April 17, 2007

Sarah Carlson
New York State Dept. of Environmental Conservation Region 2
Petroleum Remediation Unit
Environmental Remediation Division
47-40 21st Street
Long Island City, NY 11101-5407

Re: Site Status Report
Hess Station 32516
210 Greenpoint Avenue
Brooklyn, Kings County, New York
NYSDEC Spill No. 93-03243

Dear Mrs. Carlson:

DELTA

Delta Environmental Consultants, Inc. (Delta) has assumed the role of environmental consultant for the Hess Corporation (Hess).

Enclosed please find the Site Status Report (SSR) for the above-referenced site. This report was prepared by Delta on behalf of Hess.

Should you have any questions or comments regarding the data submitted in this report, please do not hesitate to contact me at 914-303-4607. Should you have any questions or comments relating to the project, please contact John Schenkewitz of Hess Corporation at 732-750-6616.

Sincerely,
DELTA ENVIRONMENTAL CONSULTANTS, INC.

Tim Fisher
Project Manager

Enclosure: Site Status Report

cc: John Schenkewitz - Hess Corporation (w/ encl.)

HESS CORPORATION

SITE STATUS REPORT (JANUARY 2007 THROUGH MARCH 2007)

Prepared For: Hess Corporation
Prepared By: Delta Environmental Consultants, Inc.
Report Date: April 17, 2007

SITE BACKGROUND

Hess Station:	32516
Site Address:	210 Greenpoint Avenue, Brooklyn, Kings County, New York
Regulatory Agency:	New York State Department of Environmental Conservation Region 2
Regulatory Contact:	Sarah Carlson
Case Number:	93-03243
Hess Contact:	John Schenkewitz
Hess Consultant:	Delta Environmental Consultants, Inc.
Delta Contact:	Tim Fisher

GROUND WATER MONITORING DATA

Gauging and Sampling Date:	February 22, 2007
Number of Wells Sampled:	8 (MW-1 through MW-8)
Number of Wells Not Sampled:	None
Gauging Frequency:	Tri-Annual
Sampling Frequency:	Tri-Annual
Current Wells with LNAPL:	None
Ground Water Depth Range:	6.23 to 9.70 ft below TOC
Interpreted Ground Water Flow Direction:	North-Northeast
Maximum Total BTEX Concentration:	12.3 µg/L (MW-1)
Maximum MTBE Concentration:	140 µg/L (MW-6)

SITE ACTIVITIES PERFORMED THIS REPORTING PERIOD

The monitoring well network was gauged and sampled on February 22, 2007 as part of the tri-annual sampling schedule.

PROPOSED ACTIVITIES FOR NEXT REPORTING PERIOD

In July 2006, a sensitive receptor survey (SRS) was submitted by EnviroTrac LTD to the NYSDEC. The results of the survey indicated that no drinking water or irrigation wells were identified within a ½-mile radius of the site. No wetlands or water bodies were identified within a ¼-mile radius of the site. No utility vaults were observed on or adjacent to the site. Storm drains and apparent sewer manholes were observed on and in close proximity to the site and buildings to the west of the site appear to contain basements. As reported in the SRS, soil vapor sampling points were installed in the vicinity if the site kiosk building on June 13, 2006. Soil vapor samples were collected from these points and submitted for laboratory analysis of benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl-tert-butyl ether (MTBE). Laboratory data reported no BTEX or MTBE concentrations above laboratory detection limits. Based on these results no further action is warranted with regards to soil vapors.

During the January 2007 site review meeting, the NYSDEC requested one additional ground water monitoring event. Based on the results of the February 22, 2007 monitoring event and the findings of the SRS, Delta requests NYSDEC Spill No. 93-03243 be granted a No Further Action status.

ATTACHMENTS

Figures: Figure 1: Site Location Map
Figure 2: Site Plan
Figure 3: Ground Water Elevation Contour Map
Figure 4: Ground Water Analytical Results Map

Tables: Table 1: Ground Water Gauging and Analytical Results

Appendices: Appendix A: Laboratory Analytical Results Report

LIMITS OF INVESTIGATION

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

Prepared by:

Matthew Todd
Staff Professional

Reviewed by:

Tim Fisher
Project Manager

FIGURES

INTERIOR–GEOLOGICAL SURVEY, NEW YORK
BROOKLYN, NEW YORK, 7.5 MINUTE QUADRANGLE MAP
LATITUDE 40D 43M 49.76S NORTH
LONGITUDE 73D 57M 5.67S WEST

0 2000 4000 6000

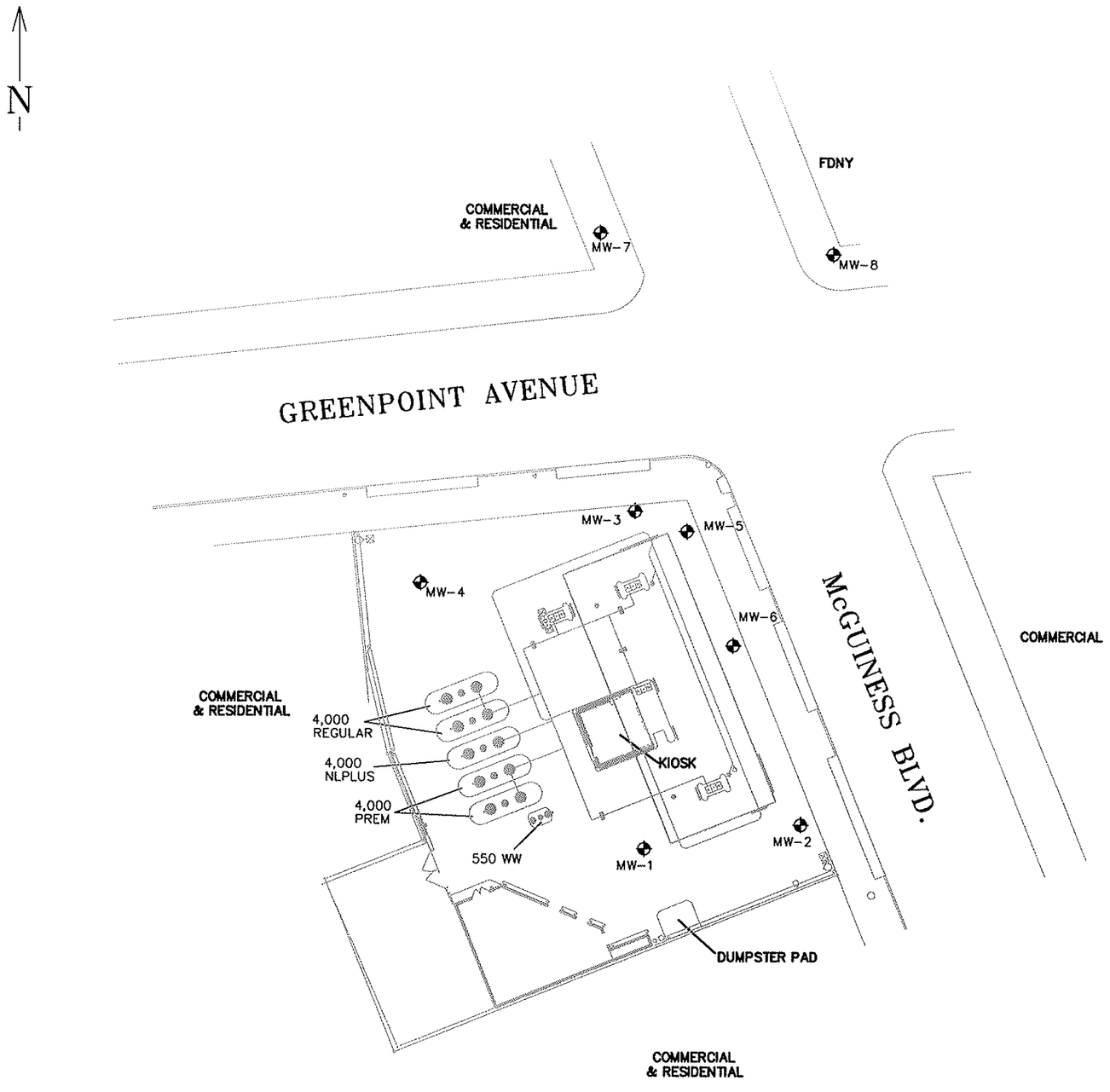
SCALE EQUALS : 1 INCH = 2000 FEET

FIGURE 1
SITE LOCATION MAP

HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

PROJECT NO.:	DRAWN BY: ICD
REVIEWED BY:	DATE: 12/11/06
FILE NAME: 32516_SITELOCATION_061211	

DELTA



LEGEND

- MONITORING WELL LOCATION
- WW WASTE WATER
- EXISTING UST

GRAPHIC SCALE

(IN FEET)
1 inch = 30 ft.

