

GS

Monitor Well Bailing Log

GS MW #2

Lat:	N33^0 22.87242
Long.	W103^0 37.86456
Surf. Elev.	4,303 Ft.

As Drilled			As Measured					
Date:	9/26/1997		Date:	1/23/04	10/21/05			
Top of Water	48	Ft.	Top of Water	45.00	44.70			Ft.
Bottom of Bore	59	Ft.	Bottom of Bore	55.70	55.60			Ft.
			Bore Volumn	1.73	1.76			Gal.
			LPNL Top	NA	47.50			Ft.
			LPNL Bottom	NA	50.20			Ft.
			DPNL Top	NA	NA			Ft.
			DPNL Bottom	NA	NA			Ft.
			Min. Bailing Vol.	5.18	5.27			Gal.
			Actual Bailing Vol.	15.00	15.00			Gal.

Comments

GS

Monitor Well Bailing Log

GS MW #3

Lat:	N33^0 22.87242
Long.	W103^0 37.96106
Surf. Elev.	4,303 Ft.

As Drilled			As Measured					
Date:	8/29/1997		Date:	1/23/04	10/21/05			
Top of Water	47.5	Ft.	Top of Water	45.00	44.90			Ft.
Bottom of Bore	59	Ft.	Bottom of Bore	58.00	57.90			Ft.
			Bore Volumn	2.10	2.10			Gal.
			LPNL Top	NA	47.50			Ft.
			LPNL Bottom	NA	50.20			Ft.
			DPNL Top	NA	NA			Ft.
			DPNL Bottom	NA	NA			Ft.
			Min. Bailing Vol.	6.29	6.29			Gal.
			Actual Bailing Vol.	12.00	15.00			Gal.

Comments

GS

Monitor Well Bailing Log

GS MW #4

Lat:	N33^0 22.84678
Long.	W103^0 37.95211
Surf. Elev.	4,303 Ft.

As Drilled		As Measured					
Date:	3/16/1999	Date:	1/23/04	10/21/05			
Top of Water	49.06 Ft.	Top of Water	45.30	45.20			Ft.
Bottom of Bore	57 Ft.	Bottom of Bore	56.50	56.60			Ft.
		Bore Volumn	1.81	1.84			Gal.
		LPNL Top	NA	47.50			Ft.
		LPNL Bottom	NA	50.20			Ft.
		DPNL Top	NA	NA			Ft.
		DPNL Bottom	NA	NA			Ft.
		Min. Bailing Vol.	5.42	5.52			Gal.
		Actual Bailing Vol.	10.00	15.00			Gal.

Comments

GS

Monitor Well Bailing Log

GS MW #5

Lat:	N33^0 22.83475
Long.	W103^0 37.92597
Surf. Elev.	4,303 Ft.

As Drilled		As Measured					
Date:	6/18/2002	Date:	1/23/04	10/21/05			
Top of Water	44.44 Ft.	Top of Water	45.00	44.90			Ft.
Bottom of Bore	55 Ft.	Bottom of Bore	54.50	54.40			Ft.
		Bore Volumn	1.53	1.53			Gal.
		LPNL Top	NA	47.50			Ft.
		LPNL Bottom	NA	50.20			Ft.
		DPNL Top	NA	NA			Ft.
		DPNL Bottom	NA	NA			Ft.
		Min. Bailing Vol.	4.60	4.60			Gal.
		Actual Bailing Vol.	10.00	15.00			Gal.

