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April 27, 2012

Mrs. Rui Jun Feng
NYSDEC Region 2
Hunters Point Plaza
47-40 21st Street – 2nd Floor
Long Island City, NY 11101-5401

**Re: Ground Water Monitoring Report – First Quarter 2012
NYSDEC Spill Number 97-13442
BP Station Number 03887
164 4th Ave.
Brooklyn, Kings County, New York**

Dear Mrs. Feng:

Antea Group has prepared the enclosed Ground Water Monitoring Report on behalf of Atlantic Richfield Company (Atlantic Richfield), a BP-affiliated company. The report details ground water monitoring results from the above-referenced work site. Ground water samples were collected on February 14, 2012.

The site is on a quarterly monitoring schedule. The next sampling event is scheduled for the month of May 2012.

Should you have any questions or comments, please do not hesitate to contact me at 914.495.9937.

Sincerely,
Antea Group



Christopher Meyer
Senior Project Manager

Encl. Ground Water Monitoring Report – First Quarter 2012

Cc: Nicholas Onufrak - Atlantic Richfield Company

BP STATION NUMBER 03887 GROUND WATER MONITORING REPORT (First Quarter 2012)

Prepared For: Atlantic Richfield Company
Prepared By: Antea Group
Report Date: 4/27/2012

GROUND WATER GAUGING AND SAMPLING METHODS

During this ground water monitoring event, the monitoring wells were gauged for depth to ground water and for the presence of light non-aqueous phase liquid (LNAPL). The depth to ground water and presence of LNAPL, if any, were gauged using an oil/water interface probe capable of measuring to the nearest 0.01 foot. The ground water level measurements were converted to ground water elevations using top of monitoring well casing elevations. Top of casing elevations were referenced to an arbitrary, on-site datum. Ground water elevations were corrected for the presence of LNAPL, as appropriate, using a reference value for LNAPL specific gravity of 0.75.

Prior to sampling, the volume of water contained within each monitoring well was calculated using the well diameter and water column height. Whenever possible, a volume of ground water equivalent to at least three well volumes was purged from each monitoring well using a disposable polyethylene bailer and/or a mechanical pump with dedicated polyethylene tubing. Dedicated polyethylene bailers were used to collect the ground water samples. The samples were poured from the bailers into dedicated laboratory-supplied glassware. The glassware was then placed into a cooler and maintained at a temperature of less than 4-degrees Celsius during transportation to the laboratory.

The ground water samples were forwarded with a trip blank and under chain-of-custody procedures to Eurofins Lancaster Laboratories (Lancaster) of Lancaster, Pennsylvania. Lancaster is a New York State Department of Health-certified laboratory (Certification Number 10670). The ground water samples were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tertiary-butyl ether (MTBE) in accordance with United States Environmental Protection Agency (USEPA) Method 8260.

GROUND WATER GAUGING AND SAMPLING RESULTS

The location of the subject site is shown on the Site Location Map, Figure 1. Data collected during well gauging activities is summarized in Table 1, while ground water elevation contours calculated using the corrected water level elevations are illustrated in Figure 2. Hydrographs depicting historical ground water elevation data for representative monitoring wells are included in Figure 3.

Ground water analytical results from the samples collected during this reporting period are summarized in Table 1 and plotted on Figure 2. The laboratory analytical report is provided as Appendix A. Historical ground water analytical data are also provided in Table 1 for reference, and concentration trends for selected wells are depicted on Figure 3.

CONCLUSIONS AND RECOMMENDATIONS

Concentrations of BTEX and MTBE in excess of applicable TOGS WQS (Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values) were detected in ground water samples collected during this ground water monitoring event. Antea Group intends to continue ground water monitoring at the subject site.

ATTACHMENTS

Figures: Figure 1 Site Location Map
 Figure 2 Site Ground Water Contour/Analyte Concentration Map
 Figure 3 Ground Water Elevation Trend Chart

Tables: Table 1 Ground Water Gauging and Analytical Data

Appendices: Appendix A Laboratory Analytical Results Report – February 14, 2012

LIMITATIONS

The recommendations contained in this report represent Antea Group's professional opinions based upon 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 Antea Group 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 Antea Group's Client and anyone else specifically listed on this report. Antea Group will not and cannot be liable for unauthorized reliance by any other party. Other than as contained in this paragraph, Antea Group makes no express or implied warranty as to the contents of this report.

Prepared by:



Mara Grislis
Staff Professional

Reviewed by:



Christopher Meyer
Senior Project Manager

Figures



MAP BASED ON USGS 7.5 MINUTES SERIES TOPOGRAPHIC MAP
 BROOKLYN, NEW YORK QUADRANGLE
 DATE: 1967 REVISED 1979

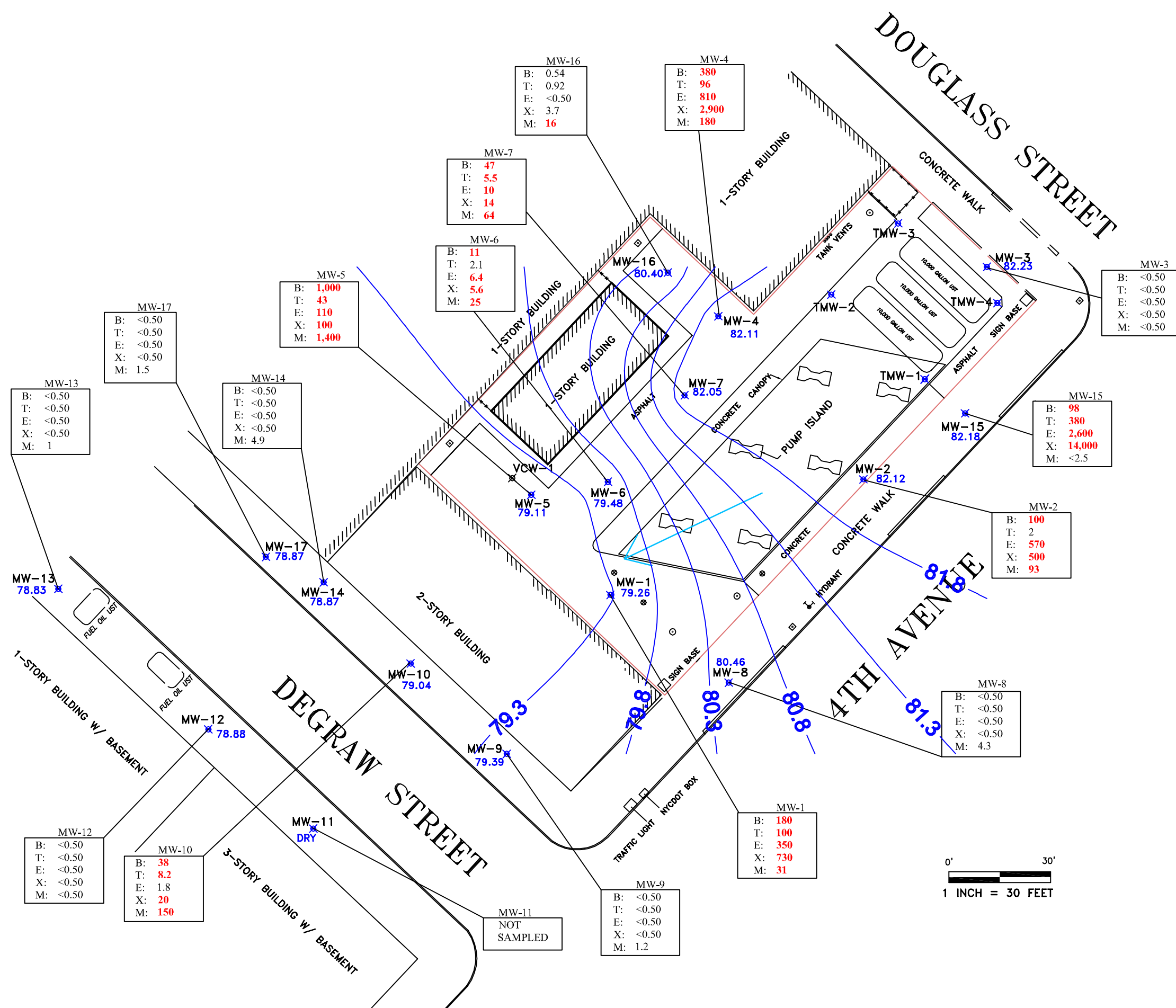
FIGURE 1

SITE LOCATION MAP

BP SERVICE STATION NUMBER 3887
 164 4TH AVENUE
 BROOKLYN, NEW YORK

PROJECT NO.: G02JF-RP50	DRAWN BY: SCJ
PREPARED BY: DS	DATE: 2/21/05
FILE NAME: SLOC	REVIEWED BY: PZM





- LEGEND:**
- MW-1 MONITORING WELL LOCATION
 - VAPOR CLUSTER WELL LOCATION
 - FENCE
 - PROPERTY LINE
 - MANHOLE
 - LIGHT POLE
 - DRAIN

B: BENZENE
 E: ETHYLBENZENE
 T: TOLUENE
 X: XYLENES
 M: METHYL TERTIARY-BUTYL ETHER (MTBE)

CONCENTRATIONS REPORTED IN MICROGRAMS PER LITER $\mu\text{g/L}$
 VALUES BOLDED IN RED ARE IN EXCESS OF NYSDEC TOGS WQS

- 79.90 GROUND WATER ELEVATION (FT)
- INFERRED DIRECTION OF GROUND WATER FLOW
- GROUND WATER ELEVATION CONTOUR LINE (FT)
- NI NOT INCLUDED IN CONTOUR MAP
- NM NOT MEASURED

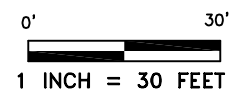


FIGURE 2
 SITE GROUND WATER CONTOUR/ANALYTE
 CONCENTRATION MAP (FEBRUARY 14, 2012)

BP STATION NUMBER 03887
 164 4TH AVENUE
 BROOKLYN, NEW YORK

PROJECT NO.: 03887	DRAWN BY: -/LKO
REVIEWED BY: MG	DATE: 4/9/2012
FILE NAME: 03887_1Q12	



MW-16
 B: 0.54
 T: 0.92
 E: <0.50
 X: 3.7
 M: 16

MW-4
 B: **380**
 T: **96**
 E: **810**
 X: **2,900**
 M: **180**

MW-7
 B: **47**
 T: **5.5**
 E: **10**
 X: **14**
 M: **64**

MW-6
 B: **11**
 T: 2.1
 E: **6.4**
 X: **5.6**
 M: **25**

MW-5
 B: **1,000**
 T: **43**
 E: **110**
 X: **100**
 M: **1,400**

MW-17
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: 1.5

MW-13
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: 1

MW-14
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: 4.9

MW-3
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: <0.50

MW-15
 B: **98**
 T: **380**
 E: **2,600**
 X: **14,000**
 M: <2.5

MW-2
 B: **100**
 T: 2
 E: **570**
 X: **500**
 M: **93**

MW-8
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: 4.3

MW-1
 B: **180**
 T: **100**
 E: **350**
 X: **730**
 M: **31**

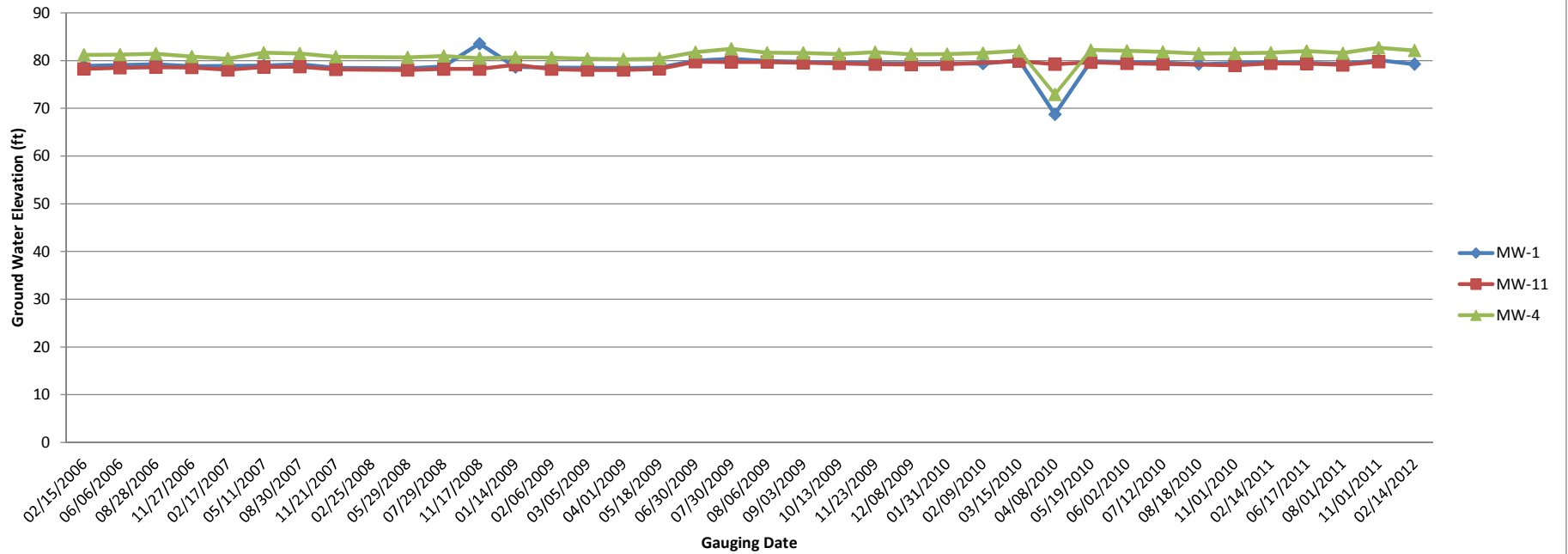
MW-9
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: 1.2

MW-11
 NOT SAMPLED

MW-10
 B: **38**
 T: **8.2**
 E: 1.8
 X: **20**
 M: **150**

MW-12
 B: <0.50
 T: <0.50
 E: <0.50
 X: <0.50
 M: <0.50

Figure 3
GROUND WATER HYDROGRAPH
BP Station Number 03887
164 4th Avenue
Brooklyn, NY