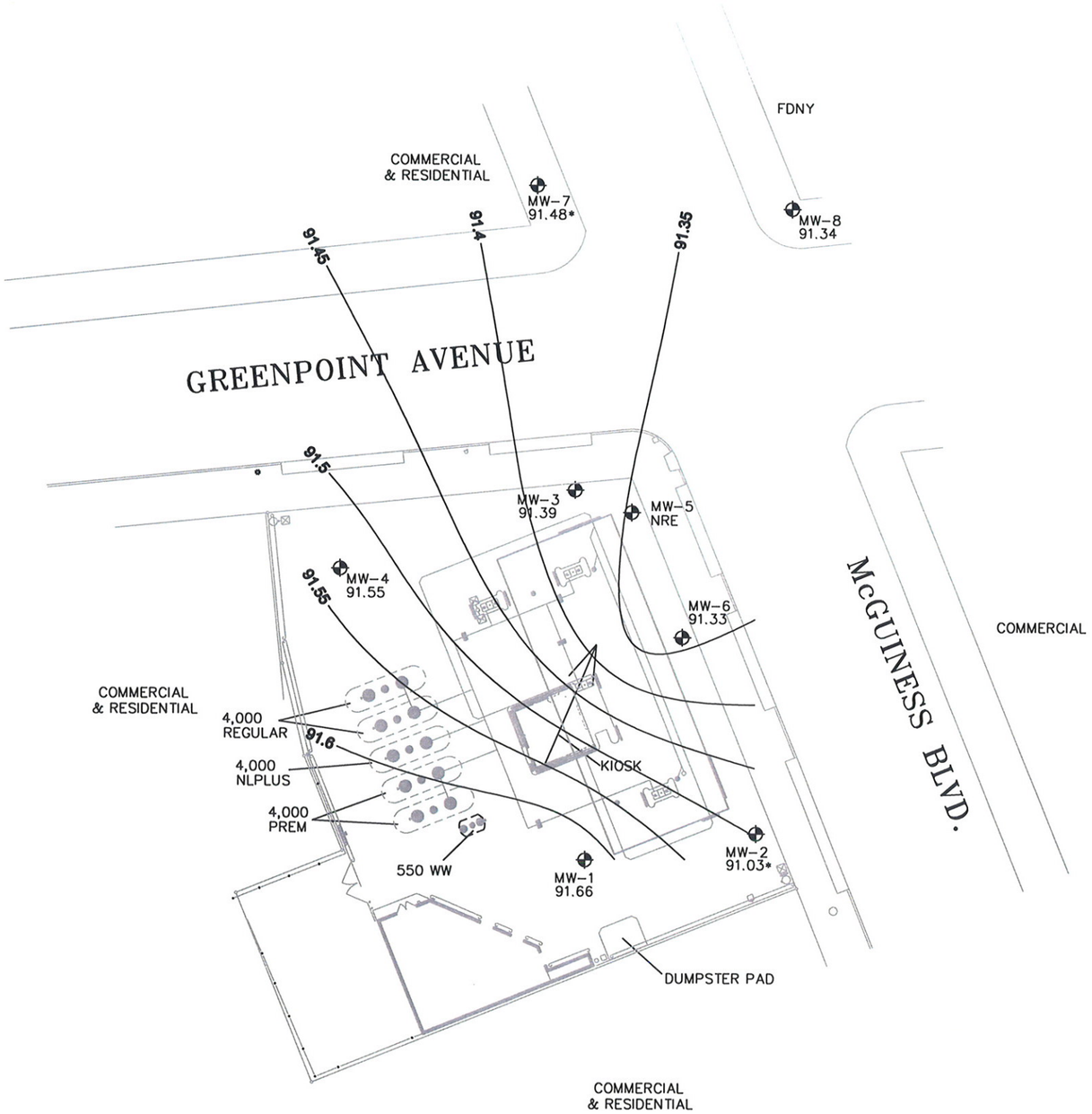
FIGURE 2
SITE PLAN

HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

PROJECT NO.:	DRAWN BY: ICD
REVIEWED BY:	DATE: 12/10/06
FILE NAME: 32516_0604\SITEPLAN_061210	

DELTA

N



LEGEND

⊕	MONITORING WELL LOCATION
WW	WASTE WATER
( )	EXISTING UST
91.48	GROUND WATER ELEVATION (FT)
-91.40	GROUND WATER ELEVATION CONTOUR LINE (FT)
→	INFERRED GROUND WATER FLOW DIRECTION
NRE	NO REFERENCE ELEVATION
*	NOT INCLUDED

GRAPHIC SCALE

15 0 7.5 15 30 60

(IN FEET)
1 inch = 30 ft.