Comments

Source Well
G.S. State # 1

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
22782	01/08/00	0.804	0.348	0.139	0.925	0.464	1.389	2.680
25146	04/14/00	0.763	0.184	0.068	0.434	0.189	0.623	1.638
28461	07/20/00	0.481	0.153	0.083	0.378	0.188	0.566	1.283
31496	09/26/00	0.415	0.136	0.070	0.391	0.185	0.576	1.197
36160	01/05/01	0.805	0.292	0.136	0.692	0.414	1.106	2.339
38941	04/05/01	0.417	0.148	0.091	0.582	0.254	0.836	1.492
0101098-25	07/07/01	0.318	0.180	0.133	0.722	0.368	1.090	1.721
0101642-24	09/26/01	0.406	0.038	0.014	0.083	0.040	0.123	0.581
0202619-25	02/15/02	0.422	0.229	0.155	0.892	0.402	1.294	2.100
0203001-25	03/30/02	0.386	0.138	0.230	0.942	0.433	1.375	2.129
0203602-26	06/15/02	0.262	0.082	0.116	0.576	0.253	0.829	1.289
0204815-29	10/29/02	0.621	0.331	0.441	1.750	0.852	2.602	3.995
0205349-29	01/04/03	6.360	2.260	0.126	0.537	0.335	0.872	9.618
0306249-30	04/17/03	0.403	0.152	0.068	0.411	0.195	0.606	1.229
0306756-01	06/22/03	0.487	0.206	0.172	0.734	0.346	1.080	1.945
0307790-14	10/30/03	0.227	0.134	0.098	0.636	0.290	0.926	1.385
4A26009-01	01/23/04	0.190	0.143	0.070	0.621	0.288	0.909	1.312
5J24005-06	10/21/05	0.413	0.306	0.120	1.110	0.413	1.523	2.362

MW #1
G.S. State # 1

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
12478	09/06/97	0.092	0.010	0.015	0.082	0.002	0.084	0.285
20625	10/06/99	0.008	0.007	0.006	0.024	0.007	0.031	0.052
22764	01/08/00	1.030	0.336	1.240	8.030	2.090	10.120	12.726
25147	04/14/00	0.871	0.162	0.246	0.932	0.261	1.193	2.472
28462	07/20/00	1.090	0.025	1.370	10.500	2.280	12.780	15.265
31518	09/26/00	0.820	0.066	0.354	1.480	0.365	1.845	3.085
36169	01/05/01	1.070	1.710	0.945	5.660	1.580	7.240	10.965
38942	04/05/01	0.394	0.022	0.180	0.767	0.200	0.967	1.563
0101098-26	07/07/01	0.350	0.026	0.010	0.483	0.150	0.633	1.019
0101642-26	09/26/01	0.553	0.078	0.267	1.120	0.309	1.429	2.327
0202619-26	02/15/02	1.200	0.612	0.968	4.620	1.090	5.710	8.490
0203001-26	04/10/02	0.031	0.072	0.051	0.234	0.071	0.305	0.459
0203602-27	06/16/02	1.660	3.020	2.690	16.800	3.160	19.960	27.330
0204815-30	10/30/02	3.650	4.160	2.790	23.900	3.680	27.580	38.180
0205349-30	01/04/03	3.950	5.780	6.930	43.700	5.689	49.380	66.040
0306249-31	04/17/03	0.819	0.668	0.847	4.760	0.903	5.663	7.997
0306733-35	06/20/03	1.030	0.431	0.771	3.890	0.554	4.444	6.676
0307790-15	10/30/03	66.900	37.400	43.000	127.000	24.900	151.900	299.200
4A26009-02	01/23/04	3.190	6.440	15.200	89.000	24.700	113.700	138.530
4J04009-06	10/01/04	0.190	0.143	0.070	0.621	0.288	0.909	1.312
5J24005-01	10/21/05	1.580	1.450	1.410	10.000	2.240	12.240	16.680

