

1R - 0268

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

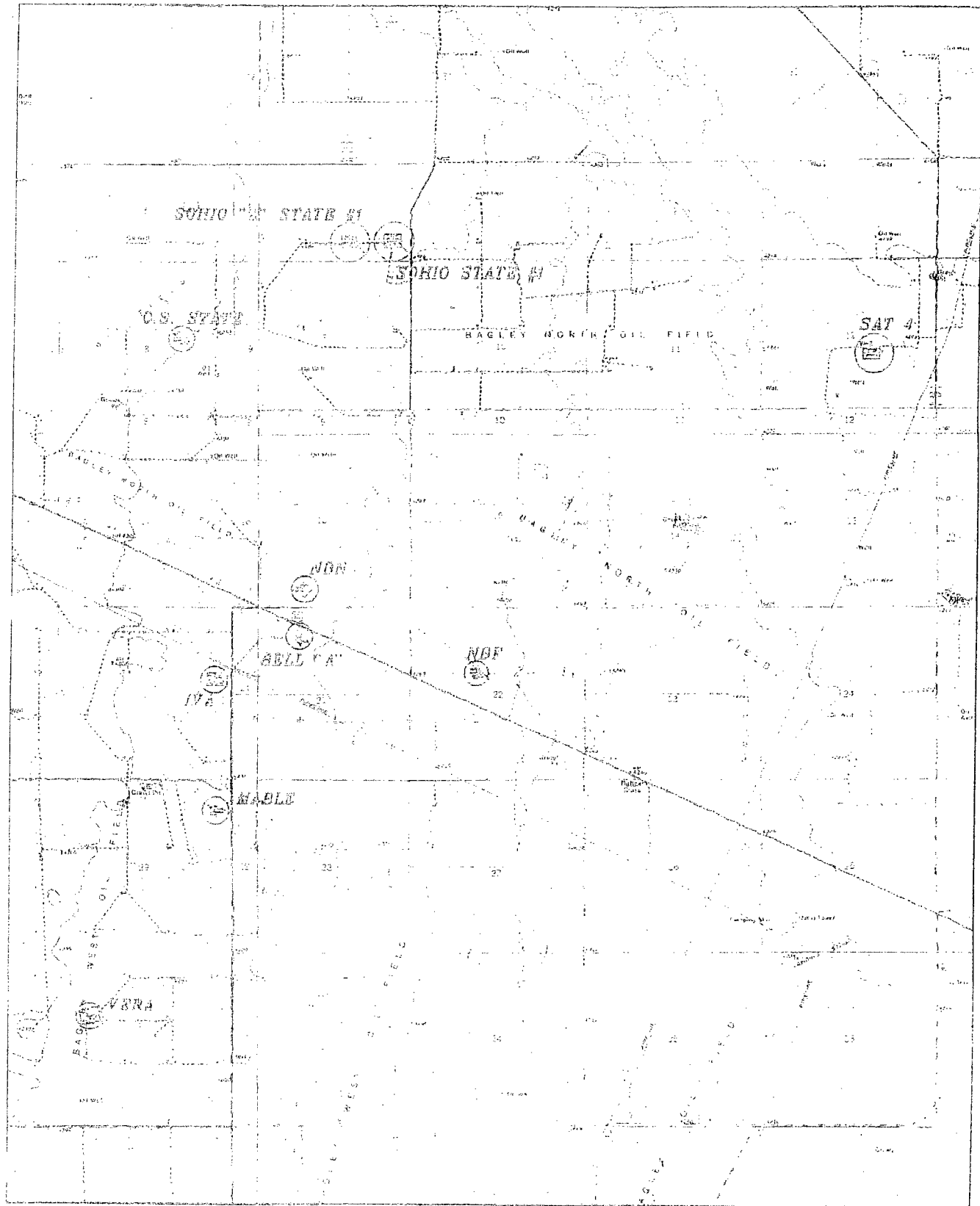
Sohio I		
MW-1	1.250	2310
MW-2	0.704	1520
MW-3	3.230	2970
MW-4	0.001	39.1
MW-5	0.001	928
MW-6	0.001	185
MW-7	0.001	45
MW-8	0.001	912

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.



4000 0 4000 8000

EXHIBIT 9

LASIN SURVEYS P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 9352

Drawn By: K. GOAD

Date: 10-21-99

Disk: KJG #122 - WE9352.DWG

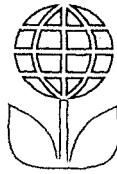
2/25/08

NOT RELEVANT
P.A. M. GRIFFIN

PM-1-1

LAURE SALT (ARTIC)