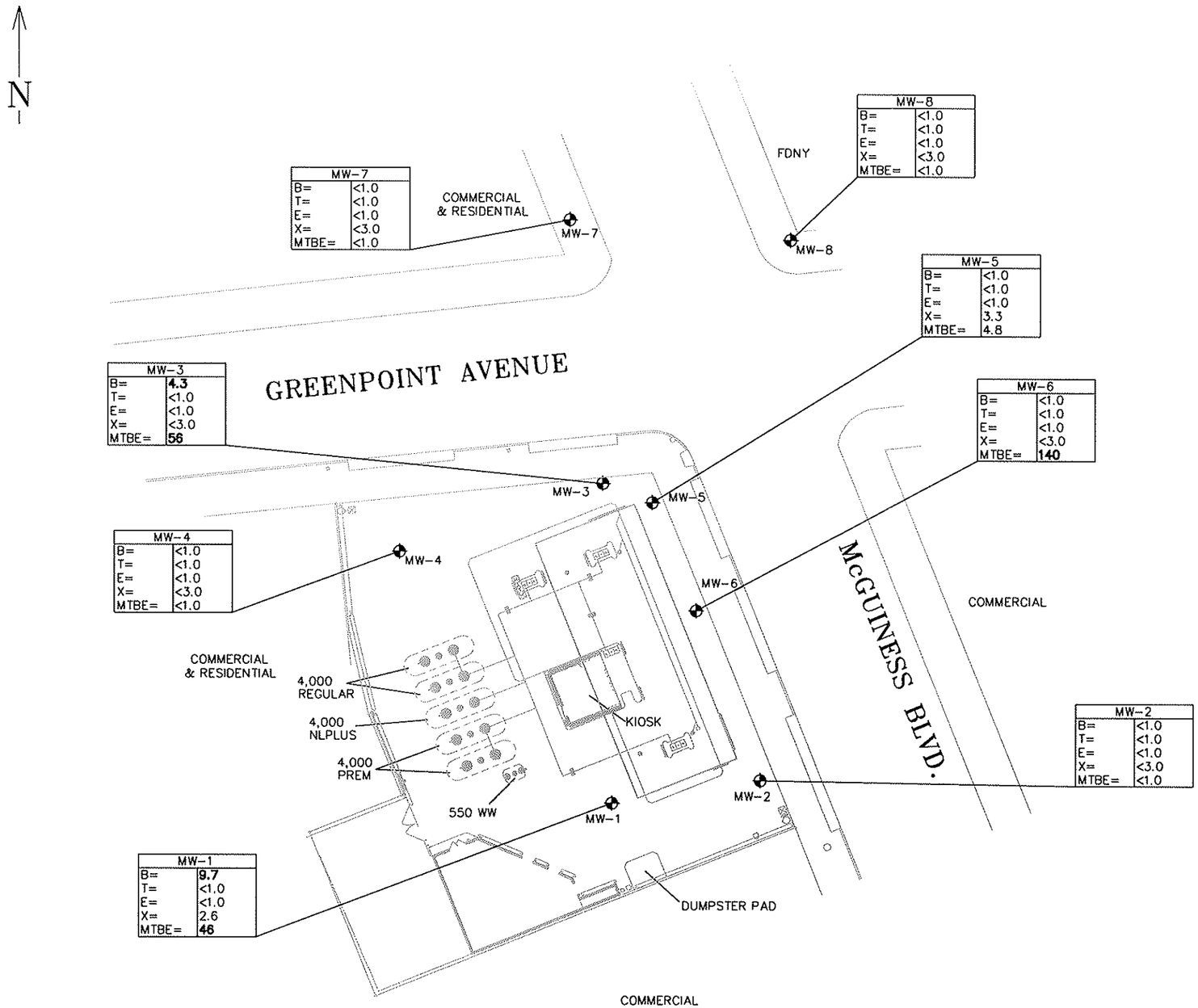
FIGURE 3

GROUND WATER ELEVATION CONTOUR MAP
(FEBRUARY 22, 2007)

HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

PROJECT NO.:	DRAWN BY: ICD
REVIEWED BY:	DATE: 02/22/07
FILE NAME: 32516_0701\GSLAYER_070222	

DELTA



LEGEND

- MONITORING WELL LOCATION
- WW — WASTE WATER
- EXISTING UST
- B= BENZENE
- T= TOLUENE
- E= ETHYLBENZENE
- X= TOTAL XYLENES
- MTBE= METHYL TERTIARY BUTYL ETHER

ALL CONCENTRATIONS EXPRESSED IN ug/L
BOLD VALUES INDICATE NYSDEC GWQS EXCEEDANCE

GRAPHIC SCALE

15 0 7.5 15 30 60

(IN FEET)
1 inch = 30 ft.

FIGURE 4

GROUND WATER ANALYTICAL RESULTS MAP
(FEBRUARY 22, 2007)

HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

PROJECT NO.:	DRAWN BY: ICD
REVIEWED BY:	DATE: 02/22/07
FILE NAME: 32516_07Q1ANALYTICAL_070222	DELTA

TABLES

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-1	6/21/1994	10.08	NP	8.95	NP	1.13	360	15	63	83	521	1700
	9/22/1994	10.08	NP	8.69	NP	1.39	250	73	57	200	580	2200
	12/1/1994	10.08	NP	10.06	NP	0.02	82	30	26	87	225	1500
	3/2/1995	10.08	NP	10.12	NP	-0.04	41	ND	ND	ND	41	560
	6/5/1995	10.08	NP	10.32	NP	-0.24	13	0.20	1.00	0.70	14.9	120
	9/19/1995	10.08	NP	10.30	NP	-0.22	105	2.20	31	15.6	153.8	597
	12/12/1995	10.08	NP	9.87	NP	0.21	40	0.80	4.50	9.5	54.8	276
	3/7/1996	10.08	NP	8.77	NP	1.31	40	ND	1.20	1.56	42.8	168
	6/6/1996	NG	NG	NG	NG	NG	56.1	ND	2.55	1.55	60.2	248
	9/16/1996	10.08	NP	9.07	NP	1.01	107	1.38	6.0	8.3	122.7	934
	12/9/1996	10.08	NP	8.20	NP	1.88	18.2	ND	ND	ND	18.2	175
	3/4/1997	10.08	NP	8.65	NP	1.43	4	ND	ND	ND	4.5	76
	6/3/1997	10.08	NP	8.41	NP	1.67	37.4	0.62	1.67	ND	39.7	258
	9/10/1997	10.08	NP	8.81	NP	1.27	8	0.76	ND	1.17	10	451
	12/16/1997	10.08	NP	9.27	NP	0.81	15.1	2.79	ND	3.11	21	598
	3/11/1998	10.08	NP	6.56	NP	3.52	ND	ND	0.72	0.56	1.3	2.51
	6/16/1998	10.08	NP	7.76	NP	2.32	31.3	0.83	0.72	0.78	33.6	576
	9/18/1998	10.08	NP	8.35	NP	1.73	24.4	1.68	1.06	2.62	29.8	626
	3/23/1999	10.08	NP	9.42	NP	0.66	46	1.50	1.00	2.5	51	560
	9/8/1999	10.08	NP	9.65	NP	0.43	79	3.80	4.20	10	97	900
	3/21/2000	10.08	NP	9.13	NP	0.95	19	1.10	1.10	6.3	28	490
	9/8/2000	10.08	NP	8.81	NP	1.27	9.4	1.10	ND	1.20	11.7	790
	3/22/2001	10.08	NP	8.70	NP	1.38	10.7	6.6	6.3	43.9	67.5	253
	6/15/2001	10.08	NP	9.09	NP	0.99	22	5.1	2.50	9.2	38.8	440
	9/17/2001	10.08	NP	9.52	NP	0.56	64	3.50	3.10	12.8	83.4	550
	12/27/2001	10.08	NP	9.95	NP	0.13	54	ND	ND	ND	54	510
	3/19/2002	10.08	NP	9.78	NP	0.30	11	ND	ND	ND	11.0	95
	5/6/2002	10.08	NP	9.82	NP	0.26	NS	NS	NS	NS	NS	NS
	6/27/2002	10.08	NP	9.60	NP	0.48	2	1.80	ND	5	8.8	63
	9/19/2002	10.08	NP	9.81	NP	0.27	25	2.60	ND	5.7	33.3	200
	12/2/2002	10.08	NP	9.17	NP	0.91	13	1.30	1.20	5.2	20.7	160
	3/4/2003	10.08	NP	8.75	NP	1.33	9	1.10	ND	4.90	15.0	66
	6/9/2003	10.08	NP	8.11	NP	1.97	26	ND	2.10	5.5	33.6	110
	9/25/2003	100.43	NP	8.77	NP	91.66	48	3.60	3.40	10.7	65.7	170
	12/17/2003	100.43	NP	8.31	NP	92.12	35	2.80	2.50	11.3	51.6	97
	3/4/2004	100.43	NP	8.45	NP	91.98	26	1.60	2.40	4.00	34	52
	6/15/2004	100.43	NP	8.81	NP	91.62	34	1.90	2.50	6.2	44.6	120
	9/29/2004	100.43	NP	7.57	NP	92.86	13	3.00	1.10	6	23.1	100
	12/10/2004	100.43	NP	8.25	NP	92.18	15	1.40	ND	3.00	19.4	43
	3/10/2005	100.43	NP	8.53	NP	91.90	23.7	1.55	2.20	3.68	31.1	50
	6/3/2005	100.43	NP	8.53	NP	91.90	32.6	2.46	2.31	5.27	42.6	103
	9/23/2005	100.43	NP	9.23	NP	91.20	11.5	ND	ND	ND	11.5	43
	12/9/2005	100.43	NP	8.22	NP	92.21	11.5	1.50	0.91 J	5.2	19.1	108
	8/15/2006	100.43	NP	8.05	NP	92.38	17.8	1.90	2.20	10.5	32.4	86
	11/8/2006	100.43	NP	7.74	NP	92.69	7.4	<2.0	0.79	6.3	14.5	93
	2/22/2007	100.43	NP	8.77	NP	91.66	9.7	<1.0	<1.0	2.6	12.3	46