Monitor Well # 2
G.S. State # 1
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
12722	10/02/97	0.138	0.005	0.001	0.002	0.002	0.004	0.152
13134	12/03/97	0.015	0.005	0.010	0.142	0.028	0.170	0.200
14056	03/23/98	0.050	0.017	0.016	0.086	0.026	0.112	0.195
14676	06/25/98	0.183	0.012	0.062	0.077	0.010	0.087	0.344
15611	10/01/98	0.049	0.011	0.026	0.040	0.018	0.058	0.144
16592	01/06/99	0.039	0.010	0.020	0.048	0.017	0.065	0.134
18611	07/14/99	0.109	0.017	0.085	0.144	0.041	0.185	0.396
20623	10/06/99	0.070	0.015	0.047	0.032	0.020	0.052	0.184
22783	01/08/00	0.204	0.058	0.108	0.294	0.083	0.377	0.747
25149	04/14/00	0.413	0.057	0.017	0.082	0.048	0.130	0.617
28451	07/20/00	0.275	0.122	0.088	0.292	0.103	0.395	0.880
31498	09/26/00	0.171	0.022	0.062	0.051	0.099	0.150	0.405
36158	01/05/01	0.140	0.036	0.057	0.092	0.085	0.177	0.410
38944	04/05/01	0.085	0.038	0.060	0.076	0.099	0.175	0.358
0101098-28	07/07/01	0.062	0.020	0.046	0.047	0.069	0.116	0.244
0101642-28	09/26/01	0.041	0.019	0.038	0.032	0.042	0.074	0.172
0202619-28	02/15/02	0.124	0.015	0.140	0.050	0.124	0.174	0.453
0203001-27	04/10/02	0.013	0.060	0.007	0.020	0.011	0.031	0.111
0203602-29	06/17/02	0.007	0.048	0.004	0.011	0.007	0.018	0.077
0204814-07	10/28/02	0.006	0.034	0.008	0.009	0.004	0.013	0.061
0205349-31	01/04/03	0.006	0.004	0.046	0.015	0.006	0.021	0.077
0306249-32	04/17/03	0.002	0.001	0.001	0.003	0.001	0.004	0.008
0306733-36	06/20/03	0.012	0.041	0.038	0.051	0.026	0.077	0.168
0307790-16	10/30/03	0.007	0.013	0.045	0.047	0.013	0.060	0.125
4A26009-03	01/23/04	0.001	0.002	0.009	0.003	0.002	0.005	0.017
4J04009-02	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24555-02	10/21/05	0.003	0.001	0.001	0.001	0.001	0.002	0.007

Monitor Well # 3
G.S. State # 1
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
12721	10/02/97	0.026	0.008	0.005	0.090	0.034	0.124	0.287
13185	12/03/97	0.166	0.013	0.059	0.705	0.01	0.715	0.953
14055	03/23/98	0.233	0.019	0.067	0.221	0.014	0.235	0.554
14675	06/25/98	0.047	0.009	0.018	0.086	0.038	0.124	0.198
15603	10/01/98	0.128	0.005	0.069	0.030	0.006	0.036	0.238
16591	01/06/99	0.133	0.010	0.054	0.056	0.006	0.062	0.259
17445	04/01/99	0.124	0.008	0.042	0.012	0.007	0.019	0.193
18597	07/14/99	0.140	0.010	0.044	0.062	0.016	0.078	0.272
20603	10/06/99	0.116	0.016	0.053	0.027	0.015	0.042	0.227
22785	01/08/00	0.069	0.041	0.091	0.131	0.046	0.177	0.378
25148	04/14/00	0.085	0.009	0.054	0.015	0.006	0.021	0.169
28450	07/20/00	0.084	0.122	0.067	0.236	0.076	0.312	0.585