Tables

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-1	06/28/2000	98.07	20.37	NP	NP	77.7		103.0	289	287	1,330	2,009	1,430
MW-1	09/10/2001	98.07	20.47	NP	NP	77.6		129	254	253	989	1,625	594
MW-1	02/27/2002	98.07	20.84	NP	NP	77.23		76.8	163	226	701	1,167	296
MW-1	08/08/2002	98.07	20.50	NP	NP	77.57		60.6	89	123	444	717	229
MW-1	12/04/2002	98.07	20.36	NP	NP	77.71		165	197	278	886	1,526	554
MW-1	03/26/2003	98.07	19.99	NP	NP	78.08		115	161	285	779	1,340	624
MW-1	05/15/2003	98.07	20.01	NP	NP	78.06		127	223	325	1,050	1,725	647
MW-1	09/04/2003	98.07	18.96	NP	NP	79.11		76.7	96.2	138	403	714	309
MW-1	12/17/2003	98.07	18.96	NP	NP	79.11		70.0	127	185	542	924	114
MW-1	02/11/2004	98.07	19.44	NP	NP	78.63		75.5	115	250	716	1,157	156
MW-1	05/18/2004	98.07	19.40	NP	NP	78.67		52.6	76.8	197	540	866	70.8
MW-1	08/18/2004	98.07	18.78	NP	NP	79.29		64.1	94.2	229	787	1,174	206
MW-1	11/23/2004	98.07	19.43	NP	NP	78.64		85.6	80.1	215	481	862	166
MW-1	02/15/2005	98.07	19.51	NP	NP	78.56		79.3	80.6	213	442	815	159
MW-1	05/12/2005	98.07	19.51	NP	NP	78.56		Gauged Only					
MW-1	05/27/2005	98.07	Sampled Only					89.3	80.2	260	539	969	248
MW-1	09/07/2005	98.07	19.73	NP	NP	78.34		80.7	49.0	156	265	551	254
MW-1	11/15/2005	98.07	19.11	NP	NP	78.96		530	2,850	297	801	4,478	291
MW-1	02/15/2006	98.07	19.16	NP	NP	78.91		658	3,770	613	1,910	6,951	73.0
MW-1	06/06/2006	98.07	19.02	NP	NP	79.05		682	1,990	712	2,280	5,664	49.3
MW-1	08/28/2006	98.07	18.83	NP	NP	79.24		703	1,620	842	2,490	5,655	42.9

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-1	11/27/2006	98.07	19.23	NP	NP	78.84		379	261	388	350	1,378	118
MW-1	02/17/2007	98.07	No Access					No Access					
MW-1	05/11/2007	98.07	19.11	NP	NP	78.96		241	118	218	126	703	87.9
MW-1	08/30/2007	98.07	18.83	NP	NP	79.24		19.2	5.3	4.8	19.7	49.0	58.5
MW-1	11/21/2007	98.07	19.58	NP	NP	78.49		42.4	8.7	22.7	32.5	106	51.6
MW-1	02/25/2008	98.07	No Access					No Access					
MW-1	05/29/2008	98.07	19.71	NP	NP	78.36		200	47	260	350	857	120
MW-1	07/29/2008	98.07	19.31	NP	NP	78.76		120	40	150	100	410	170
MW-1	11/17/2008	98.07	14.53	NP	NP	83.54		140	190	210	370	910	74
MW-1	01/14/2009	98.07	19.44	NP	NP	78.63		Gauged Only					
MW-1	02/06/2009	98.07	19.50	NP	NP	78.57		170	190	330	790	1,480	45
MW-1	03/05/2009	98.07	No Access- Snow Cover					Gauged Only					
MW-1	04/01/2009	98.07	19.63	NP	NP	78.44		Gauged Only					
MW-1	05/18/2009	98.07	19.52	NP	NP	78.55		240	46	390	580	1,256	52
MW-1	06/30/2009	99.14	19.14	NP	NP	80.00		Gauged Only					
MW-1	07/30/2009	99.14	18.76	NP	NP	80.38		Gauged Only					
MW-1	08/06/2009	99.14	19.24	NP	NP	79.90		180	29	270	190	669	92
MW-1	09/03/2009	99.14	19.39	NP	NP	79.75		Gauged Only					
MW-1	10/13/2009	99.14	19.54	NP	NP	79.60		Gauged Only					
MW-1	11/23/2009	99.14	19.69	NP	NP	79.45		300	58	380	300	1,038	470
MW-1	12/08/2009	99.14	19.76	NP	NP	79.38		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-1	01/31/2010	99.14	19.71	NP	NP	79.43		Gauged Only					
MW-1	02/09/2010	99.14	19.80	NP	NP	79.34		260	57	390	450	1,157	340
MW-1	03/15/2010	99.14	19.06	NP	NP	80.08		210	140	520	850	1,720	66
MW-1	04/08/2010	99.14	30.41	NP	NP	68.73		Gauged Only					
MW-1	05/19/2010	99.14	19.26	NP	NP	79.88		1.1	0.62 J	0.58 J	0.83 J	3.13	7.9
MW-1	06/02/2010	99.14	19.42	NP	NP	79.72		Gauged Only					
MW-1	07/12/2010	99.14	19.57	NP	NP	79.57		Gauged Only					
MW-1	08/18/2010	99.14	19.88	NP	NP	79.26		140	56	120	110	426	680
MW-1	11/01/2010	99.14	19.70	NP	NP	79.44		180	420	350	530	1,480	70
MW-1	02/14/2011	99.14	19.52	NP	NP	79.62		240	590	400	1,000	2,230	130
MW-1	06/17/2011	99.14	19.60	NP	NP	79.54	5.25**	210	170	360	890	1,630	58
MW-1	08/01/2011	99.14	19.83	NP	NP	79.31	5.25**	180	110	290	660	1,240	61
MW-1	11/01/2011	99.14	19.05	NP	NP	80.09	5.55	210	190	400	980	1,780	54
MW-1	02/14/2012	99.14	19.88	NP	NP	79.26	5.00	180	100	350	730	1,360	31
MW-2	06/28/2000	97.86	18.13	NP	NP	79.73		147	61.7	302	1,140	1,651	125
MW-2	04/02/2001	97.86	17.85	NP	NP	80.01		32.7	72.1	48.4	63.8	217	33.2
MW-2	09/10/2001	97.86	17.99	NP	NP	79.87		26.7	3.09	50.4	142	222	29.7
MW-2	02/27/2002	97.86	18.65	NP	NP	79.21		364	19.6	946	1,890	3,220	299
MW-2	05/10/2002	97.86	19.04	18.63	0.41	79.13		Not Sampled - LNAPL (0.41 ft)					
MW-2	08/08/2002	97.86	19.39	18.73	0.66	78.97		Not Sampled - LNAPL (0.66 ft)					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-2	12/04/2002	97.86	18.62	18.20	0.42	79.56		Not Sampled - LNAPL (0.42 ft)					
MW-2	03/26/2003	97.86	18.60	18.22	0.38	79.55		Not Sampled - LNAPL (0.38 ft)					
MW-2	05/15/2003	97.86	18.71	18.25	0.46	79.50		Not Sampled - LNAPL (0.46 ft)					
MW-2	09/04/2003	97.86	17.48	17.31	0.17	80.51		Not Sampled - LNAPL (0.17 ft)					
MW-2	12/17/2003	97.86	17.80	17.79	0.01	80.07		581	104	9,570	34,500	44,755	521
MW-2	02/11/2004	97.86	17.98	NP	NP	79.88		577	76.0	3,270	10,900	14,823	720
MW-2	05/18/2004	97.86	17.81	17.74	0.07	80.10		Not Sampled - LNAPL (0.07 ft)					
MW-2	08/18/2004	97.86	17.02	NP	NP	80.84		438	27.2	1,460	3,480	5,405	411
MW-2	11/23/2004	97.86	17.33	17.31	0.02	80.55		Not Sampled - LNAPL (0.02 ft)					
MW-2	02/15/2005	97.86	17.11	NP	NP	80.75		222	13.2 J	2,280	6,370	8,885	77.8
MW-2	05/12/2005	97.86	16.98	NP	NP	80.88		Gauged Only					
MW-2	05/27/2005	97.86	Sampled Only					146	4.7	778	1,810	2,739	133
MW-2	09/07/2005	97.86	17.33	NP	NP	80.53		254	7.3	1,120	2,660	4,041	213
MW-2	11/15/2005	97.86	16.77	NP	NP	81.09		487	14.5	1,420	4,130	6,052	386
MW-2	02/15/2006	97.86	16.65	NP	NP	81.21		607	34.3	3,470	8,420	12,531	658
MW-2	06/06/2006	97.86	16.58	NP	NP	81.28		388	12.2	1,500	3,710	5,610	311
MW-2	08/28/2006	97.86	16.42	NP	NP	81.44		305	13.4	1,520	3,820	5,658	308
MW-2	11/27/2006	97.86	17.00	17.00	Sheen	80.86		193	6.8	1,050	1,790	3,040	241
MW-2	02/17/2007	97.86	17.52	17.44	0.08	80.40		Not Sampled - LNAPL (0.08 ft)					
MW-2	05/11/2007	97.86	16.23	NP	NP	81.63		87.1	2.8	728	1,310	2,128	53.0
MW-2	08/30/2007	97.86	16.83	NP	NP	81.03		146	6.4 J	786	1,320	2,258	239