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-2	6/21/1994	9.18	NP	7.05	NP	2.13	8.2	ND	ND	ND	8.2	230
	9/22/1994	9.18	NP	7.75	NP	1.43	17	11	20	60	108	190
	12/1/1994	9.18	NP	8.40	NP	0.78	11	24	15	70	120	180
	3/2/1995	9.18	NP	6.71	NP	2.47	ND	ND	ND	ND	ND	75
	6/5/1995	9.18	NP	8.43	NP	0.75	0.7	ND	ND	ND	0.7	110
	9/19/1995	9.18	NP	8.41	NP	0.77	1	ND	ND	ND	1	85
	12/12/1995	9.18	NP	8.30	NP	0.88	0.7	ND	1.1	2.9	4.7	66
	3/7/1996	9.18	NP	6.84	NP	2.34	ND	ND	ND	ND	ND	13.2
	6/6/1996	9.18	NP	6.63	NP	2.55	ND	ND	ND	ND	ND	15.1
	9/16/1996	9.18	NP	7.74	NP	1.44	ND	ND	ND	ND	ND	4.38
	12/9/1996	9.18	NP	6.32	NP	2.86	ND	ND	ND	ND	ND	8.61
	3/4/1997	9.18	NP	7.39	NP	1.79	ND	ND	ND	ND	ND	3.75
	6/3/1997	9.18	NP	7.18	NP	2.00	ND	ND	ND	ND	ND	2.05
	9/10/1997	9.18	NP	7.87	NP	1.31	ND	ND	ND	ND	ND	11.4
	12/16/1997	9.18	NP	8.10	NP	1.08	ND	ND	ND	ND	ND	16
	3/11/1998	9.18	NP	8.33	NP	0.85	4.63	ND	ND	0.8	5.43	226
	6/16/1998	9.18	NP	7.29	NP	1.89	ND	ND	ND	0.69	0.69	3.27
	9/18/1998	9.18	NP	7.95	NP	1.23	ND	ND	ND	ND	ND	3.09
	3/23/1999	9.18	NP	6.35	NP	2.83	ND	ND	ND	ND	ND	2.8
	9/8/1999	9.18	NP	8.52	NP	0.66	ND	ND	ND	ND	ND	13
	3/21/2000	9.18	NP	7.77	NP	1.41	ND	ND	ND	ND	ND	5.1
	9/8/2000	9.18	NP	8.29	NP	0.89	ND	ND	ND	ND	ND	4.2
	3/22/2001	9.18	NP	6.85	NP	2.33	ND	1.6	2	19.3	22.9	2.4
	6/15/2001	9.18	NP	8.10	NP	1.08	ND	ND	ND	ND	ND	ND
	9/17/2001	9.18	NP	8.60	NP	0.58	ND	ND	ND	ND	ND	ND
	12/27/2001	9.18	NP	8.85	NP	0.33	1.5	ND	ND	ND	1.5	12
	3/19/2002	9.18	NP	8.90	NP	0.28	ND	ND	ND	ND	ND	2.1
	5/6/2002	9.18	NP	8.30	NP	0.88	NS	NS	NS	NS	NS	NS
	6/27/2002	9.18	NP	8.49	NP	0.69	NS	NS	NS	NS	NS	NS
	9/19/2002	9.18	NP	8.65	NP	0.53	ND	ND	ND	ND	ND	14
	12/2/2002	9.18	NP	8.20	NP	0.98	ND	ND	ND	ND	ND	6.3
	3/4/2003	9.18	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS
	6/9/2003	9.18	NP	7.21	NP	1.97	ND	ND	ND	ND	ND	ND
	9/25/2003	99.56	NP	8.21	NP	91.35	ND	ND	ND	ND	ND	ND
	12/17/2003	99.56	NP	5.91	NP	93.65	ND	ND	ND	ND	ND	ND
	3/4/2004	99.56	NP	7.45	NP	92.11	ND	ND	ND	ND	ND	ND
	6/15/2004	99.56	NP	8.13	NP	91.43	ND	ND	ND	ND	ND	ND
	9/29/2004	99.56	NP	6.80	NP	92.76	ND	ND	ND	ND	ND	ND
	12/10/2004	99.56	NP	7.64	NP	91.92	ND	ND	ND	ND	ND	ND
	3/10/2005	99.56	NP	NA	NP	NA	NS	NS	NS	NS	NS	NS
	6/3/2005	99.56	NP	8.08	NP	91.48	ND	ND	ND	ND	ND	4.74
	9/23/2005	99.56	NP	8.75	NP	90.81	ND	ND	ND	ND	ND	ND
	12/9/2005	99.56	NP	7.95	NP	91.61	ND	ND	ND	ND	ND	4.8
	8/15/2006	99.56	NP	7.86	NP	91.70	ND	ND	ND	ND	ND	0.97 J
	11/8/2006	99.56	NP	8.10	NP	91.46	<1.0	<1.0	<1.0	<1.0	ND	<1.0
	2/22/2007	99.56	NP	8.53	NP	91.03	<1.0	<1.0	<1.0	<3.0	ND	<1.0

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-3	6/21/1994	8.66	NP	8.20	NP	0.46	44	2.3	9.2	1.8	57.3	40
	9/22/1994	8.66	NP	5.52	NP	3.14	21	4.8	19	27	71.8	70
	12/1/1994	8.66	NP	9.21	NP	-0.55	6.6	7.7	5.4	23.9	43.6	83
	3/2/1995	8.66	NP	9.27	NP	-0.61	77	2.1	2.7	6.89	88.7	160
	6/5/1995	8.66	NP	9.33	NP	-0.67	100	2.6	2.4	6.8	111.8	170
	9/19/1995	8.66	NP	9.30	NP	-0.64	50	1.8	4.8	7.2	63.8	154
	12/12/1995	8.66	NP	8.82	NP	-0.16	555	1.3	1.6	4.1	562	500
	3/7/1996	8.66	NP	8.13	NP	0.53	168	3.67	4.4	12	188.07	1,020
	6/6/1996	8.66	NP	7.64	NP	1.02	83.2	4.36	8.66	15.2	111.42	459
	9/16/1996	8.66	NP	7.90	NP	0.76	22.7	3.39	18.7	12	56.79	140
	12/9/1996	8.66	NP	7.42	NP	1.24	18.4	1.96	5.29	6.05	31.7	80.8
	3/4/1997	8.66	NP	7.61	NP	1.05	10	1.55	14.9	5.04	31.49	19.1
	6/3/1997	8.66	NP	7.34	NP	1.32	26.2	ND	54.3	20.8	101.3	20.6
	9/10/1997	8.66	NP	7.64	NP	1.02	1.44	ND	1.54	ND	2.98	29.2
	12/16/1997	8.66	NP	8.18	NP	0.48	ND	0.62	ND	ND	0.62	23.8
	3/11/1998	8.66	NP	7.88	NP	0.78	3.15	ND	0.92	ND	4.07	28.1
	6/16/1998	8.66	NP	7.25	NP	1.41	0.6	ND	1.06	0.53	2.19	2,920
	9/18/1998	8.66	NP	7.74	NP	0.92	4.82	1.35	6.02	6.04	18.23	94.1
	3/23/1999	8.66	NP	8.65	NP	0.01	1.2	ND	ND	1.1	2.3	40
	9/8/1999	8.66	NP	8.25	NP	0.41	ND	ND	ND	ND	ND	25
	3/21/2000	8.66	NP	7.93	NP	0.73	ND	ND	ND	ND	ND	47
	9/8/2000	8.66	NP	7.84	NP	0.82	ND	ND	ND	ND	ND	43
	3/22/2001	8.66	8.00	8.50	0.50	0.54	NS	NS	NS	NS	NS	NS
	6/15/2001	8.66	8.50	9.64	1.14	-0.13	NS	NS	NS	NS	NS	NS
	7/31/2001	8.66	8.61	9.20	0.59	-0.10	NS	NS	NS	NS	NS	NS
	8/6/2001	8.66	7.88	9.46	1.58	0.38	NS	NS	NS	NS	NS	NS
	8/21/2001	8.66	8.32	8.33	0.01	0.34	NS	NS	NS	NS	NS	NS
	9/17/2001	8.66	8.00	8.10	0.10	0.64	NS	NS	NS	NS	NS	NS
	10/22/2001	8.66	7.99	8.01	0.02	0.67	NS	NS	NS	NS	NS	NS
	11/29/2001	8.66	8.48	9.53	1.05	-0.08	NS	NS	NS	NS	NS	NS
	12/27/2001	8.66	8.50	8.91	0.41	0.06	NS	NS	NS	NS	NS	NS
	1/28/2002	8.66	8.40	8.56	0.16	0.22	NS	NS	NS	NS	NS	NS
	2/12/2002	8.66	8.54	8.59	0.05	0.11	NS	NS	NS	NS	NS	NS
	3/19/2002	8.66	8.69	8.75	0.06	-0.04	10	7.6	6.3	109	132.9	58
	4/4/2002	8.66	NP	7.45	NP	1.21	NS	NS	NS	NS	NS	NS
	5/6/2002	8.66	NP	8.21	NP	0.45	NS	NS	NS	NS	NS	NS
	6/27/2002	8.66	8.00	8.01	0.01	0.66	220	3,500	1,800	12,100	17,620	3,600
	7/30/2002	8.66	NP	8.38	NP	0.28	NS	NS	NS	NS	NS	NS
	8/28/2002	8.66	NP	8.68	NP	-0.02	NS	NS	NS	NS	NS	NS
	9/19/2002	8.66	NP	8.17	NP	0.49	170	47	64	273	554	790
	10/15/2002	8.66	NP	7.90	NP	0.76	NS	NS	NS	NS	NS	NS
	11/25/2002	8.66	NP	7.65	NP	1.01	NS	NS	NS	NS	NS	NS
	12/2/2002	8.66	NP	7.70	NP	0.96	210	110	120	900	1,340	520
	1/16/2003	8.66	NP	7.89	NP	0.77	NS	NS	NS	NS	NS	NS
	2/19/2003	8.66	NP	8.22	NP	0.44	NS	NS	NS	NS	NS	NS
	3/4/2003	8.66	NP	7.85	NP	0.81	280	82	140	740	1,242	610