31497	09/26/00	0.017	0.011	0.014	0.026	0.013	0.039	0.081
36150	01/05/01	0.019	0.010	0.019	0.027	0.013	0.040	0.088
38943	04/05/01	0.014	0.011	0.012	0.021	0.009	0.030	0.067
0101098-27	07/07/01	0.009	0.002	0.007	0.004	0.002	0.006	0.024
0101642-27	09/26/01	0.016	0.009	0.012	0.015	0.006	0.021	0.058
0202619-27	02/15/02	0.007	0.006	0.051	0.042	0.012	0.054	0.118
0203001-27	04/10/02	0.011	0.024	0.012	0.047	0.012	0.059	0.106
0203602-28	06/16/02	0.001	0.001	0.001	0.001	0.001	0.002	0.005
0204814-06	10/28/02	0.003	0.029	0.006	0.007	0.003	0.010	0.048
0205349-32	01/04/03	0.003	0.003	0.036	0.013	0.005	0.018	0.06
0306249-33	04/17/03	0.002	0.002	0.017	0.004	0.001	0.005	0.026
0306733-37	06/20/03	0.032	0.043	0.035	0.055	0.027	0.082	0.192
0307790-17	10/30/03	0.004	0.003	0.002	0.014	0.006	0.020	0.029
4A26009-04	01/23/04	0.003	0.004	0.014	0.006	0.003	0.009	0.030
4J04009-03	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24005-03	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Monitor Well # 4
G.S. State # 1
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
17269	03/17/99	0.012	0.012	0.004	0.021	0.041	0.062	0.090
17447	04/01/99	0.004	0.001	0.001	0.035	0.001	0.036	0.042
18612	07/14/99	0.014	0.007	0.019	0.125	0.062	0.187	0.227
20624	10/06/99	0.022	0.017	0.006	0.035	0.038	0.073	0.118
22771	01/08/00	0.032	0.034	0.024	0.104	0.043	0.147	0.237
25150	04/14/00	0.006	0.008	0.003	0.016	0.018	0.034	0.051
28458	07/20/00	0.045	0.080	0.027	0.121	0.053	0.174	0.326
31499	09/26/00	0.016	0.008	0.006	0.020	0.011	0.031	0.061
36159	01/05/01	0.019	0.010	0.010	0.034	0.014	0.048	0.087
38945	04/05/01	0.009	0.007	0.007	0.022	0.011	0.033	0.056
0101098-29	07/07/01	0.005	0.002	0.004	0.005	0.004	0.009	0.020
0101642-29	09/26/01	0.016	0.007	0.007	0.015	0.007	0.022	0.052
0202619-29	02/15/02	0.004	0.010	0.007	0.027	0.010	0.037	0.058
0203001-29	04/10/02	0.002	0.005	0.008	0.023	0.009	0.032	0.047
0203602-30	06/17/02	0.002	0.002	0.004	0.013	0.005	0.018	0.026
0204814-08	10/28/02	0.007	0.004	0.011	0.010	0.006	0.016	0.038
0205349-33	01/04/03	0.003	0.004	0.003	0.013	0.006	0.019	0.029
0306249-34	04/17/03	0.001	0.001	0.002	0.006	0.003	0.009	0.013
0306733-38	06/20/03	0.022	0.074	0.021	0.076	0.041	0.117	0.234
0307790-18	10/30/03	0.012	0.021	0.005	0.016	0.008	0.024	0.062
4A26009-05	01/23/04	0.003	0.004	0.014	0.006	0.003	0.009	0.03
4J04009-04	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24005-04	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