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-2	11/21/2007	97.86	17.14	NP	NP	80.72		Not Sampled - Product Present					
MW-2	02/25/2008	97.86	17.95	NP	NP	79.91		200	<10	1,200	1,100	2,500	150
MW-2	05/29/2008	97.86	17.14	NP	NP	80.72		250	<5.0	450	330	1,030	220
MW-2	07/29/2008	97.86	16.95	NP	NP	80.91		68	<0.50	64	59	191	48
MW-2	11/17/2008	97.86	17.39	17.36	0.03	80.49		180	<2.5	590	400	1,170	160
MW-2	01/14/2009	97.86	17.16	NP	NP	80.70		Gauged Only					
MW-2	02/06/2009	97.86	17.26	NP	NP	80.60		230	4.1 J	740	1,600	2,574	280
MW-2	03/05/2009	97.86	17.49	17.46	0.03	80.39		Gauged Only					
MW-2	04/01/2009	97.86	17.61	17.57	0.04	80.28		Gauged Only					
MW-2	05/18/2009	97.86	17.51	17.47	0.04	80.38		Not Sampled - LNAPL (0.04 ft)					
MW-2	06/30/2009	98.97	17.16	NP	NP	81.81		Gauged Only					
MW-2	07/30/2009	98.97	17.85	NP	NP	81.12		Gauged Only					
MW-2	08/06/2009	98.97	17.31	NP	NP	81.66		210	4.8	750	960	1,925	250
MW-2	09/03/2009	98.97	17.38	NP	NP	81.59		Gauged Only					
MW-2	10/13/2009	98.97	17.58	17.57	0.01	81.40		Gauged Only					
MW-2	11/23/2009	98.97	17.69	NP	NP	81.28		200	3.8	610	600	1,414	130
MW-2	12/08/2009	98.97	17.64	NP	NP	81.33		Gauged Only					
MW-2	01/31/2010	98.97	17.57	NP	NP	81.40		Gauged Only					
MW-2	02/09/2010	98.97	17.59	NP	NP	81.38		140	3.1	440	340	923	87
MW-2	03/15/2010	98.97	16.89	NP	NP	82.08		130	2.2	230	68	430	61
MW-2	04/08/2010	98.97	28.67	NP	NP	70.30		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-2	05/19/2010	98.97	16.72	NP	NP	82.25		160	2.6	520	350	1,033	120
MW-2	06/02/2010	98.97	16.89	NP	NP	82.08		Gauged Only					
MW-2	07/12/2010	98.97	17.13	NP	NP	81.84		Gauged Only					
MW-2	08/18/2010	98.97	17.46	NP	NP	81.51		120	2.9 J	880	1,400	2,403	110
MW-2	11/01/2010	98.97	17.45	NP	NP	81.52		110	2.7	880	1,200	2,193	85
MW-2	02/14/2011	98.97	17.32	NP	NP	81.65		99	2.7 J	400	480	982	74
MW-2	06/17/2011	98.97	16.96	NP	NP	82.01	5.25**	94	<5.0	650	720	1,464	87
MW-2	08/01/2011	98.97	17.38	NP	NP	81.59	5.00**	110	2.3 J	570	530	1,212	110
MW-2	11/01/2011	98.97	16.26	NP	NP	82.71	5.50	76	<2.5	580	460	1,116	77
MW-2	02/14/2012	98.97	16.85	NP	NP	82.12	5.25	100	2	570	500	1,172	93
MW-3	06/28/2000	97.91	18.26	NP	NP	79.65		<0.5	<0.5	<0.5	52.6	52.6	7.23
MW-3	04/02/2001	97.91	17.86	NP	NP	80.05		8.8	73	11.40	47.80	141	17.2
MW-3	09/10/2001	97.91	18.01	NP	NP	79.9		<0.5	<0.5	<0.5	<0.5	ND	28.7
MW-3	02/27/2002	97.91	18.65	NP	NP	79.26		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	05/10/2002	97.91	18.72	NP	NP	79.19		<0.5	0.875	1.08	7.97	9.93	<10
MW-3	08/08/2002	97.91	18.87	NP	NP	79.04		<0.5	<0.5	<0.5	<0.5	ND	<10
MW-3	12/04/2002	97.91	18.29	NP	NP	79.62		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	03/26/2003	97.91	18.30	NP	NP	79.61		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	05/15/2003	97.91	18.34	NP	NP	79.57		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	09/04/2003	97.91	17.33	NP	NP	80.58		<1.0	<1.0	<1.0	<1.0	ND	0.48

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-3	12/17/2003	97.91	17.81	NP	NP	80.10		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	02/11/2004	97.91	18.02	NP	NP	79.89		<1.0	<1.0	<1.0	<1.0	ND	0.79
MW-3	05/18/2004	97.91	17.77	NP	NP	80.14		<1.0	<1.0	<1.0	<1.0	ND	ND
MW-3	08/18/2004	97.91	16.98	NP	NP	80.93		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	11/23/2004	97.91	17.33	NP	NP	80.58		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	02/15/2005	97.91	17.13	NP	NP	80.78		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	05/12/2005	97.91	16.92	NP	NP	80.99		Gauged Only					
MW-3	05/27/2005	97.91	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	09/07/2005	97.91	17.31	NP	NP	80.60		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	11/15/2005	97.91	16.80	NP	NP	81.11		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	02/15/2006	97.91	16.72	NP	NP	81.19		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	06/06/2006	97.91	16.59	NP	NP	81.32		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	08/28/2006	97.91	16.46	NP	NP	81.45		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	11/27/2006	97.91	16.99	NP	NP	80.92		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	02/17/2007	97.91	17.46	NP	NP	80.45		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	05/11/2007	97.91	16.19	NP	NP	81.72		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	08/30/2007	97.91	16.37	NP	NP	81.54		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	11/21/2007	97.91	17.12	NP	NP	80.79		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-3	02/25/2008	97.91	16.95	NP	NP	80.96		<0.50	<0.50	<0.50	1.0 J	1.0	<0.50
MW-3	05/29/2008	97.91	17.15	NP	NP	80.76		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	07/29/2008	97.91	16.93	NP	NP	80.98		<0.50	<0.50	<0.50	<0.50	ND	<0.50