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-3 cont'	4/8/2003	8.66	NP	7.86	NP	0.80	NS	NS	NS	NS	NS	NS
	5/30/2003	8.66	NP	7.64	NP	1.02	NS	NS	NS	NS	NS	NS
	6/9/2003	8.66	NP	7.34	NP	1.32	360	93	52	310	815	1,200
	7/14/2003	8.66	NP	7.65	NP	1.01	NS	NS	NS	NS	NS	NS
	8/18/2003	8.66	NP	7.29	NP	1.37	NS	NS	NS	NS	NS	NS
	9/25/2003	99.12	NP	7.46	NP	91.66	940	50	150	400	1,540	2,300
	10/20/2003	99.12	NP	7.87	NP	91.25	NS	NS	NS	NS	NS	NS
	11/3/2003	99.12	NP	7.62	NP	91.50	NS	NS	NS	NS	NS	NS
	12/17/2003	99.12	NP	7.28	NP	91.84	99	2.4	16	45.3	162.7	200
	1/20/2004	99.12	NP	7.66	NP	91.46	NS	NS	NS	NS	NS	NS
	2/3/2004	99.12	NP	7.55	NP	91.57	NS	NS	NS	NS	NS	NS
	3/4/2004	99.12	NP	7.70	NP	91.42	190	ND	ND	51	241	400
	6/15/2004	99.12	NP	7.62	NP	91.50	100	7	48	18.8	173.8	1,900
	9/29/2004	99.12	NP	7.29	NP	91.83	31	1.7	21	11.2	64.9	180
	12/10/2004	99.12	NP	7.25	NP	91.87	35	ND	ND	ND	35	170
	3/10/2005	99.12	NP	7.52	NP	91.60	104	1.24	20.4	30.1	155.8	144
	6/3/2005	99.12	NP	7.57	NP	91.55	148	4.53	22.2	12.7	187.5	661
	9/23/2005	99.12	NP	8.24	NP	90.88	ND	ND	ND	ND	ND	352
	12/9/2005	99.12	NP	6.63	NP	92.49	15.8	1.3	11.2	17.5	45.8	43.3
	8/15/2006	99.12	NP	7.38	NP	91.74	158	1.1	10.2	3.0	172.3	338
	11/8/2006	99.12	NP	7.25	NP	91.87	59	<1.0	1.9	3.0	63.9	132
	2/22/2007	99.12	NP	7.73	NP	91.39	4.3	<1.0	<1.0	<3.0	4.3	56

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-4	6/21/1994	10.88	NP	10.54	NP	0.34	160	ND	ND	ND	160	130
	9/22/1994	10.88	NP	10.65	NP	0.23	2.2	5.9	12	38.3	58.4	9.7
	12/1/1994	10.88	NP	11.33	NP	-0.45	8.9	23	11	53	95.9	11
	3/2/1995	10.88	NP	11.39	NP	-0.51	ND	0.27	ND	ND	0.27	15
	6/5/1995	10.88	NP	11.52	NP	-0.64	ND	ND	ND	ND	ND	6.9
	9/19/1995	10.88	NP	NA	NP	NA	NS	NS	NS	NS	NS	NS
	12/12/1995	10.88	NP	11.04	NP	-0.16	ND	ND	1.6	4.1	5.7	7.5
	3/7/1996	10.88	NP	10.38	NP	0.50	ND	ND	ND	ND	ND	4.23
	6/6/1996	10.88	NP	9.91	NP	0.97	ND	ND	ND	ND	ND	0.74
	9/16/1996	10.88	NP	10.22	NP	0.66	ND	ND	ND	ND	ND	ND
	12/9/1996	10.88	NP	9.75	NP	1.13	ND	ND	ND	ND	ND	0.65
	3/4/1997	10.88	NP	9.93	NP	0.95	ND	ND	ND	ND	ND	11.5
	6/3/1997	10.88	NP	9.85	NP	1.03	ND	ND	ND	ND	ND	0.53
	9/10/1997	10.88	NP	10.07	NP	0.81	ND	ND	ND	ND	ND	3.84
	12/16/1997	10.88	NP	10.41	NP	0.47	ND	ND	ND	0.96	0.96	1
	3/11/1998	10.88	NP	9.96	NP	0.92	ND	ND	ND	ND	ND	ND
	6/16/1998	10.88	NP	9.54	NP	1.34	ND	ND	ND	ND	ND	ND
	9/18/1998	10.88	NP	10.00	NP	0.88	ND	ND	ND	ND	ND	ND
	3/23/1999	10.88	NP	11.10	NP	-0.22	ND	ND	ND	ND	ND	ND
	9/8/1999	10.88	NP	10.75	NP	0.13	ND	ND	ND	ND	ND	ND
	3/21/2000	10.88	NP	10.45	NP	0.43	ND	ND	ND	ND	ND	ND
	9/8/2000	10.88	NP	10.12	NP	0.76	ND	ND	ND	ND	ND	ND
	3/22/2001	10.88	NP	10.15	NP	0.73	2.8	71.3	17.5	91	182.6	1.6
	6/15/2001	10.88	NP	10.25	NP	0.63	ND	ND	ND	ND	ND	ND
	9/17/2001	10.88	NP	10.78	NP	0.10	ND	ND	ND	ND	ND	ND
	12/27/2001	10.88	NP	10.98	NP	-0.10	ND	ND	ND	ND	ND	4.6
	3/19/2002	10.88	NP	11.17	NP	-0.29	ND	ND	ND	ND	ND	ND
	5/6/2002	10.88	NP	11.07	NP	-0.19	NS	NS	NS	NS	NS	NS
	6/27/2002	10.88	NP	10.82	NP	0.06	ND	ND	ND	ND	ND	ND
	9/19/2002	10.88	NP	10.92	NP	-0.04	ND	ND	ND	ND	ND	ND
	12/2/2002	10.88	NP	10.38	NP	0.50	ND	ND	ND	ND	ND	ND
	3/4/2003	10.88	NP	10.30	NP	0.58	ND	ND	ND	ND	ND	3.4
	6/9/2003	10.88	NP	9.87	NP	1.01	ND	ND	ND	ND	ND	ND
	9/25/2003	101.25	NP	9.93	NP	91.32	ND	ND	ND	3.3	3.3	ND
	12/17/2003	101.25	NP	9.85	NP	91.40	ND	ND	ND	ND	ND	ND
	3/4/2004	101.25	NP	10.00	NP	91.25	ND	ND	ND	ND	ND	ND
	6/15/2004	101.25	NP	10.05	NP	91.20	ND	ND	ND	ND	ND	ND
	9/29/2004	101.25	NP	9.42	NP	91.83	ND	ND	ND	ND	ND	ND
	12/10/2004	101.25	NP	9.68	NP	91.57	ND	ND	ND	ND	ND	ND
	3/10/2005	101.25	NP	9.86	NP	91.39	ND	ND	ND	ND	ND	ND
	6/3/2005	101.25	NP	9.84	NP	91.41	ND	ND	ND	ND	ND	ND
	9/23/2005	101.25	NP	10.24	NP	91.01	ND	ND	ND	ND	ND	ND
	12/9/2005	101.25	NP	9.61	NP	91.64	ND	ND	ND	ND	ND	ND
	8/15/2006	101.25	NP	9.35	NP	91.90	ND	ND	ND	ND	ND	ND
	11/8/2006	101.25	NP	9.48	NP	91.77	<1.0	<1.0	<1.0	<1.0	ND	<1.0
	2/22/2007	101.25	NP	9.70	NP	91.55	<1.0	<1.0	<1.0	<3.0	ND	<1.0