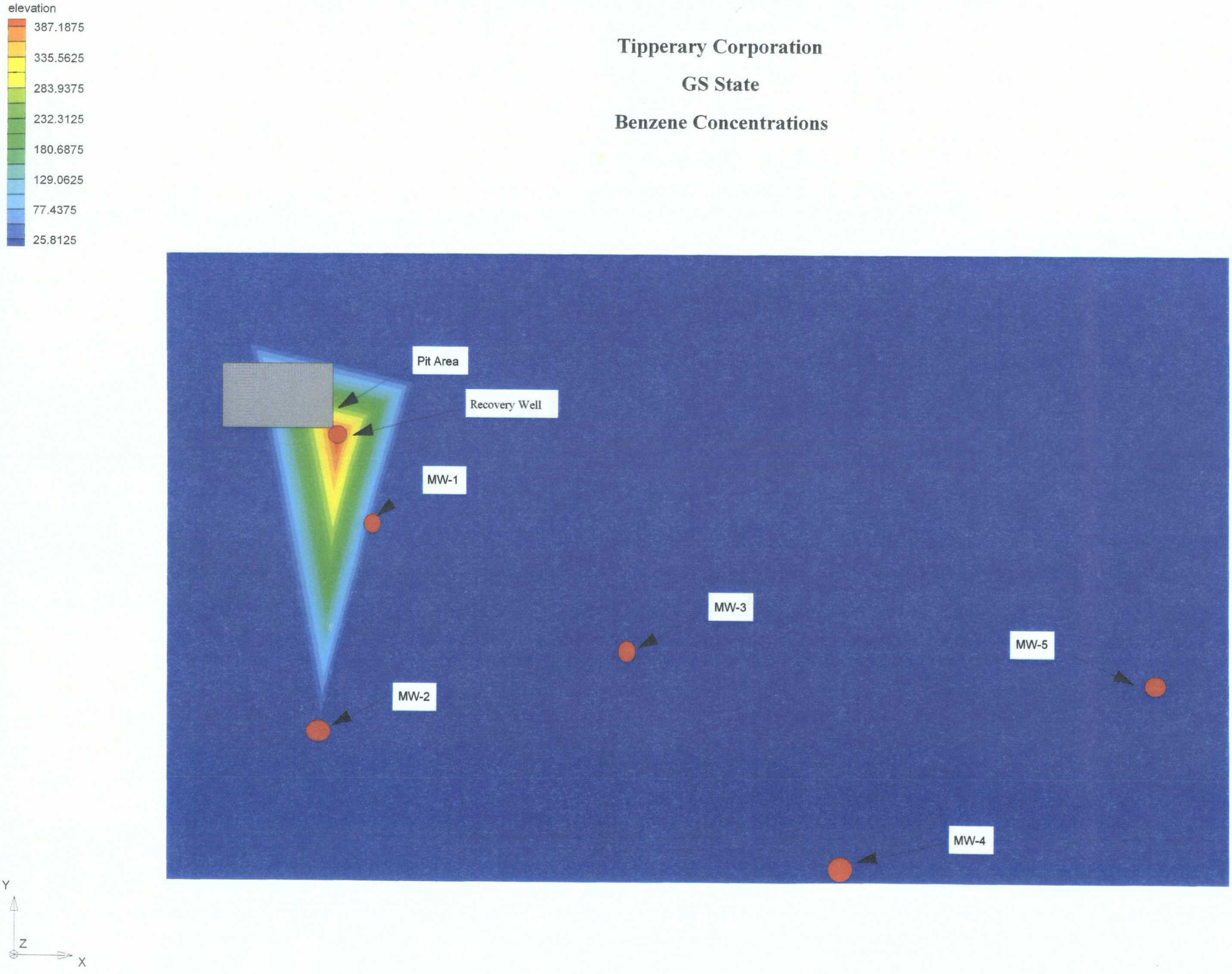
Monitor Well # 5
G.S. State # 1

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0203719-01	06/23/02	0.002	0.001	0.001	0.001	0.001	0.002	0.006
0205349-34	01/04/03	0.006	0.007	0.004	0.018	0.008	0.026	0.043
0306249-35	04/17/03	0.001	0.001	0.001	0.001	0.001	0.002	0.005
0306733-43	06/20/03	0.023	0.068	0.019	0.066	0.035	0.101	0.211
0307790-19	10/30/03	0.006	0.008	0.002	0.007	0.003	0.01	0.026
4A26009-06	01/23/04	0.005	0.009	0.002	0.008	0.005	0.013	0.029
4J04009-05	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24005-05	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Tipperary Corporation

GS State

Benzene Concentrations



ENVIRONMENTAL LAB OF
12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Mike Griffin
WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy, TX 77494

Project: GS State
Project Number: None Given
Location: Lea County, New Mexico

Lab Order Number: 5J24005

Report Date: 11/03/05

WHOLE EARTH ENVIRONMENTAL	Project: GS State	Fax: (281) 394-2051
2103 Arbor Cove	Project Number: None Given	**Reported:**
Katy TX, 77494	Project Manager: Mike Griffin	11/03/05 09:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GS State MW #1	5J24005-01	Water	10/21/05 13:10	10/23/05 15:40
GS State MW #2	5J24005-02	Water	10/21/05 00:00	10/23/05 15:40
GS State MW #3	5J24005-03	Water	10/21/05 12:50	10/23/05 15:40
GS State MW #4	5J24005-04	Water	10/21/05 12:25	10/23/05 15:40
GS State MW #5	5J24005-05	Water	10/21/05 12:40	10/23/05 15:40
GS State MW Source	5J24005-06	Water	10/21/05 13:15	10/23/05 15:40