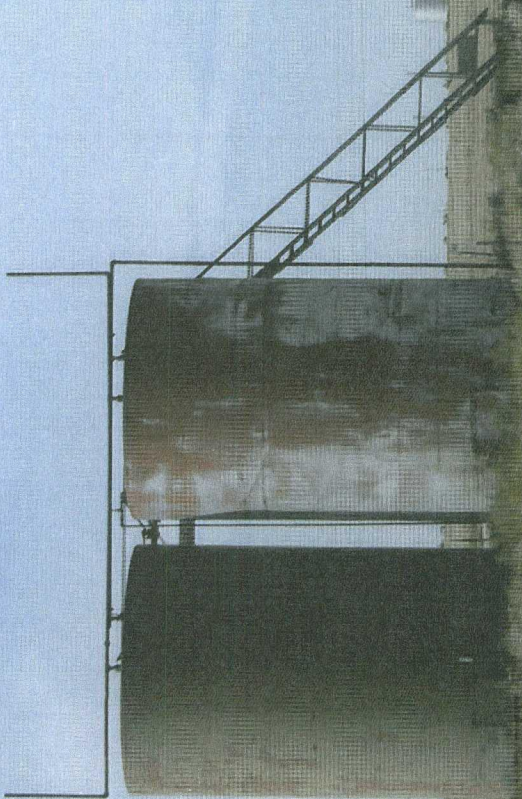
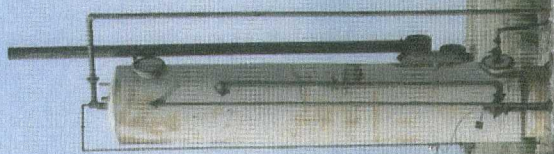
Order No.	Amnd #	Applicant	Facility	Notes	Mental Permi	Reviewer	County	Contact
260	0	TIPPERARY OIL & GAS CORP	BELL STATE "A"	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline system previously 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline system previously owned by Tipperary.	A	Von Gonten	Lea	Mike Griffin- 281-394-2050
265	0	TIPPERARY OIL & GAS CORP	NORTH BAGLEY FIELD PTS	wp-2/25/08-sold to Phoenix-Tipperary retained Envr Liability-Tipperary sold assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline 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 assits to Santos USA Corp. incl Envr Liability, WholeEarth aquired Burro Pipeline system previously owned by Tipperary.	C	Von Gonten	Lea	Mike Griffin- 281-394-2050



Sohio A

The site presently consists of eleven monitor wells with no active recovery in progress. The wells nearest the pit (1 & 2) show acceptable benzene concentrations but elevated chlorides. Monitor well no. 3, located approximately 75' down gradient of the pit shows a slow reduction in benzene but still has extremely high chloride concentrations most likely related to the pit. Monitor well no. 5 benzene concentrations fluctuate above and below acceptance standards but the chloride concentrations are nearly twenty-seven times standards. Monitor well no. 6 has acceptable benzene levels but once again, the chlorides are over ten times standards. Monitor well no. 7 shows benzene concentrations on a slow decline but chlorides almost thirty-five times standards. Monitor wells 8-11 are situated far from the pit and all show acceptable benzene concentrations but chloride concentrations up to thirty-eight times standards. Due to the distance from the pit, the gradient direction and concentrations within the well bores we do not believe that the chlorides within these wells come from a plume centered at the pit but rather from some other source. Based on the reported chloride concentrations, we've yet to define a single edge to the chloride contamination though the wells are spaced out over approximately eight acres.

We recommend that we investigate methods to begin the active remediation of this site. We further recommend that we continue to test all wells until such time as significant improvement is affected.

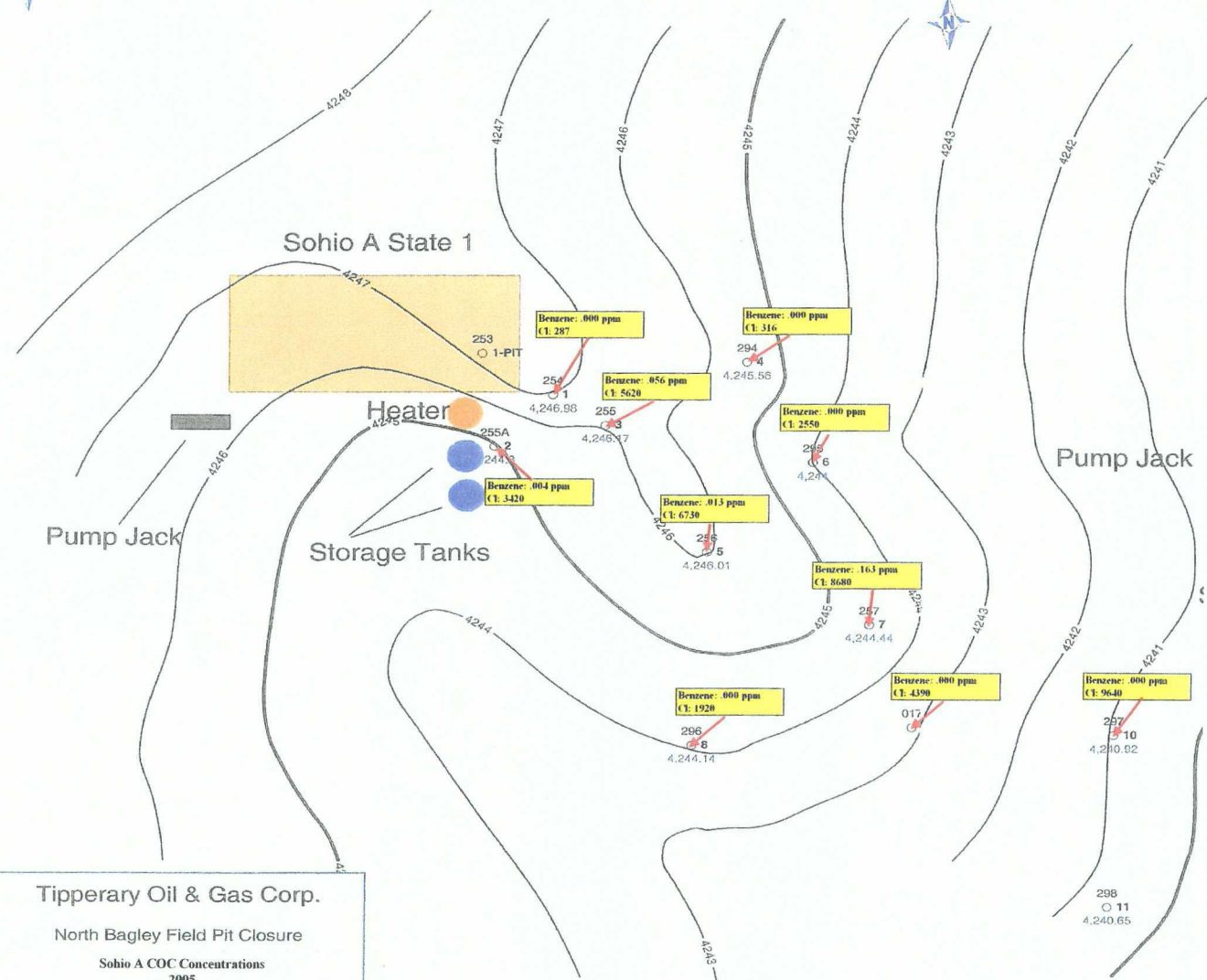


10.21.2005 11:41



10-21-2005 11:39





Tipperary Oil & Gas Corp.