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-5	7/21/2003	8.03	NP	7.22	NP	0.81	NS	NS	NS	NS	NS	NS
	9/25/2003	98.47	NP	7.31	NP	91.16	3,800	520	440	1,950	6,710	14,000
	12/17/2003	98.47	NP	6.75	NP	91.72	470	2,400	960	4,600	8,430	180
	3/4/2004	98.47	NP	7.40	NP	91.07	1,400	410	440	1,570	3,820	1,700
	6/15/2004	98.47	NP	7.46	NP	91.01	1,900	660	1,000	5,100	8,660	1,300
	9/29/2004	98.47	NP	6.90	NP	91.57	1,100	300	880	2,600	4,880	150
	12/10/2004	98.47	NP	7.08	NP	91.39	740	110	590	1,310	2,750	69
	3/10/2005	98.47	NP	7.23	NP	91.24	1,370	454	510	1,984	4,318	328
	6/3/2005	98.47	NP	7.20	NP	91.27	350	ND	134	209	693	119
	9/23/2005	98.47	NP	7.63	NP	90.84	123	18.8	163	424.6	729.4	40
	12/9/2005	98.47	NP	7.00	NP	91.47	168	2.9	127	200	497.9	45.1
	8/15/2006	NG	NG	NG	NG	NG	35.9	1.7	52.4	19.1	127.5	18.4
	11/8/2006	NG	NG	NG	NG	NG	NS	NS	NS	NS	NS	NS
	2/22/2007	NA	NP	7.10	NP	NA	<1.0	<1.0	<1.0	3.3	3.3	4.8
MW-6	7/21/2003	8.23	NP	7.50	NP	0.73	NS	NS	NS	NS	NS	NS
	9/25/2003	98.66	NP	7.51	NP	91.15	66	ND	8	ND	74	1,800
	12/17/2003	98.66	NP	7.27	NP	91.39	310	ND	ND	ND	310	630
	3/4/2004	98.66	NP	7.65	NP	91.01	26	ND	ND	ND	26	1,300
	6/15/2004	98.66	NP	7.68	NP	90.98	ND	ND	ND	ND	ND	1,100
	9/29/2004	98.66	NP	7.16	NP	91.50	6.9	ND	ND	ND	6.9	820
	12/10/2004	98.66	NP	7.28	NP	91.38	11	ND	ND	ND	11	780
	3/10/2005	98.66	NP	8.71	NP	89.95	6.91	1.14	1.21	ND	9.26	416
	6/3/2005	98.66	NP	7.48	NP	91.18	4.02	ND	ND	ND	ND	431
	9/23/2005	98.66	NP	7.85	NP	90.81	ND	ND	ND	ND	ND	274
	12/9/2005	98.66	NP	7.22	NP	91.44	0.86 J	ND	ND	ND	0.86 J	351
	8/15/2006	98.66	NP	7.06	NP	91.60	ND	ND	ND	ND	ND	336
	11/8/2006	98.66	NP	6.93	NP	91.73	<1.0	<1.0	<1.0	<1.0	ND	222
	2/22/2007	98.66	NP	7.33	NP	91.33	<1.0	<1.0	<1.0	<3.0	ND	140
MW-7	9/29/2004	98.42	NP	6.82	NP	91.60	ND	ND	ND	ND	ND	ND
	12/10/2004	98.42	NP	6.82	NP	91.60	ND	ND	ND	ND	ND	ND
	3/10/2005	98.42	NP	6.72	NP	91.70	ND	ND	ND	ND	ND	ND
	6/3/2005	98.42	NP	7.07	NP	91.35	ND	ND	ND	ND	ND	ND
	9/23/2005	98.42	NP	7.50	NP	90.92	ND	ND	ND	ND	ND	ND
	12/9/2005	98.42	NP	6.84	NP	91.58	ND	ND	ND	ND	ND	ND
	8/15/2006	98.42	NP	6.67	NP	91.75	ND	ND	ND	ND	ND	ND
	11/8/2006	98.42	NP	6.55	NP	91.87	<1.0	<1.0	<1.0	<1.0	ND	<1.0
	2/22/2007	98.42	NP	6.94	NP	91.48	<1.0	<1.0	<1.0	<3.0	ND	<1.0

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL TABLE
HESS STATION 32516
210 GREENPOINT AVENUE
BROOKLYN, NEW YORK

		GROUND WATER GAUGING DATA					GROUND WATER ANALYTICAL DATA					
Well I.D.	Date	TOC Elevation (ft)	Depth to LNAPL (ft)	Depth to Water (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC GWQS		NA	NA	NA	NA	NA	1	5	5	5	NGV	10
MW-8	9/29/2004	97.57	NP	4.91	NP	92.66	ND	ND	ND	ND	ND	ND
	12/10/2004	97.57	NP	5.35	NP	92.22	ND	1.4	3.8	12.7	17.9	1.3
	3/10/2005	97.57	NP	5.39	NP	92.18	ND	ND	ND	ND	ND	1.82
	6/3/2005	97.57	NP	6.43	NP	91.14	ND	ND	ND	ND	ND	ND
	9/23/2005	97.57	NP	6.75	NP	90.82	ND	ND	ND	ND	ND	ND
	12/9/2005	97.57	NP	5.85	NP	91.72	ND	ND	ND	ND	ND	ND
	8/15/2006	97.57	NP	5.03	NP	92.54	ND	ND	ND	ND	ND	ND
	11/8/2006	97.57	NP	5.05	NP	92.52	<1.0	<1.0	<1.0	<1.0	ND	<1.0
	2/22/2007	97.57	NP	6.23	NP	91.34	<1.0	<1.0	<1.0	<3.0	ND	<1.0