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

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS State MW #1 (5J24005-01) Water									
Benzene	**1.58**	1.00	mg/L	1000	EJ52623	10/26/05	10/27/05	EPA 8021B	
Toluene	**1.45**	1.00	"	"	"	"	"	"	
Ethylbenzene	**1.41**	1.00	"	"	"	"	"	"	
Xylene (p/m)	**10.0**	1.00	"	"	"	"	"	"	
Xylene (o)	**2.24**	1.00	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*96.5 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.2 %*	*80-120*		"	"	"	"	
GS State MW #2 (5J24005-02) Water									
Benzene	**0.00322**	0.00100	mg/L	1	EJ52623	10/26/05	10/27/05	EPA 8021B	
Toluene	**J [0.000412]**	0.00100	"	"	"	"	"	"	
Ethylbenzene	**J [0.000308]**	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**0.00245**	0.00100	"	"	"	"	"	"	
Xylene (o)	**J [0.000399]**	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*85.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*92.5 %*	*80-120*		"	"	"	"	
GS State MW #3 (5J24005-03) Water									
Benzene	**ND**	0.00100	mg/L	1	EJ52805	10/28/05	10/31/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	**ND**	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*84.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*87.2 %*	*80-120*		"	"	"	"	
GS State MW #4 (5J24005-04) Water									
Benzene	**J [0.000652]**	0.00100	mg/L	1	EJ52805	10/28/05	10/31/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*80.8 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.0 %*	*80-120*		"	"	"	"	

Organics by GC

Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS State MW #5 (5J24005-05) Water									
Benzene	**0.00121**	0.00100	mg/L	1	EJ52805	10/28/05	10/31/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*86.2 %*	*80-120*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*80-120*		"	"	"	"	
GS State MW Source (5J24005-06) Water									
Benzene	**0.413**	0.0100	mg/L	10	EJ52805	10/28/05	10/31/05	EPA 8021B	
Toluene	**0.306**	0.0100	"	"	"	"	"	"	
Ethylbenzene	**0.120**	0.0100	"	"	"	"	"	"	
Xylene (p/m)	**1.11**	0.0100	"	"	"	"	"	"	
Xylene (o)	**0.413**	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*136 %*	*80-120*		"	"	"	"	*S-04*
Surrogate: 4-Bromofluorobenzene		*178 %*	*80-120*		"	"	"	"	*S-04*

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
GS State MW #1 (5J24005-01) Water									
Chloride	**204**	5.00	mg/L	10	EJ52605	10/25/05	10/26/05	EPA 300.0	
GS State MW #2 (5J24005-02) Water									
Chloride	**34.6**	5.00	mg/L	10	EJ52605	10/25/05	10/26/05	EPA 300.0	
GS State MW #3 (5J24005-03) Water									
Chloride	**206**	5.00	mg/L	10	EJ52605	10/25/05	10/26/05	EPA 300.0	
GS State MW #4 (5J24005-04) Water									
Chloride	**191**	5.00	mg/L	10	EJ52605	10/25/05	10/26/05	EPA 300.0	
GS State MW #5 (5J24005-05) Water									
Chloride	**368**	5.00	mg/L	10	EJ52605	10/25/05	10/26/05	EPA 300.0	
GS State MW Source (5J24005-06) Water									
Chloride	**1750**	25.0	mg/L	50	EJ52605	10/25/05	10/26/05	EPA 300.0	