North Bagley Field Pit Closure

Sohio A COC Concentrations

7005
Grad= 20 ft./mi. @ 140° Az.





Sohio A MW #1

North **869981.1253**
East **760134.9018**

Date:		1/23/04	10/21/05		
Top of Water	Ft.	38.90	39.00		Ft.
Bottom of Bore	Ft.	56.30	56.50		Ft.
Bore Volume		2.81	2.82		Gal.
LPNL Top		54.00	54.00		Ft.
LPNL Bottom		58.50	58.50		Ft.
DPNL Top		NA	NA		Ft.
DPNL Bottom		NA	NA		Ft.
Min. Bailing Vol.		8.42	8.47		Gal.
Actual Bailing Vol.		20.00	15.00		Gal.

1/23/2004 Free Product in Bore
10-21-05 Free Product in Bore



Sohio 1

Monitor Well Bailing Log

Sohio A MW #2

Lat: N33° 23.356
Long. W103° 36.990
Surf. Elev. Ft.

As Drilled	As Measured
------------	-------------

Date: 9/29/1997
Top of Water 48.68 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05		
Top of Water	38.80	39.70		Ft.
Bottom of Bore	55.70	55.60		Ft.
Bore Volume	2.73	2.56		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	8.18	7.69		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #3

Lat: N33° 23.3649'
Long. W103° 36.9759'
Surf. Elev. 4285.97 Ft.

North 869974.0327
East 760205.3790

As Drilled	As Measured
------------	-------------

Date: 9/29/1997
Top of Water 49.5 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05			
Top of Water	39.10	39.60			Ft.
Bottom of Bore	54.60	54.50			Ft.
Bore Volume	2.50	2.40			Gal.
LPNL Top	NA	NA			Ft.
LPNL Bottom	NA	NA			Ft.
DPNL Top	NA	NA			Ft.
DPNL Bottom	NA	NA			Ft.
Min. Bailing Vol.	7.50	7.21			Gal.
Actual Bailing Vol.	20.00	15.00			Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #4

Lat: N33° 23.380
Long. W103° 36.926
Surf. Elev. 4285 Ft.

As Drilled	As Measured
------------	-------------

Date: 9/29/1997
Top of Water 39 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.50	40.00		Ft.
Bottom of Bore	57.70	57.80		Ft.
Bore Volume	2.94	2.87		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	8.81	8.61		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #5

Lat: N33° 23.351
Long. W103° 36.970
Surf. Elev. Ft.

As Drilled	As Measured
------------	-------------

Date: 3/15/1999
Top of Water 46.25 Ft.
Bottom of Bore 55 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.50	39.60		Ft.
Bottom of Bore	49.70	51.30		Ft.
Bore Volume	1.65	1.89		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	4.94	5.66		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #6

Lat: N33⁰ 23.354
Long. W103⁰ 36.908
Surf. Elev. 4285 Ft.

As Drilled	As Measured
------------	-------------

Date: 6/9/2003
Top of Water 39.62 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05			
Top of Water	40.50	40.70			Ft.
Bottom of Bore	59.70	59.80			Ft.
Bore Volume	3.10	3.08			Gal.
LPNL Top	NA	NA			Ft.
LPNL Bottom	NA	NA			Ft.
DPNL Top	NA	NA			Ft.
DPNL Bottom	NA	NA			Ft.
Min. Bailing Vol.	9.29	9.24			Gal.
Actual Bailing Vol.	20.00	15.00			Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #7

Lat: N33° 23.3140'
Long. W103° 36.9277'
Surf. Elev. 4283.54 Ft.

North 869667.2003
East 760452.4603

As Drilled	As Measured
------------	-------------

Date: 8/9/1999
Top of Water 37.45 Ft.
Bottom of Bore 62 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.30	39.60		Ft.
Bottom of Bore	55.80	55.90		Ft.
Bore Volume	2.66	2.63		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	7.98	7.89		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #8

Lat: N33° 23.279
Long. W103° 36.943
Surf. Elev. 4283.84 Ft.

As Drilled	As Measured
------------	-------------

Date: 6/10/2003
Top of Water 39 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.70	39.90		Ft.
Bottom of Bore	55.90	55.90		Ft.
Bore Volume	2.61	2.58		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	7.84	7.74		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #9

Lat: N33° 23.286
Long. W103° 36.881
Surf. Elev. Ft.

As Drilled	As Measured
------------	-------------

Date: 6/5/2002
Top of Water 38.95 Ft.
Bottom of Bore 51 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.60	39.90		Ft.
Bottom of Bore	50.50	50.70		Ft.
Bore Volume	1.76	1.74		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	5.27	5.23		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #10

Lat: N33° 23.280
Long. W103° 36.823
Surf. Elev. 4281 Ft.

As Drilled	As Measured
------------	-------------

Date: 6/10/2003
Top of Water 39 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05		
Top of Water	40.40	40.10		Ft.
Bottom of Bore	62.50	62.30		Ft.
Bore Volume	3.56	3.58		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	10.69	10.74		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments



Sohio A

Monitor Well Bailing Log

Sohio A MW #11

Lat: N33⁰ 23.242
Long. W103⁰ 36.827
Surf. Elev. 4281 Ft.