Gauging Notes:
NA - Not Analyzed
NG - Not Gauged
NP - LNAPL not present
NM - Not measured
LNAPL - Light non-aqueous phase liquid
TOC - Top of Casing
ft - Feet
* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
IU - Information unavailable
NS - Not sampled
NSVD - Not surveyed

Analytical Notes:
GWQS - New York State Dept. of Environmental Conservation Ground Water Quality Standards
Results in bold exceed applicable NYSDEC GWQS
µg/L - micrograms per liter
mg/L - milligrams per liter
°C - degrees celsius
MTBE - Methyl tert butyl ether
TBA - Tert butyl alcohol
< - Not detected at or above indicated laboratory reporting limit
NS - Not sampled
ND - Not detected
NGV - No guidance value
LNAPL - Light non-aqueous phase liquid
J - Estimated concentration above adjusted method detection limit and below adjusted reporting limit

Appendix A

Pace Analytical®

1241 Bellevue Street, Suite 9
Green Bay, WI 54302
920-469-2436, Fax: 920-469-8827

Analytical Report Number: 881110

Client: DELTA - HESS
Project Name: 32516
Project Number:

Lab Contact: Eric Bullock
Collected By: BOB GIMBEL
Report Serial No: 881110030520071417

Lab Sample Number	Field ID	Matrix	Collection Date
881110-001	MW-1_20070201	WATER	02/22/07 10:25
881110-002	MW-2_20070201	WATER	02/22/07 09:05
881110-003	MW-3_20070201	WATER	02/22/07 11:40
881110-004	MW-4_20070201	WATER	02/22/07 07:50
881110-005	MW-5_20070201	WATER	02/22/07 11:05
881110-006	MW-6_20070201	WATER	02/22/07 09:50
881110-007	MW-7_20070201	WATER	02/22/07 08:45
881110-008	MW-8_20070201	WATER	02/22/07 08:25

I certify that the data contained in this Final Report has been generated and reviewed in accordance with approved methods and Laboratory Standard Operating Procedure. Exceptions, if any, are discussed in the accompanying sample comments. Release of this final report is authorized by Laboratory management, as is verified by the following signature. This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc. The sample results relate only to the analytes of interest tested.

Approval Signature

3/07/07
Date

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-1_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-001

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene		9.7	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether		46	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p		2.6	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	103	64	132	1	%	03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	108	73	127	1	%	03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	110	68	122	1	%	03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-2_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-002

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	<	2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	103	64	132	1	%		03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	109	73	127	1	%		03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	109	68	122	1	%		03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-3_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-003

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene		4.3	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether		56	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	<	2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL						
4-Bromofluorobenzene	102	64	132	1	%		03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	104	73	127	1	%		03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	106	68	122	1	%		03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-4_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-004

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	<	2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Surrogate			LCL	UCL					
4-Bromofluorobenzene		102	64	132	1 %		03/01/07	SW846 5030B	SW846 8260B
Toluene-d8		108	73	127	1 %		03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane		108	68	122	1 %		03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-5_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-005

BTEX + MTBE Prep Date: 03/02/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	<	1.0	1.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether		4.8	1.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B
Xylene, m + p		3.3	2.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/02/07	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	100	64	132	1	%		03/02/07	SW846 5030B	SW846 8260B
Toluene-d8	105	73	127	1	%		03/02/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	106	68	122	1	%		03/02/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, Wi 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-6_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-006

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether		140	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	<	2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL					
4-Bromofluorobenzene	104	64	132	1	%	03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	106	73	127	1	%	03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	108	68	122	1	%	03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-7_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-007

BTEX + MTBE Prep Date: 03/01/07

Analyte	Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	< 1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	< 1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	< 1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	< 1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	< 2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	< 1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate		LCL	UCL					
4-Bromofluorobenzene	100	64	132	1	%	03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	102	73	127	1	%	03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	109	68	122	1	%	03/01/07	SW846 5030B	SW846 8260B

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436

Analytical Report Number: 881110

Client : DELTA - HESS
Project Name : 32516
Project Number :
Field ID : MW-8_20070201

Matrix Type : WATER
Collection Date : 02/22/07
Report Date : 03/05/07
Lab Sample Number : 881110-008

BTEX + MTBE Prep Date: 03/01/07

Analyte		Result	EQL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
Benzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Ethylbenzene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Methyl-tert-butyl-ether	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Toluene	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, m + p	<	2.0	2.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B
Xylene, o	<	1.0	1.0	1	ug/L		03/01/07	SW846 5030B	SW846 8260B

Surrogate	Result	LCL	UCL	Dilution	Units	Code	Anl Date	Prep Method	Anl Method
4-Bromofluorobenzene	100	64	132	1	%		03/01/07	SW846 5030B	SW846 8260B
Toluene-d8	106	73	127	1	%		03/01/07	SW846 5030B	SW846 8260B
Dibromofluoromethane	111	68	122	1	%		03/01/07	SW846 5030B	SW846 8260B

Qualifier Codes

Flag	Applies To	Explanation
A	Inorganic	Analyte is detected in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
B	Inorganic	The analyte has been detected between the method detection limit and the reporting limit.
B	Organic	Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
C	All	Elevated detection limit.
D	All	Analyte value from diluted analysis or surrogate result not applicable due to sample dilution.
E	Inorganic	Estimated concentration due to matrix interferences. During the metals analysis the serial dilution failed to meet the established control limits of 0-10%. The sample concentration is greater than 50 times the IDL for analysis done on the ICP or 100 times the IDL for analysis done on the ICP-MS. The result was flagged with the E qualifier to indicate that a physical interference was observed.
E	Organic	Analyte concentration exceeds calibration range.
F	Inorganic	Due to potential interferences for this analysis by Inductively Coupled Plasma techniques (SW-846 Method 6010), this analyte has been confirmed by and reported from an alternate method.
F	Organic	Surrogate results outside control criteria.
G	All	The result is estimated because the concentration is less than the lowest calibration standard concentration utilized in the initial calibration. The method detection limit is less than the reporting limit specified for this project.
H	All	Preservation, extraction or analysis performed past holding time.
HF	Inorganic	This test is considered a field parameter, and the recommended holding time is 15 minutes from collection. The analysis was performed in the laboratory beyond the recommended holding time.
J	All	Concentration detected equal to or greater than the method detection limit but less than the reporting limit.
K	Organic	Detection limit may be elevated due to the presence of an unrequested analyte.
L	All	Elevated detection limit due to low sample volume.
M	Organic	Sample pH was greater than 2
N	All	Spiked sample recovery not within control limits.
O	Organic	Sample received overweight.
P	Organic	The relative percent difference between the two columns for detected concentrations was greater than 40%.
Q	All	The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
S	Organic	The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
U	All	The analyte was not detected at or above the reporting limit.
V	All	Sample received with headspace.
W	All	A second aliquot of sample was analyzed from a container with headspace.
X	All	See Sample Narrative.
Z	Organics	This compound was separated in the check standard but it did not meet the resolution criteria as set forth in SW846.
&	All	Laboratory Control Spike recovery not within control limits.
*	All	Precision not within control limits.
+	Inorganic	The sample result is greater than four times the spike level: therefore, the percent recovery is not evaluated.
<	All	The analyte was not detected at or above the reporting limit.
1	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses passed QC based on precision criteria.
2	Inorganic	Dissolved analyte or filtered analyte greater than total analyte; analyses failed QC based on precision criteria.
3	Inorganic	BOD result is estimated due to the BOD blank exceeding the allowable oxygen depletion.
4	Inorganic	BOD duplicate precision not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
5	Inorganic	BOD result is estimated due to insufficient oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
6	Inorganic	BOD laboratory control sample not within control limits. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
7	Inorganic	BOD result is estimated due to complete oxygen depletion. Due to the 48 hour holding time for this test, it is not practical to reanalyze and try to correct the deficiency.
8	Inorganic	Sample was received unpreserved. Sample was preserved either at the time of receipt or at the time of sample preparation.
9	Inorganic	Sample was received with insufficient preservation. Acid was added either at the time of receipt or at the time of sample preparation.