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 EJ52623 - EPA 5030C (GC)										
Blank (EJ52623-BLK1)				Prepared & Analyzed: 10/26/05						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*32.2*		*ug/l*	*40.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.4*		*"*	*40.0*		*81.0*	*80-120*			
LCS (EJ52623-BS1)				Prepared & Analyzed: 10/26/05						
Benzene	0.0534	0.00100	mg/L	0.0500		107	80-120			
Toluene	0.0523	0.00100	"	0.0500		105	80-120			
Ethylbenzene	0.0574	0.00100	"	0.0500		115	80-120			
Xylene (p/m)	0.109	0.00100	"	0.100		109	80-120			
Xylene (o)	0.0599	0.00100	"	0.0500		120	80-120			
Surrogate: a,a,a-Trifluorotoluene	*36.7*		*ug/l*	*40.0*		*91.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*40.1*		*"*	*40.0*		*100*	*80-120*			
Calibration Check (EJ52623-CCV1)				Prepared: 10/26/05 Analyzed: 10/27/05						
Benzene	47.4		ug/l	50.0		94.8	80-120			
Toluene	48.4		"	50.0		96.8	80-120			
Ethylbenzene	47.3		"	50.0		94.6	80-120			
Xylene (p/m)	88.4		"	100		88.4	80-120			
Xylene (o)	48.3		"	50.0		96.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.1*		*"*	*40.0*		*80.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.0*		*"*	*40.0*		*90.0*	*80-120*			
Matrix Spike (EJ52623-MS1)	**Source: 5J24001-01**			Prepared: 10/26/05 Analyzed: 10/27/05						
Benzene	0.0510	0.00100	mg/L	0.0500	0.000565	101	80-120			
Toluene	0.0520	0.00100	"	0.0500	ND	104	80-120			
Ethylbenzene	0.0508	0.00100	"	0.0500	ND	102	80-120			
Xylene (p/m)	0.0919	0.00100	"	0.100	ND	91.9	80-120			
Xylene (o)	0.0491	0.00100	"	0.0500	ND	98.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.3*		*ug/l*	*40.0*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.4*		*"*	*40.0*		*91.0*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52623 - EPA 5030C (GC)										
Matrix Spike Dup (EJ52623-MSD1)	**Source: 5J24001-01**			Prepared: 10/26/05 Analyzed: 10/27/05						
Benzene	0.0548	0.00100	mg/L	0.0500	0.000565	108	80-120	6.70	20	
Toluene	0.0561	0.00100	"	0.0500	ND	112	80-120	7.41	20	
Ethylbenzene	0.0557	0.00100	"	0.0500	ND	111	80-120	8.45	20	
Xylene (p/m)	0.102	0.00100	"	0.100	ND	102	80-120	10.4	20	
Xylene (o)	0.0560	0.00100	"	0.0500	ND	112	80-120	13.1	20	
Surrogate: a,a,a-Trifluorotoluene	*34.9*		*ug/l*	*40.0*		*87.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*36.4*		*"*	*40.0*		*91.0*	*80-120*			
Batch EJ52805 - EPA 5030C (GC)										
Blank (EJ52805-BLK1)				Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	*32.3*		*ug/l*	*40.0*		*80.8*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.6*		*"*	*40.0*		*84.0*	*80-120*			
LCS (EJ52805-BS1)				Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	0.0494	0.00100	mg/L	0.0500		98.8	80-120			
Toluene	0.0521	0.00100	"	0.0500		104	80-120			
Ethylbenzene	0.0516	0.00100	"	0.0500		103	80-120			
Xylene (p/m)	0.0972	0.00100	"	0.100		97.2	80-120			
Xylene (o)	0.0521	0.00100	"	0.0500		104	80-120			
Surrogate: a,a,a-Trifluorotoluene	*35.3*		*ug/l*	*40.0*		*88.2*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*41.1*		*"*	*40.0*		*103*	*80-120*			

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52805 - EPA 5030C (GC)										
Calibration Check (EJ52805-CCV1)				Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	47.1		ug/l	50.0		94.2	80-120			
Toluene	48.5		"	50.0		97.0	80-120			
Ethylbenzene	45.9		"	50.0		91.8	80-120			
Xylene (p/m)	87.0		"	100		87.0	80-120			
Xylene (o)	46.8		"	50.0		93.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	*32.2*		*"*	*40.0*		*80.5*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*32.4*		*"*	*40.0*		*81.0*	*80-120*			
Matrix Spike (EJ52805-MS1)		**Source: 5J24005-04**		Prepared: 10/28/05 Analyzed: 10/31/05						
Benzene	0.0479	0.00100	mg/L	0.0500	0.000652	94.5	80-120			
Toluene	0.0498	0.00100	"	0.0500	ND	99.6	80-120			
Ethylbenzene	0.0482	0.00100	"	0.0500	ND	96.4	80-120			
Xylene (p/m)	0.0913	0.00100	"	0.100	ND	91.3	80-120			
Xylene (o)	0.0487	0.00100	"	0.0500	ND	97.4	80-120			
Surrogate: a,a,a-Trifluorotoluene	*34.4*		*ug/l*	*40.0*		*86.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*33.2*		*"*	*40.0*		*83.0*	*80-120*			
Matrix Spike Dup (EJ52805-MSD1)		**Source: 5J24005-04**		Prepared: 10/28/05 Analyzed: 10/31/05						
[illegible]ene	0.0479	0.00100	mg/L	0.0500	0.000652	94.5	80-120	0.00	20	
Toluene	0.0507	0.00100	"	0.0500	ND	101	80-120	1.40	20	
Ethylbenzene	0.0498	0.00100	"	0.0500	ND	99.6	80-120	3.27	20	
Xylene (p/m)	0.0938	0.00100	"	0.100	ND	93.8	80-120	2.70	20	
Xylene (o)	0.0504	0.00100	"	0.0500	ND	101	80-120	3.63	20	
Surrogate: a,a,a-Trifluorotoluene	*33.2*		*ug/l*	*40.0*		*83.0*	*80-120*			
Surrogate: 4-Bromofluorobenzene	*34.4*		*"*	*40.0*		*86.0*	*80-120*			