As Drilled	As Measured
------------	-------------

Date: 6/11/2003
Top of Water 39 Ft.
Bottom of Bore 60 Ft.

Date:	1/23/04	10/21/05		
Top of Water	39.90	40.10		Ft.
Bottom of Bore	56.70	56.90		Ft.
Bore Volume	2.71	2.71		Gal.
LPNL Top	NA	NA		Ft.
LPNL Bottom	NA	NA		Ft.
DPNL Top	NA	NA		Ft.
DPNL Bottom	NA	NA		Ft.
Min. Bailing Vol.	8.13	8.13		Gal.
Actual Bailing Vol.	20.00	15.00		Gal.

Comments

Sampling Results

[illegible]

Monitor Well # 3
Sohio State "A"
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
12484	09/05/97	0.096	0.004	0.002	0.008	0.012	0.020	0.122
13132	12/03/97	0.057	0.009	0.007	0.036	0.016	0.052	0.125
14067	03/23/98	0.126	0.011	0.007	0.026	0.014	0.040	0.184
14666	06/25/98	0.093	0.009	0.005	0.020	0.014	0.034	0.141
15598	10/01/98	0.070	0.010	0.003	0.014	0.011	0.025	0.108
16605	01/06/99	0.118	0.019	0.005	0.004	0.008	0.012	0.154
17441	04/01/99	0.056	0.007	0.006	0.007	0.013	0.020	0.089
18596	07/14/99	0.532	0.009	0.004	0.028	0.006	0.034	0.579
20602	10/06/99	0.346	0.020	0.008	0.038	0.020	0.058	0.432
22763	01/08/00	0.355	0.055	0.016	0.070	0.042	0.112	0.538
25151	04/18/00	0.408	0.041	0.014	0.070	0.040	0.110	0.573
28422	07/20/00	0.377	0.052	0.017	0.076	0.031	0.107	0.553
31513	09/26/00	0.229	0.005	0.003	0.011	0.004	0.015	0.252
36142	01/05/01	0.248	0.002	0.002	0.006	0.003	0.009	0.261
38937	04/05/01	0.325	0.007	0.009	0.030	0.016	0.046	0.387
0101098-21	07/07/01	0.307	0.001	0.004	0.017	0.005	0.022	0.334
0101642-21	09/26/01	0.250	0.013	0.006	0.032	0.016	0.048	0.317
0202619-21	02/15/02	0.358	0.003	0.008	0.048	0.009	0.057	0.426
0203001-21	04/09/02	0.150	0.002	0.005	0.008	0.003	0.011	0.168
0203602-22	06/16/02	0.258	0.005	0.005	0.021	0.011	0.032	0.300
0204815-25	10/29/02	0.368	0.007	0.002	0.036	0.008	0.044	0.421
0205349-24	01/04/03	0.380	0.010	0.006	0.030	0.014	0.044	0.440
0306249-25	04/17/03	0.383	0.006	0.009	0.042	0.014	0.056	0.454
0306733-09	06/20/03	0.396	0.006	0.005	0.023	0.009	0.032	0.439
0307790-43	10/30/03	0.358	0.008	0.009	0.048	0.009	0.057	0.432
4A26011-03	01/24/04	0.192	0.001	0.001	0.003	0.001	0.004	0.198
4J04012-03	10/01/04	0.100	0.001	0.001	0.001	0.001	0.002	0.104
5J24013-03	10/21/05	0.058	0.001	0.001	0.011	0.010	0.021	0.081

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306733-10	06/20/03	0.012	0.012	0.010	0.044	0.019	0.063	0.097
0307790-44	11/02/03	0.002	0.002	0.002	0.008	0.004	0.012	0.018
4A26011-04	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-04	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-04	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306733-10	06/20/03	0.012	0.012	0.010	0.044	0.019	0.063	0.097
0307790-44	11/02/03	0.002	0.002	0.002	0.008	0.004	0.012	0.018
4A26011-04	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-04	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-04	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Monitor Well # 5
Sohio State "A"
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
17267	03/17/99	0.118	0.019	0.005	0.004	0.008	0.012	0.154
17444	04/01/99	0.056	0.007	0.006	0.007	0.013	0.020	0.089
18610	07/14/99	0.268	0.024	0.006	0.030	0.024	0.054	0.352
20621	10/06/99	0.265	0.014	0.006	0.029	0.017	0.046	0.331
22780	01/08/00	0.080	0.056	0.016	0.064	0.038	0.102	0.254
28456	07/20/00	0.385	0.048	0.017	0.092	0.038	0.130	0.580
31516	09/26/00	0.249	0.004	0.003	0.023	0.010	0.033	0.289
36153	01/05/01	0.355	0.004	0.003	0.020	0.009	0.029	0.391
38939	04/05/01	0.324	0.012	0.016	0.069	0.035	0.104	0.456
0101098-23	07/07/01	0.073	0.001	0.004	0.012	0.004	0.016	0.094
0101642-23	09/26/01	0.123	0.036	0.018	0.082	0.039	0.121	0.298
0202619-23	02/15/02	0.123	0.001	0.007	0.041	0.008	0.049	0.180
0203001-23	04/09/02	0.140	0.017	0.044	0.085	0.041	0.126	0.327
0203602-24	06/16/02	0.002	0.005	0.006	0.031	0.012	0.043	0.056
0204815-27	10/29/02	0.178	0.011	0.003	0.056	0.013	0.069	0.261
0205349-26	01/04/03	0.093	0.030	0.013	0.068	0.035	0.103	0.239
0306249-27	04/17/03	0.060	0.009	0.016	0.065	0.020	0.085	0.170
0306733-11	06/20/03	0.035	0.013	0.012	0.050	0.021	0.071	0.131
0307790-45	10/30/03	0.009	0.008	0.006	0.026	0.011	0.037	0.060
4A26011-05	01/24/04	0.046	0.001	0.001	0.001	0.001	0.002	0.050
4J04012-04	10/01/04	0.008	0.001	0.001	0.001	0.001	0.002	0.012
5J24013-05	10/21/05	0.013	0.001	0.001	0.001	0.001	0.002	0.017

Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306733-12	06/20/03	0.398	0.014	0.010	0.052	0.022	0.074	0.496
0307790-46	10/30/03	0.003	0.003	0.002	0.008	0.001	0.012	0.020
4A26011-06	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-06	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-06	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

**Monitor Well # 7
Sohio State "A"
Sampling Results**

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
19166	08/13/99	0.396	0.004	0.001	0.017	0.012	0.029	0.430
20622	10/06/99	0.362	0.015	0.006	0.039	0.022	0.061	0.444
22787	01/08/00	0.383	0.044	0.013	0.720	0.040	0.760	1.200
25153	04/18/00	0.602	0.067	0.020	0.121	0.070	0.191	0.880
28460	07/20/00	0.137	0.046	0.017	0.078	0.032	0.110	0.310
31517	09/26/00	0.820	0.066	0.354	1.480	0.365	1.845	3.085
36162	01/05/01	0.130	0.004	0.003	0.010	0.005	0.015	0.152
38940	04/05/01	0.105	0.008	0.013	0.042	0.023	0.065	0.191
0101098-24	07/07/01	0.275	0.003	0.007	0.039	0.014	0.053	0.338
0101642-24	09/26/01	0.406	0.038	0.014	0.083	0.040	0.123	0.581
0202619-24	02/15/02	0.325	0.003	0.007	0.056	0.015	0.071	0.406
0203001-24	04/09/02	0.402	0.003	0.009	0.029	0.013	0.042	0.456
0203602-25	06/16/02	0.001	0.006	0.001	0.019	0.001	0.020	0.028
0204815-28	10/29/02	0.322	0.011	0.004	0.068	0.018	0.086	0.423
0205349-27	01/04/03	0.320	0.032	0.012	0.074	0.037	0.111	0.475
0306249-28	04/17/03	0.290	0.010	0.012	0.065	0.022	0.088	0.400
0306733-17	06/20/03	0.282	0.011	0.009	0.047	0.020	0.067	0.369
0307790-47	10/30/03	0.176	0.006	0.003	0.021	0.010	0.031	0.216
4A26011-07	01/24/04	0.215	0.001	0.001	0.009	0.004	0.013	0.230
4J04012-07	10/01/04	0.152	0.001	0.001	0.005	0.003	0.009	0.163
5J24013-07	10/21/05	0.163	0.001	0.001	0.005	0.003	0.009	0.174

Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306733-14	06/20/03	0.008	0.009	0.009	0.037	0.015	0.052	0.078
0307790-48	10/30/03	0.003	0.003	0.002	0.008	0.003	0.012	0.020
4A26011-08	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-08	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-08	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0203719-02	06/21/02	0.118	0.002	0.006	0.009	0.006	0.015	0.141
0205349-28	01/04/03	0.057	0.066	0.020	0.105	0.058	0.163	0.306
0306249-29	04/17/03	0.050	0.019	0.025	0.118	0.038	0.156	0.250
0306733-15	06/20/03	0.036	0.038	0.023	0.094	0.043	0.137	0.234
0307790-49	10/30/03	0.001	0.001	0.001	0.003	0.001	0.004	0.007
4A26011-09	01/24/04	0.001	0.001	0.001	0.004	0.001	0.005	0.008
4J04012-09	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-09	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