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-3	11/17/2008	97.91	17.84	NP	NP	80.07		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	01/14/2009	97.91	17.22	NP	NP	80.69		Gauged Only					
MW-3	02/06/2009	97.91	17.27	NP	NP	80.64		<0.50	0.55 J	<0.50	0.82 J	1.37	<0.50
MW-3	03/05/2009	97.91	17.51	NP	NP	80.40		Gauged Only					
MW-3	04/01/2009	97.91	17.63	NP	NP	80.28		Gauged Only					
MW-3	05/18/2009	97.91	17.45	NP	NP	80.46		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	06/30/2009	99.03	17.19	NP	NP	81.84		Gauged Only					
MW-3	07/30/2009	99.03	16.36	NP	NP	82.67		Gauged Only					
MW-3	08/06/2009	99.03	17.30	NP	NP	81.73		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	09/03/2009	99.03	17.40	NP	NP	81.63		Gauged Only					
MW-3	10/13/2009	99.03	17.59	NP	NP	81.44		Gauged Only					
MW-3	11/23/2009	99.03	17.66	NP	NP	81.37		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	12/08/2009	99.03	17.54	NP	NP	81.49		Gauged Only					
MW-3	01/31/2010	99.03	17.57	NP	NP	81.46		Gauged Only					
MW-3	02/09/2010	99.03	17.61	NP	NP	81.42		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	03/15/2010	99.03	16.84	NP	NP	82.19		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	04/08/2010	99.03	31.58	NP	NP	67.45		Gauged Only					
MW-3	05/19/2010	99.03	16.74	NP	NP	82.29		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	06/02/2010	99.03	16.88	NP	NP	82.15		Gauged Only					
MW-3	07/12/2010	99.03	17.15	NP	NP	81.88		Gauged Only					
MW-3	08/18/2010	99.03	18.47	NP	NP	80.56		<0.50	<0.50	<0.50	<0.50	ND	<0.50

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-3	11/01/2010	99.03	17.42	NP	NP	81.61		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	02/14/2011	99.03	17.29	NP	NP	81.74		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	06/17/2011	99.03	16.89	NP	NP	82.14	7.00**	<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	08/01/2011	99.03	17.30	NP	NP	81.73	7.00**	<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-3	11/01/2011	99.03	16.15	NP	NP	82.88	7.50	15	<0.50	<0.50	<0.50	15.0	5.7
MW-3	02/14/2012	99.03	16.8	NP	NP	82.23	7.00	<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-4	04/02/2001	98.61	18.60	NP	NP	80.01		1,190	7,050	228	3,330	11,798	7,030
MW-4	09/10/2001	98.61	18.72	NP	NP	79.89		102	221	41.4	218	582	1,070
MW-4	02/27/2002	98.61	19.51	NP	NP	79.10		1,440	817	468	1,860	4,585	9,320
MW-4	05/10/2002	98.61	19.44	NP	NP	79.17		1,530	8,370	1,240	6,550	17,690	5,370
MW-4	08/08/2002	98.61	19.44	19.39	0.05	79.21		Not Sampled - LNAPL (0.05 ft)					
MW-4	12/04/2002	98.61	19.32	18.95	0.37	79.57		Not Sampled - LNAPL (0.37 ft)					
MW-4	03/26/2003	98.61	19.25	18.96	0.29	79.58		Not Sampled - LNAPL (0.29 ft)					
MW-4	05/15/2003	98.61	19.37	18.98	0.39	79.53		Not Sampled - LNAPL (0.39 ft)					
MW-4	09/04/2003	98.61	18.06	NP	NP	80.55		81.5	273	101	443	899	10.3
MW-4	12/17/2003	98.61	18.57	NP	NP	80.04		1,660	13,600	4,750	24,700	44,710	212
MW-4	02/11/2004	98.61	18.78	NP	NP	79.83		1,300	2,000	1,050	4,350	8,700	127
MW-4	05/18/2004	98.61	18.50	NP	NP	80.11		608	922	657	2,610	4,797	55.0
MW-4	08/18/2004	98.61	17.75	NP	NP	80.86		1,390	4,830	1,850	8,970	17,040	142
MW-4	11/23/2004	98.61	18.04	NP	NP	80.57		1,330	3,710	1,660	6,660	13,360	158

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-4	02/15/2005	98.61	17.88	NP	NP	80.73		1,260	4,280	1,880	8,970	16,390	131
MW-4	05/12/2005	98.61	17.68	NP	NP	80.93		Gauged Only					
MW-4	05/27/2005	98.61	Sampled Only					430	2,050	1,010	4,700	8,190	39.4
MW-4	09/07/2005	98.61	18.07	NP	NP	80.54		387	1,430	880	3,150	5,847	51.0
MW-4	11/15/2005	98.61	17.56	NP	NP	81.05		936	5,660	1,800	9,520	17,916	119
MW-4	02/15/2006	98.61	17.41	NP	NP	81.20		1,080	4,210	1,310	6,250	12,850	98.3
MW-4	06/06/2006	98.61	17.36	NP	NP	81.25		987	3,760	1,790	8,670	15,207	82.0
MW-4	08/28/2006	98.61	17.18	NP	NP	81.43		1,610	4,170	1,680	6,790	14,250	121
MW-4	11/27/2006	98.61	17.75	NP	NP	80.86		1,040	1,220	906	3,200	6,366	145
MW-4	02/17/2007	98.61	18.20	NP	NP	80.41		1,400	282	501	1,460	3,643	50.4
MW-4	05/11/2007	98.61	16.97	NP	NP	81.64		730	834	464	1,360	3,388	33.6
MW-4	08/30/2007	98.61	17.12	NP	NP	81.49		805	484	847	3,000	5,136	265
MW-4	11/21/2007	98.61	17.81	NP	NP	80.80		1,270	749	1,390	5,070	8,479	450
MW-4	02/25/2008	98.61	No Access					No Access					
MW-4	05/29/2008	98.61	17.96	NP	NP	80.65		1,100	66	390	1,400	2,956	53
MW-4	07/29/2008	98.61	17.65	NP	NP	80.96		250	8.9	80	110	449	14
MW-4	11/17/2008	98.61	18.08	NP	NP	80.53		560	54	610	1800	3,024	130
MW-4	01/14/2009	98.61	17.93	NP	NP	80.68		Gauged Only					
MW-4	02/06/2009	98.61	18.00	NP	NP	80.61		740	160	1,200	4,800	6,900	220
MW-4	03/05/2009	98.61	18.21	NP	NP	80.40		Gauged Only					
MW-4	04/01/2009	98.61	18.32	NP	NP	80.29		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-4	05/18/2009	98.61	18.22	NP	NP	80.39		1,100	62	1,100	4,100	6,362	230
MW-4	06/30/2009	99.67	17.91	NP	NP	81.76		Gauged Only					
MW-4	07/30/2009	99.67	17.22	NP	NP	82.45		Gauged Only					
MW-4	08/06/2009	99.67	18.02	NP	NP	81.65		300	10	180	620	1,110	78
MW-4	09/03/2009	99.67	18.09	NP	NP	81.58		Gauged Only					
MW-4	10/13/2009	99.67	18.28	NP	NP	81.39		Gauged Only					
MW-4	11/23/2009	99.67	17.89	NP	NP	81.78		1,400	100	1,900	6,400	9,800	580
MW-4	12/08/2009	99.67	18.34	NP	NP	81.33		Gauged Only					
MW-4	01/31/2010	99.67	18.28	NP	NP	81.39		Gauged Only					
MW-4	02/09/2010	99.67	18.10	NP	NP	81.57		450	22	420	1,600	2,492	100
MW-4	03/15/2010	99.67	17.63	NP	NP	82.04		500	45	500	1,600	2,645	90
MW-4	04/08/2010	99.67	26.78	NP	NP	72.89		Gauged Only					
MW-4	05/19/2010	99.67	17.46	NP	NP	82.21		400	19	410	1,100	1,929	140
MW-4	06/02/2010	99.67	17.63	NP	NP	82.04		Gauged Only					
MW-4	07/12/2010	99.67	17.85	NP	NP	81.82		Gauged Only					
MW-4	08/18/2010	99.67	18.19	NP	NP	81.48		720	450	1,300	5,400	7,870	180
MW-4	11/01/2010	99.67	18.16	NP	NP	81.51		670	490	1,200	5,100	7,460	120
MW-4	02/14/2011	99.67	18.04	NP	NP	81.63		760	360	810	3200	5,130	110
MW-4	06/17/2011	99.67	17.68	NP	NP	81.99	4.5**	640	390	790	3,100	4,920	160
MW-4	08/01/2011	99.67	18.10	NP	NP	81.57	4.25**	320	130	370	1,900	2,720	57
MW-4	11/01/2011	99.67	17.00	NP	NP	82.67	5.00	410	140	660	2,400	3,610	100