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52605 - General Preparation (WetChem)										
Blank (EJ52605-BLK1)				Prepared: 10/25/05 Analyzed: 10/26/05						
Chloride	ND	0.500	mg/L							
LCS (EJ52605-BS1)				Prepared: 10/25/05 Analyzed: 10/26/05						
Chloride	8.28		mg/L	10.0		82.8	80-120			
Calibration Check (EJ52605-CCV1)				Prepared: 10/25/05 Analyzed: 10/26/05						
Chloride	8.19		mg/L	10.0		81.9	80-120			
Duplicate (EJ52605-DUP1)		**Source: 5J24004-06**		Prepared: 10/25/05 Analyzed: 10/26/05						
Chloride	46.0	5.00	mg/L		50.5			9.33	20	

Notes and Definitions

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

Report Approved By: Raland K Tuttle Date: 11-03-05

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer
Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

Environmental Lab of Texas, Inc.

12600 West I-20 East
Odessa, Texas 79763
Phone: 432-563-1800
Fax: 432-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: M. Griffin
Company Name: Whole Earth Environmental, Inc.
Company Address: 2103 Arbor Cove
City/State/Zip: Katy, Texas 77494
Telephone No: (281) 394-2050
Fax No: (281) 394-2051
Sampler Signature: D. A. Gluck

Project Name: GS State
Project #:
Project Loc: Lea County, New Mexico
PO #:

LAB # (lab use only): 552405

LAB #	Sample Identification	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TDS / CL / SAR / EC	TPH 418.1	TPH TX 1005/1006	TPH 8015M GRO/DRO	Metals: As Ag Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B/5030	Chlorides	S.A.R.	E.C.	RUSH TAT (Pre-Schedule)	Standard TAT
-01	GS State MW # 1	10/21/05	13:10	1	X							X												X				
	GS State MW # 1	10/21/05	13:10	2	X		X					X											X					
-02	GS State MW # 2	10/21/05	?	1	X							X												X				
	GS State MW # 2	10/21/05	?	2	X		X					X											X					
-03	GS State MW # 3	10/21/05	12:50	1	X							X												X				
	GS State MW # 3	10/21/05	12:50	2	X		X					X											X					
-04	GS State MW # 4	10/21/05	12:25	1	X							X												X				
	GS State MW # 4	10/21/05	12:25	2	X		X					X											X					
-05	GS State MW # 5	10/21/05	12:40	1	X							X												X				
	GS State MW # 5	10/21/05	12:40	2	X		X					X											X					
-06	GS State MW Source	10/21/05	13:15	1	X							X												X				
	GS State MW Source	10/21/05	13:15	2	X		X					X											X					

Special Instructions:

Sample Containers Intact? (Y) N
Temperature Upon Receipt: -0.5 °C
Laboratory Comments: not frozen
seal on cooler
40mL glass w/HCl
L HDPE unpreserved } on ice w/labels

Relinquished by:	Date	Time	Received by:	Date	Time
D. A. Gluck	10/23/05	08 35			
Relinquished by: Drop Box	Date	Time	Received by ELOT: Jaime McMurray	Date 10-23-05	Time 1540