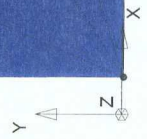
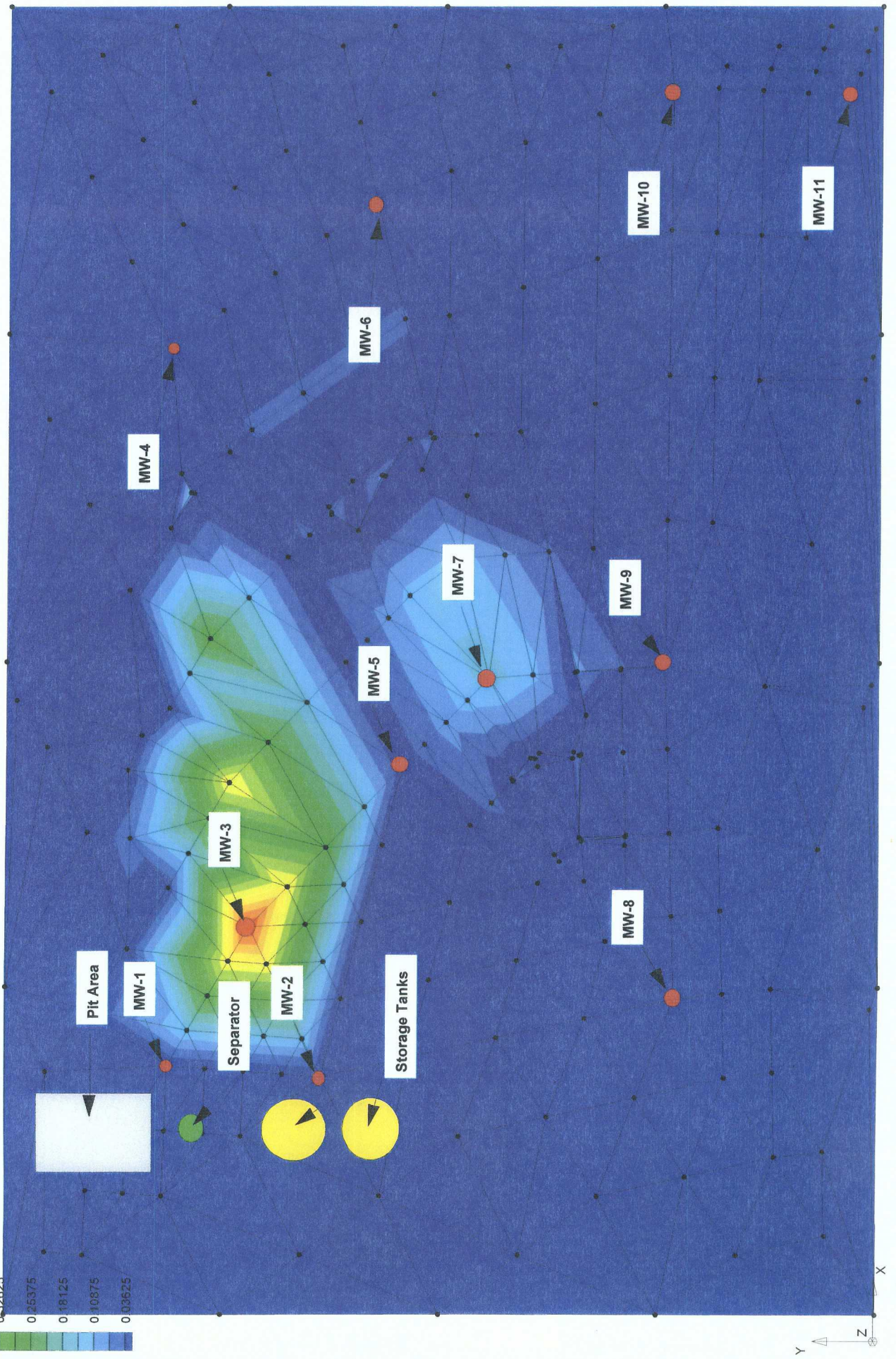
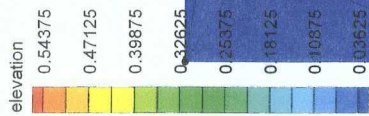
Sampling Results

Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306733-14	06/20/03	0.008	0.009	0.009	0.037	0.015	0.052	0.078
0307790-50	10/30/03	0.005	0.003	0.002	0.007	0.004	0.011	0.021
4A26011-10	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-10	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J24013-10	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

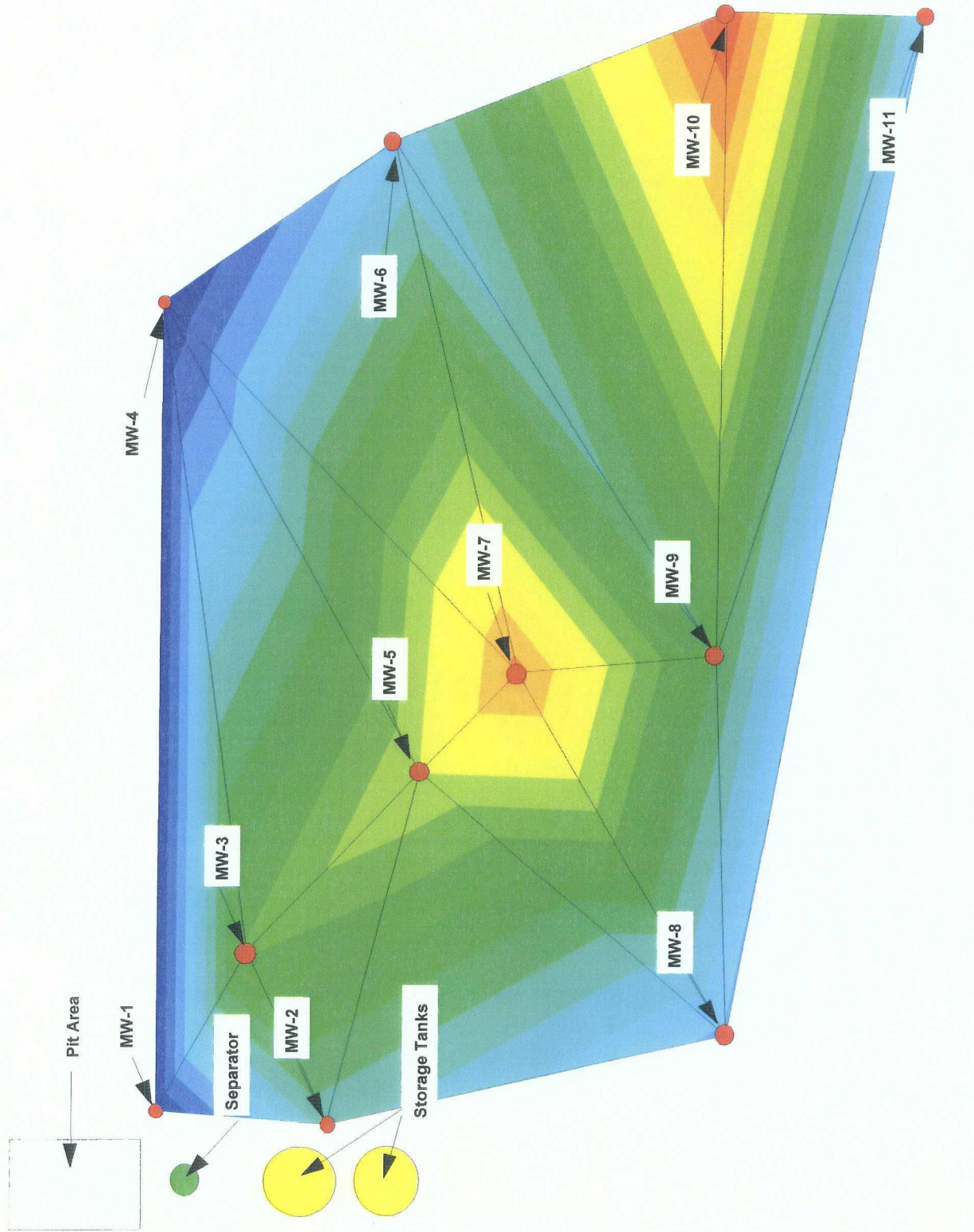
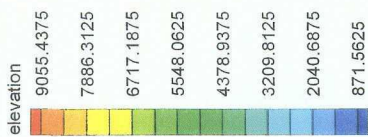
Sampling Results