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-4	02/14/2012	99.67	17.56	NP	NP	82.11	3.00	380	96	810	2,900	4,186	180
MW-5	04/02/2001	98.90	21.90	NP	NP	77.00		1,380	277	351	410	2,418	5,040
MW-5	09/10/2001	98.90	21.73	NP	NP	77.17		105	16.8	22.9	37.3	182	4,980
MW-5	02/27/2002	98.90	22.05	NP	NP	76.85		2,650	110	497	264	3,521	46,800
MW-5	05/10/2002	98.90	21.99	NP	NP	76.91		1,950	457	542	793	3,742	17,600
MW-5	08/08/2002	98.90	21.83	NP	NP	77.07		1,320	202	449	679	2,650	8,410
MW-5	12/04/2002	98.90	21.48	NP	NP	77.42		2,250	290	407	656	3,603	26,300
MW-5	03/26/2003	98.90	21.14	NP	NP	77.76		3520	351	517	1,230	5,618	99,100
MW-5	05/15/2003	98.90	21.30	NP	NP	77.60		2,620	735	512	1,230	5,097	49,000
MW-5	09/04/2003	98.90	20.33	NP	NP	78.57		2,820	400	285	866	4,371	25,900
MW-5	12/17/2003	98.90	11.31	NP	NP	87.59		1,960	266	200	529	2,955	16,200
MW-5	02/11/2004	98.90	20.72	NP	NP	78.18		1,860	223	270	667	3,020	15,900
MW-5	05/18/2004	98.90	20.72	NP	NP	78.18		1,400	306	363	1,150	3,219	7,820
MW-5	08/18/2004	98.90	20.15	NP	NP	78.75		1,240	391	467	1,560	3,658	11,700
MW-5	11/23/2004	98.90	20.58	NP	NP	78.32		2,280	110	322	811	3,523	21,900
MW-5	02/15/2005	98.90	20.65	NP	NP	78.25		2,000	53.8 J	122	313	2,489	22,500
MW-5	05/12/2005	98.90	19.68	NP	NP	79.22		Gauged Only					
MW-5	05/27/2005	98.90	Sampled Only					1,730	75.7	109	262	2,177	18,200
MW-5	09/07/2005	98.90	20.81	NP	NP	78.09		1,380	47.5	118	315	1,861	13,900
MW-5	11/15/2005	98.90	20.25	NP	NP	78.65		2,980	78.6	148	290	3,497	37,500

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-5	02/15/2006	98.90	20.38	NP	NP	78.52		2,700	73.7	139	404	3,317	9,240
MW-5	06/06/2006	98.90	20.23	NP	NP	78.67		2,670	43.3	75.9	285	3,074	2,810
MW-5	08/28/2006	98.90	20.05	NP	NP	78.85		2,930	41.9	75.8	190	3,238	1,520
MW-5	11/27/2006	98.90	20.27	NP	NP	78.63		3,060	27.5	51.5	62.3	3,201	1,690
MW-5	02/17/2007	98.90	20.73	NP	NP	78.17		1,710	60.8	427	936	3,134	5,580
MW-5	05/11/2007	98.90	20.19	NP	NP	78.71		3,370	43.3	89.0	71.2	3,574	12,500
MW-5	08/30/2007	98.90	19.94	NP	NP	78.96		2,110	35.3 J	198	278	2,621	17,900
MW-5	11/21/2007	98.90	20.59	NP	NP	78.31		2,610	30.7	84.9	105	2,831	22,800
MW-5	02/25/2008	98.90	20.47	NP	NP	78.43		1,900	25	61	49	2,035	20,000
MW-5	05/29/2008	98.90	20.75	NP	NP	78.15		1,600	23	140	130	1,893	16,000
MW-5	07/29/2008	98.90	20.45	NP	NP	78.45		1,200	35	98	110	1,443	7,000
MW-5	11/17/2008	98.90	20.24	NP	NP	78.66		1,200	28	330	290	1,848	5,800
MW-5	01/14/2009	98.90	20.51	NP	NP	78.39		Gauged Only					
MW-5	02/06/2009	98.90	20.59	NP	NP	78.31		1,600	41	140	110	1,891	14,000
MW-5	03/05/2009	98.90	20.76	NP	NP	78.14		Gauged Only					
MW-5	04/01/2009	98.90	20.77	NP	NP	78.13		Gauged Only					
MW-5	05/18/2009	98.90	20.59	NP	NP	78.31		1,000	17	83	76	1,176	2,400
MW-5	06/30/2009	100.02	19.46	NP	NP	80.56		Gauged Only					
MW-5	07/30/2009	100.02	19.84	NP	NP	80.18		Gauged Only					
MW-5	08/06/2009	100.02	20.26	NP	NP	79.76		820	15	37	36	908	1,600
MW-5	09/03/2009	100.02	No Access					Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-5	10/13/2009	100.02	20.52	NP	NP	79.50		Gauged Only					
MW-5	11/23/2009	100.02	20.71	NP	NP	79.31		630	22	180	98	930	1,600
MW-5	12/08/2009	100.02	20.80	NP	NP	79.22		Gauged Only					
MW-5	01/31/2010	100.02	Not Gauged - Car parked Over Well					Gauged Only					
MW-5	02/09/2010	100.02	20.79	NP	NP	79.23		460	21	150	79	710	1,200
MW-5	03/15/2010	100.02	20.13	NP	NP	79.89		510	16	44	24	594	2,100
MW-5	04/08/2010	100.02	29.23	NP	NP	70.79		Gauged Only					
MW-5	05/19/2010	100.02	20.33	NP	NP	79.69		730	25	200	140	1,095	6400
MW-5	06/02/2010	100.02	20.48	NP	NP	79.54		Gauged Only					
MW-5	07/12/2010	100.02	20.67	NP	NP	79.35		Gauged Only					
MW-5	08/18/2010	100.02	20.94	NP	NP	79.08		990	38	260	210	1,498	3,400
MW-5	11/01/2010	100.02	20.74	NP	NP	79.28		780	37	230	150	1,197	2,400
MW-5	02/14/2011	100.02	20.53	NP	NP	79.49		930	58	110	91	1,189	4,500
MW-5	06/17/2011	100.02	20.61	NP	NP	79.41	4.25**	800	49	160	120	1,129	1,400
MW-5	08/01/2011	100.02	20.81	NP	NP	79.21	4.00**	770	51	140	130	1,091	1,700
MW-5	11/01/2011	100.02	20.11	NP	NP	79.91	4.50	840	37	65	77	1,019	2,000
MW-5	02/14/2012	100.02	20.91	NP	NP	79.11	4.00	1,000	43	110	100	1,253	1400
MW-6	03/26/2003	98.69	20.54	NP	NP	78.15		89.6	182	37.9	154	464	9,400
MW-6	05/15/2003	98.69	20.59	NP	NP	78.10		91.1	213	54.0	248	606	10,100
MW-6	09/04/2003	98.69	19.68	NP	NP	79.01		1,480	1,390	631	2,040	5,541	386,000