Test Group Name	881110-001	881110-002	881110-003	881110-004	881110-005	881110-006	881110-007	881110-008
BTEX + MTBE	G	G	G	G	G	G	G	G

Code	NY Certification
G	NY-11887

Pace Analytical Services, Inc.

1241 Bellevue Street
Green Bay, WI 54302
920-469-2436
Fax: 920-469-8827

QC Summary

Batch: 881110
Lab Section: VOA
QC Batch Number: 18420
Prep Method: SW846 5030B
Analytical Method: SW846 8260B

QC Type	Client Sample ID	Lab Sample ID
MB	vog2131-62MB	vog2131-62MB
LCS	vog2131-62LCS	vog2131-62LCS
LCSD	vog2131-62LCSD	vog2131-62LCSD
MS	881106-011MS	881106-011MS
MSD	881106-011MSD	881106-011MSD

Client Sample ID	Lab Sample ID	MB ID
MW-1_20070201	881110-001	MB
MW-3_20070201	881110-003	MB
MW-5_20070201	881110-005	MB
MW-7_20070201	881110-007	MB

Client Sample ID	Lab Sample ID	MB ID
MW-2_20070201	881110-002	MB
MW-4_20070201	881110-004	MB
MW-6_20070201	881110-006	MB
MW-8_20070201	881110-008	MB

Test Name	Method Blank Result	Conc	LCS Spiked Conc	LCS Recovery Conc	%	C	LCSD Spiked Conc	LCSD Recovery Conc	%	C	LCS/LCSD RPD	%	C	LCS/LCSD Control Limits LCL %	UCL %	RPD %	Parent Sample Number	Parent Result	Conc	MS Spiked Conc	MS Recovery Conc	%	C	MSD Spiked Conc	MSD Recovery Conc	%	C	MS/MSD RPD	%	C	MS/MSD Control Limits LCL %	UCL %	RPD %
Methyl-tert-butyl-ether	<	1	0	—	—		—	—	—		—			—	—	—	—	—		—	—	—		—	—	—		—		—	—	—
Benzene	<	1	50.0	52.5	105		50.0	52.2	104		0.6			75	125	20	881106-011	<	0.41	50.0	51.4	103		50.0	52	104		1.2			70	130	30
Ethylbenzene	<	1	50.0	53.5	107		50.0	52.6	105		1.7			75	125	20	881106-011	<	0.54	50.0	47.6	95		50.0	46.5	93		2.3			70	136	30
Toluene	<	1	50.0	53.2	106		50.0	52.3	105		1.6			75	125	20	881106-011	<	0.67	50.0	48.6	97		50.0	46.8	94		3.7			70	130	30
Xylene, m + p	<	2	100	106.8	107		100	103.7	104		2.9			75	125	20	881106-011	<	1.8	100	79.5	80		100	77.5	78		2.5			70	137	30
Xylene, o	<	1	50.0	53.8	108		50.0	52.2	104		2.9			75	125	20	881106-011	<	0.83	50.0	40.7	81		50.0	40.3	81		1.0			70	130	30
4-Bromofluorobenzene		102%	—	—	102		—	—	103		—			64	132	—	881106-011		104%	—	—	102		—	—	101		—			64	132	—
Toluene-d8		106%	—	—	106		—	—	108		—			73	127	—	881106-011		106%	—	—	104		—	—	101		—			73	127	—
Dibromofluoromethane		109%	—	—	106		—	—	109		—			68	122	—	881106-011		109%	—	—	106		—	—	109		—			68	122	—

Conc = ug/L unless otherwise noted
C = QC Code, see Qualifer Sheet
Parent Result is reported down to MDL in order to allow Validation of this worksheet
The %R and RPD results are calculated from raw data values with more significant figures than are reported on this form.

Report Date: 3/7/2007
QC Batch Number: 18420

Sample Condition Upon Receipt

Pace Analytical

Client Name: Delta Project # 881116

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace Other _____

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used: JB Type of Ice: ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 2.0 Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: LM 2-24-07

Temp should be above freezing to 6°C

		Comments:
Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WG		
All containers needing preservation have been checked.	☐Yes ☐No ☒N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	☐Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☒No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16. * Trip Blank added on COC by lab LM 2-24-07
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: RB 2/26/07 **Date:** _____

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

http://ehs6.intelligentehs.com/Bottle Orders/Document Library/20070201.32516.GW.BO

HESS CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed and accurate.

Page: 1 of 1
Cooler # ____ of ____

DELTA

Pace Analytical™ www.pacelabs.com

Required Ship to Lab:

Lab Name:	Pace Analytical Services, Inc.
Address:	1241 Bellevue Street Green Bay WI 54302
Lab PM:	Eric Bullock
Phone/Fax:	P: 920-469-2436 F:
Lab PM email	Eric.Bullock@pacelabs.com
Applicable Lab Quote #:	

Required Project Information:

Hess Site ID #:	32516
Delta project #:	
Site Address:	210 Greenpoint Avenue
City:	Brooklyn
State:	NY
Delta PM Name:	Timothy Fisher
Phone/Fax:	P: 914-303-4607 F: 914-765-0250
Delta PM Email:	tfisher@deltaenv.com

Required Invoice Information:

Send Invoice to:	Staci Krantz
Address:	84 Business Park Drive, Suite 107
City/State	Armonk NY 10504
Phone #:	914-765-8805
Reimbursement project?	
Non-reimbursement project?	Y
Mark one	
Send EDD to	hessdata@intelligentehs.com
CC Hardcopy report to	skrantz@deltaenv.com
CC Hardcopy report to	

TAT: Standard 14 day	Y	Rush	Mark One
If Rush, Date due			
QC level Required: Standard		Special	Mark one
NJ Reduced Deliverable Package?			
MA MCP Cert?		CT RCP Cert?	Mark One
Lab Project ID (lab use)			

Valid Matrix Codes: MATRIX — DRINKING WATER WP; GROUND WATER WG; WASTE WATER WW; FREE PRODUCT LF; SOIL SO; OIL OL; WIPE SW; AMBIENT AIR AA; SOIL GAS GS; WATER W; SURFACE WATER SW; WATER QC WQ; SLUDGE SL; RINSATE RT; OTHER OT; ANIMAL TISSUE AT

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE)		MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	SAMPLE DATE	SAMPLE TIME	#OF CONTAINERS	FIELD FILTERED? (Y/N)	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analyses: 8260BlexMtbe	Comments/Lab Sample I.D.
1	MW-1_20070201	001	WG	G	2/22/07	10:25 Am	3					X					X	881110 3-40mL
2	MW-2_20070201	002	WG			9:05 Am						X					X	
3	MW-3_20070201	003	WG			11:40 Am						X					X	
4	MW-4_20070201	004	WG			7:50 Am						X					X	
5	MW-5_20070201	005	WG			11:35 Am						X					X	
6	MW-6_20070201	006	WG			9:50 Am						X					X	
7	MW-7_20070201	007	WG			8:45 Am						X					X	
8	MW-8_20070201	008	WG			8:25 Am						X					X	1-40ml B
9	Trip Blank*	009																
10																		
11																		
12																		

Additional Comments/Special Instructions:
* Trip Blank added on COC by lab LM 2-24-07

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
[illegible]	2-23	15:00	Fed Ex		
Fed Ex	2-24	0930	LeAnn Markham	2-24	0930

Sample Receipt Conditions			
	Y/N	Y/N	Y/N
2.0	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Samples on Ice?	Sample intact?	Trip Blank

SHIPPING METHOD: (mark as appropriate) UPS COURIER FEDEX US MAIL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Bob Gimber

SIGNATURE of SAMPLER:

DATE Signed: 2-23

Time: 15:00

Final 11/13/06. AMTait

Inogen Environmental Alliance