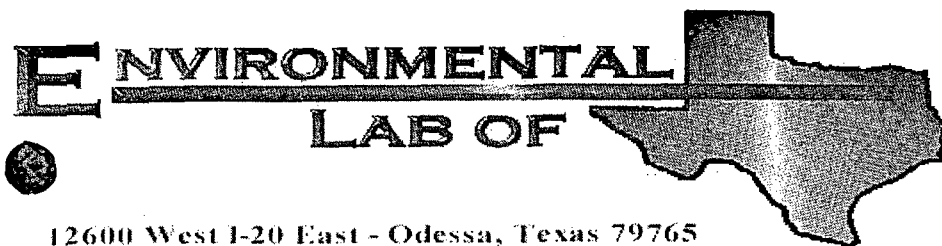
Lab. #	Sample Date	Benzene	Toluene	Ethylbenzene	m,p Xylene	o Xylene	Total Xylene	Total BTEX
0306752-01	06/22/03	0.003	0.006	0.004	0.018	0.007	0.025	0.038
0307790-51	10/30/03	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4A26011-11	01/24/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
4J04012-11	10/01/04	0.001	0.001	0.001	0.001	0.001	0.002	0.005
5J23013011	10/21/05	0.001	0.001	0.001	0.001	0.001	0.002	0.005

Tipperary Corporation
 Sohio A
 Benzene Concentrations



Tipperary Corporation
 Sohio A
 Chloride Concentrations





Analytical Report

Prepared for:

Mike Griffin

WHOLE EARTH ENVIRONMENTAL

2103 Arbor Cove

Katy, TX 77494

Project: Sohio A

Project Number: None Given

Location: Lea County, New Mexico

Lab Order Number: 5J24013

Report Date: 11/03/05

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW #1	5J24013-01	Water	10/21/05 10:35	10/23/05 15:40
MW #2	5J24013-02	Water	10/21/05 11:55	10/23/05 15:40
MW #3	5J24013-03	Water	10/21/05 10:50	10/23/05 15:40
MW #4	5J24013-04	Water	10/21/05 10:10	10/23/05 15:40
MW #5	5J24013-05	Water	10/21/05 10:20	10/23/05 15:40
MW #6	5J24013-06	Water	10/21/05 10:05	10/23/05 15:40
MW #7	5J24013-07	Water	10/21/05 09:50	10/23/05 15:40
MW #8	5J24013-08	Water	10/21/05 00:00	10/23/05 15:40
MW #9	5J24013-09	Water	10/21/05 09:40	10/23/05 15:40
MW #10	5J24013-10	Water	10/21/05 09:15	10/23/05 15:40
MW #11	5J24013-11	Water	10/21/05 09:25	10/23/05 15:40

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

Organics by GC Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #1 (5J24013-01) Water									
Benzene	ND	0.0100	mg/L	10	EJ52805	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120		"	"	"	"	
MW #2 (5J24013-02) Water									
Benzene	J [0.00397]	0.0100	mg/L	10	EJ52806	10/28/05	10/31/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-120		"	"	"	"	
MW #3 (5J24013-03) Water									
Benzene	0.0564	0.0100	mg/L	10	EJ52806	10/28/05	10/31/05	EPA 8021B	
Toluene	J [0.00460]	0.0100	"	"	"	"	"	"	
Ethylbenzene	J [0.00285]	0.0100	"	"	"	"	"	"	
Xylene (p/m)	0.0108	0.0100	"	"	"	"	"	"	
Xylene (o)	J [0.00311]	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		83.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.2 %	80-120		"	"	"	"	
MW #4 (5J24013-04) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/02/05	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		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	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 2 of 11

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #5 (5J24013-05) Water									
Benzene	0.0131	0.0100	mg/L	10	EJ52806	10/28/05	11/02/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	80-120		"	"	"	"	

MW #6 (5J24013-06) Water

Benzene	ND	0.0100	mg/L	10	EJ52806	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120		"	"	"	"	

MW #7 (5J24013-07) Water

Benzene	0.163	0.0100	mg/L	10	EJ52806	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	0.0128	0.0100	"	"	"	"	"	"	
Xylene (o)	J [0.00545]	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		99.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		"	"	"	"	

MW #8 (5J24013-08) Water

Benzene	ND	0.0100	mg/L	10	EJ52806	10/28/05	11/01/05	EPA 8021B	
Toluene	ND	0.0100	"	"	"	"	"	"	
Ethylbenzene	ND	0.0100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.0100	"	"	"	"	"	"	
Xylene (o)	ND	0.0100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		96.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.8 %	80-120		"	"	"	"	

Environmental Lab of Texas

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Page 3 of 11

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #9 (5J24013-09) Water									
Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/01/05	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		96.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.8 %	80-120		"	"	"	"	

MW #10 (5J24013-10) Water

Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/01/05	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		89.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-120		"	"	"	"	