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-6	12/17/2003	98.69	19.74	NP	NP	78.95		217	50.4	46.3J	123	437	63,500
MW-6	02/11/2004	98.69	20.09	NP	NP	78.60		168	53.9	55.1	170	447	34,100
MW-6	05/18/2004	98.69	20.13	NP	NP	78.56		74.5	6.9	14.4	48.2	144	2,490
MW-6	08/18/2004	98.69	19.42	NP	NP	79.27		252	328	81.3 J	275	936	38,500
MW-6	11/23/2004	98.69	20.04	NP	NP	78.65		56.7	4.6 J	6.3	26.5	94.1	1,730
MW-6	02/15/2005	98.69	20.12	NP	NP	78.57		35.0	6.1 J	3.2 J	20.0	64.3	1,160
MW-6	05/12/2005	98.69	20.08	NP	NP	78.61		Gauged Only					
MW-6	05/27/2005	98.69	Sampled Only					23.5	3.0	2.4	14.0	42.9	899
MW-6	09/07/2005	98.69	20.26	NP	NP	78.43		9.9	1.6 J	7.2	11.8	30.5	795
MW-6	11/15/2005	98.69	19.73	NP	NP	78.96		303	60.5 J	35.9 J	81.1 J	481	298,000
MW-6	02/15/2006	98.69	19.79	NP	NP	78.90		1,130	526	342	1,010	3,008	131,000
MW-6	06/06/2006	98.69	19.64	NP	NP	79.05		1,610	268	410	1,060	3,348	133,000
MW-6	08/28/2006	98.69	19.45	NP	NP	79.24		1,590	165	499	1,350	3,604	109,000
MW-6	11/27/2006	98.69	19.82	NP	NP	78.87		20.7	4.0	7.6	22.9	55.2	791
MW-6	02/17/2007	98.69	20.28	NP	NP	78.41		21.7	4.6 J	9.1	23.4	58.8	1,120
MW-6	05/11/2007	98.69	19.68	NP	NP	79.01		16.1	2.4	1.5	8.2	28.2	108
MW-6	08/30/2007	98.69	19.42	NP	NP	79.27		11.6	5.0	10.4	15.2	42.2	1,280
MW-6	11/21/2007	98.69	20.11	NP	NP	78.58		7.9	3.9	5.3	10.6	27.7	124
MW-6	02/25/2008	98.69	20.85	NP	NP	77.84		24	5.6	9.0	23	61.6	5,000
MW-6	05/29/2008	98.69	20.25	NP	NP	78.44		13	3.6	8.4	16	41.0	210
MW-6	07/29/2008	98.69	19.92	NP	NP	78.77		550	87	170	250	1,057	72,000

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-6	11/17/2008	98.69	20.07	NP	NP	78.62		31	6.8	34	29	101	760
MW-6	01/14/2009	98.69	19.97	NP	NP	78.72		Gauged Only					
MW-6	02/06/2009	98.69	20.00	NP	NP	78.69		160	19 J	47	53	279	29,000
MW-6	03/05/2009	98.69	20.17	NP	NP	78.52		Gauged Only					
MW-6	04/01/2009	98.69	20.21	NP	NP	78.48		Gauged Only					
MW-6	05/18/2009	98.69	20.12	NP	NP	78.57		34	4.5	13	16	67.5	230
MW-6	06/30/2009	99.82	19.74	NP	NP	80.08		Gauged Only					
MW-6	07/30/2009	99.82	19.73	NP	NP	80.09		Gauged Only					
MW-6	08/06/2009	99.82	19.82	NP	NP	80.00		12	3.4	6.4	8.5	30.3	92
MW-6	09/03/2009	99.82	20.00	NP	NP	79.82		Gauged Only					
MW-6	10/13/2009	99.82	20.12	NP	NP	79.70		Gauged Only					
MW-6	11/23/2009	99.82	20.21	NP	NP	79.61		20	5.2	15	19	59.2	84
MW-6	12/08/2009	99.82	20.31	NP	NP	79.51		Gauged Only					
MW-6	01/31/2010	99.82	20.29	NP	NP	79.53		Gauged Only					
MW-6	02/09/2010	99.82	20.32	NP	NP	79.50		15	4.1	6	15	40.1	87
MW-6	03/15/2010	99.82	19.73	NP	NP	80.09		90	<10	21	23	134	20,000
MW-6	04/08/2010	99.82	24.50	NP	NP	75.32		Gauged Only					
MW-6	05/19/2010	99.82	19.88	NP	NP	79.94		21	3.9	9	11	44.9	590
MW-6	06/02/2010	99.82	19.98	NP	NP	79.84		Gauged Only					
MW-6	07/12/2010	99.82	20.19	NP	NP	79.63		Gauged Only					
MW-6	08/18/2010	99.82	20.43	NP	NP	79.39		17	2.6	5.3	6.1	31.0	43

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-6	11/01/2010	99.82	20.25	NP	NP	79.57		17	2.1	2.8	4.6	26.5	160
MW-6	02/14/2011	99.82	20.11	NP	NP	79.71		330	21	110	85	546	22,000
MW-6	06/17/2011	99.82	20.14	NP	NP	79.68	2.25**	10	1.5	3.8	3	18.3	33
MW-6	08/01/2011	99.82	20.37	NP	NP	79.45	2.00**	12	2.2	6	4.3	24.5	21
MW-6	11/01/2011	99.82	19.60	NP	NP	80.22	2.50	180	14	73	70	337	9,000
MW-6	02/14/2012	99.82	20.34	NP	NP	79.48	2.00	11	2.1	6.4	5.6	25.1	25
MW-7	03/26/2003	98.55	19.04	NP	NP	79.51		192	8.7	10.8	29.7	241	23,300
MW-7	05/15/2003	98.55	19.07	NP	NP	79.48		127	<50.0	<50.0	71.7	199	38,200
MW-7	09/04/2003	98.55	18.03	NP	NP	80.52		383	<100	<100	184	567	18,400
MW-7	12/17/2003	98.55	18.58	NP	NP	79.97		68.4	<25	<25	46.5	115	27,600
MW-7	02/11/2004	98.55	18.80	NP	NP	79.75		64.0	<50	<50	56.3	120	12,900
MW-7	05/18/2004	98.55	18.51	NP	NP	80.04		89.7	5.7 J	12.6	42.6	151	9,850
MW-7	08/18/2004	98.55	17.76	NP	NP	80.79		89.4	6.2 J	14.8	32.1	143	10,500
MW-7	11/23/2004	98.55	18.06	NP	NP	80.49		66.6	5.5	12.7	27.7	113	13,500
MW-7	02/15/2005	98.55	17.87	NP	NP	80.68		73.5	6.3 J	12.2 J	19.0 J	111	11,100
MW-7	05/12/2005	98.55	17.69	NP	NP	80.86		Gauged Only					
MW-7	05/27/2005	98.55	Sampled Only					130	<10.0	15.5	16.5	162	8,620
MW-7	09/07/2005	98.55	18.05	NP	NP	80.50		61.7	<20.0	16.7 J	20.3	98.7	9,630
MW-7	11/15/2005	98.55	17.52	NP	NP	81.03		88.7	7.1	17.9	21.0	135	13,700
MW-7	02/15/2006	98.55	17.43	NP	NP	81.12		42.1	<25.0	11.2 J	13.5 J	66.8	9,190