MW #11 (5J24013-11) Water

Benzene	ND	0.00100	mg/L	1	EJ52806	10/28/05	11/01/05	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		91.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %	80-120		"	"	"	"	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #1 (5J24013-01) Water									
Chloride	287	5.00	mg/L	10	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #2 (5J24013-02) Water									
Chloride	3420	50.0	mg/L	100	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #3 (5J24013-03) Water									
Chloride	5620	100	mg/L	200	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #4 (5J24013-04) Water									
Chloride	316	10.0	mg/L	20	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #5 (5J24013-05) Water									
Chloride	6730	100	mg/L	200	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #6 (5J24013-06) Water									
Chloride	2550	50.0	mg/L	100	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #7 (5J24013-07) Water									
Chloride	8680	100	mg/L	200	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #8 (5J24013-08) Water									
Chloride	1920	25.0	mg/L	50	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #9 (5J24013-09) Water									
Chloride	4390	100	mg/L	200	EJ52606	10/25/05	10/26/05	EPA 300.0	
MW #10 (5J24013-10) Water									
Chloride	9640	100	mg/L	200	EJ52606	10/25/05	10/26/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW #11 (5J24013-11) Water									
Chloride	2360	25.0	mg/L	50	EJ52606	10/25/05	10/26/05	EPA 300.0	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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
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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			

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			

Environmental Lab of Texas

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WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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
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Batch EJ52805 - EPA 5030C (GC)

Matrix Spike Dup (EJ52805-MSD1)

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	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			

Batch EJ52806 - EPA 5030C (GC)

Blank (EJ52806-BLK1)

Prepared: 10/28/05

Analyzed: 11/01/05

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	40.1		ug/l	40.0		100	80-120			
Surrogate: 4-Bromofluorobenzene	32.7		"	40.0		81.8	80-120			

BS (EJ52806-BS1)

Prepared: 10/28/05

Analyzed: 10/31/05

Benzene	0.0476	0.00100	mg/L	0.0500		95.2	80-120			
Toluene	0.0495	0.00100	"	0.0500		99.0	80-120			
Ethylbenzene	0.0472	0.00100	"	0.0500		94.4	80-120			
Xylene (p/m)	0.0894	0.00100	"	0.100		89.4	80-120			
Xylene (o)	0.0479	0.00100	"	0.0500		95.8	80-120			
Surrogate: a,a,a-Trifluorotoluene	32.9		ug/l	40.0		82.2	80-120			
Surrogate: 4-Bromofluorobenzene	32.7		"	40.0		81.8	80-120			

Environmental Lab of Texas

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WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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
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Batch EJ52806 - EPA 5030C (GC)

Calibration Check (EJ52806-CCV1)

Prepared: 10/28/05 Analyzed: 11/01/05

Benzene	50.4		ug/l	50.0		101	80-120			
Toluene	51.8		"	50.0		104	80-120			
Ethylbenzene	49.3		"	50.0		98.6	80-120			
Xylene (p/m)	92.9		"	100		92.9	80-120			
Xylene (o)	50.0		"	50.0		100	80-120			
Surrogate: a,a,a-Trifluorotoluene	44.8		"	40.0		112	80-120			
Surrogate: 4-Bromofluorobenzene	42.3		"	40.0		106	80-120			

Matrix Spike (EJ52806-MS1)

Source: SJ27012-03

Prepared: 10/28/05 Analyzed: 11/01/05

Benzene	0.0496	0.00100	mg/L	0.0500	ND	99.2	80-120			
Toluene	0.0505	0.00100	"	0.0500	ND	101	80-120			
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120			
Xylene (p/m)	0.0899	0.00100	"	0.100	ND	89.9	80-120			
Xylene (o)	0.0488	0.00100	"	0.0500	ND	97.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	42.9		ug/l	40.0		107	80-120			
Surrogate: 4-Bromofluorobenzene	35.4		"	40.0		88.5	80-120			

Matrix Spike Dup (EJ52806-MSD1)

Source: SJ27012-03

Prepared: 10/28/05 Analyzed: 11/01/05

Benzene	0.0499	0.00100	mg/L	0.0500	ND	99.8	80-120	0.603	20	
Toluene	0.0514	0.00100	"	0.0500	ND	103	80-120	1.96	20	
Ethylbenzene	0.0493	0.00100	"	0.0500	ND	98.6	80-120	2.46	20	
Xylene (p/m)	0.0910	0.00100	"	0.100	ND	91.0	80-120	1.22	20	
Xylene (o)	0.0495	0.00100	"	0.0500	ND	99.0	80-120	1.42	20	
Surrogate: a,a,a-Trifluorotoluene	42.3		ug/l	40.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	35.5		"	40.0		88.8	80-120			

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WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EJ52606 - General Preparation (WetChem)									
Blank (EJ52606-BLK1)									
					Prepared: 10/25/05 Analyzed: 10/26/05				
Chloride	ND	0.500	mg/L						
LCS (EJ52606-BS1)									
					Prepared: 10/25/05 Analyzed: 10/26/05				
Chloride	8.45		mg/L	10.0	84.5	80-120			
Calibration Check (EJ52606-CCV1)									
					Prepared: 10/25/05 Analyzed: 10/26/05				
Chloride	8.83		mg/L	10.0	88.3	80-120			
Duplicate (EJ52606-DUP1)									
					Source: 5J24012-07 Prepared: 10/25/05 Analyzed: 10/26/05				
Chloride	46.5	5.00	mg/L		45.3		2.61	20	

WHOLE EARTH ENVIRONMENTAL
2103 Arbor Cove
Katy TX, 77494

Project: Sohio A
Project Number: None Given
Project Manager: Mike Griffin

Fax: (281) 394-2051

Reported:
11/03/05 09:48

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K Tuttle

Date:

11-03-05

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.

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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

Sampler Signature:

Fax No: (281) 394-2051

Project Name: Sohio A

Project #:

Project Loc: Lea County, New Mexico

PO#:

[illegible]