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 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-7	06/06/2006	98.55	17.36	NP	NP	81.19		38.2	<25.0	<25.0	<25.0	38.2	7,450
MW-7	08/28/2006	98.55	17.19	NP	NP	81.36		113	6.5	15.6	17.3	152	8,190
MW-7	11/27/2006	98.55	17.73	NP	NP	80.82		6.0	2.9	2.4	7.5	18.8	580
MW-7	02/17/2007	98.55	18.18	NP	NP	80.37		4.1 J	1.9 J	1.5 J	4.8 J	12.3	1,120
MW-7	05/11/2007	98.55	17.01	NP	NP	81.54		270	7.6	22.4	23.4	323	1,330
MW-7	08/30/2007	98.55	17.15	NP	NP	81.40		174	7.1	18.3	22.0	221	680
MW-7	11/21/2007	98.55	17.82	NP	NP	80.73		100	5.2	11.9	15.6	133	508
MW-7	02/25/2008	98.55	17.69	NP	NP	80.86		33	4.3	7.4	13	57.7	250
MW-7	05/29/2008	98.55	17.94	NP	NP	80.61		34	4.2	7.7	13	58.9	670
MW-7	07/29/2008	98.55	17.75	NP	NP	80.80		80	5.2	13	17	115	600
MW-7	11/17/2008	98.55	17.89	NP	NP	80.66		1.4 J	1.2 J	<1.0	2.8	5.4	720
MW-7	01/14/2009	98.55	17.91	NP	NP	80.64		Gauged Only					
MW-7	02/06/2009	98.55	18.00	NP	NP	80.55		28	4.2	8.7	13	53.9	170
MW-7	03/05/2009	98.55	18.20	NP	NP	80.35		Gauged Only					
MW-7	04/01/2009	98.55	18.33	NP	NP	80.22		Gauged Only					
MW-7	05/18/2009	98.55	18.23	NP	NP	80.32		80	4.7	8	13	106	140
MW-7	06/30/2009	99.64	17.91	NP	NP	81.73		Gauged Only					
MW-7	07/30/2009	99.64	17.13	NP	NP	82.51		Gauged Only					
MW-7	08/06/2009	99.64	18.03	NP	NP	81.61		120	4.8	6.9	14	146	140
MW-7	09/03/2009	99.64	16.11	NP	NP	83.53		Gauged Only					
MW-7	10/13/2009	99.64	18.30	NP	NP	81.34		Gauged Only					

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GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-7	11/23/2009	99.64	18.41	NP	NP	81.23		28	2.4	1.9	7.1	39.4	140
MW-7	12/08/2009	99.64	18.37	NP	NP	81.27		Gauged Only					
MW-7	01/31/2010	99.64	18.30	NP	NP	81.34		Gauged Only					
MW-7	02/09/2010	99.64	18.32	NP	NP	81.32		26	2	1.2	4.4	33.6	140
MW-7	03/15/2010	99.64	17.65	NP	NP	81.99		200	3.8	6.2	9.9	220	210
MW-7	04/08/2010	99.64	24.07	NP	NP	75.57		Gauged Only					
MW-7	05/19/2010	99.64	17.49	NP	NP	82.15		270	5.6	13	16	305	96
MW-7	06/02/2010	99.64	17.36	NP	NP	82.28		Gauged Only					
MW-7	07/12/2010	99.64	17.87	NP	NP	81.77		Gauged Only					
MW-7	08/18/2010	99.64	18.19	NP	NP	81.45		79	4.8	7.7	15	107	120
MW-7	11/01/2010	99.64	18.20	NP	NP	81.44		96	5.3	9.7	15	126	77
MW-7	02/14/2011	99.64	18.07	NP	NP	81.57		65	3.9	7.2	11	87.1	73
MW-7	06/17/2011	99.64	17.71	NP	NP	81.93	3.00**	21	3.9	7.1	10	42.0	73
MW-7	08/01/2011	99.64	18.10	NP	NP	81.54	3.00**	22	3.6	6.1	9.3	41.0	93
MW-7	11/01/2011	99.64	17.01	NP	NP	82.63	3.50	120	5.5	12	15	153	59
MW-7	02/14/2012	99.64	17.59	NP	NP	82.05	3.00	47	5.5	10	14	76.5	64
MW-8	12/17/2003	98.76	16.03	NP	NP	82.73		<1.0	<1.0	<1.0	<1.0	ND	2.1
MW-8	02/11/2004	96.08	17.01	NP	NP	79.07		0.58 J	0.44 J	2.6	11.2	14.8	10.7
MW-8	05/18/2004	96.08	17.12	NP	NP	78.96		<1.0	<1.0	<1.0	<1.0	ND	10.7
MW-8	08/18/2004	96.08	16.66	NP	NP	79.42		<1.0	<1.0	<1.0	<1.0	ND	15.6

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GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-8	11/23/2004	96.08	16.98	NP	NP	79.10		<1.0	<1.0	<1.0	0.3 J	0.3	20.4
MW-8	02/15/2005	96.08	16.90	NP	NP	79.18		<1.0	<1.0	<1.0	<1.0	ND	20.7
MW-8	05/12/2005	96.08	16.66	NP	NP	79.42		Gauged Only					
MW-8	05/27/2005	96.08	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	21.6
MW-8	09/07/2005	96.08	16.51	NP	NP	79.57		<1.0	<1.0	<1.0	<1.0	ND	15.9
MW-8	11/15/2005	96.08	13.35	NP	NP	82.73		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-8	02/15/2006	96.08	13.50	NP	NP	82.58		<1.0	<1.0	<1.0	<1.0	ND	0.70 J
MW-8	06/06/2006	96.08	13.98	NP	NP	82.10		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-8	08/28/2006	96.08	14.14	NP	NP	81.94		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-8	11/27/2006	96.08	16.78	NP	NP	79.30		<1.0	<1.0	<1.0	<1.0	ND	10.4
MW-8	02/17/2007	96.08	17.24	NP	NP	78.84		<1.0	<1.0	<1.0	<1.0	ND	8.1
MW-8	05/11/2007	96.08	16.48	NP	NP	79.60		<1.0	<1.0	<1.0	<1.0	ND	6.5
MW-8	08/30/2007	96.08	16.31	NP	NP	79.77		<1.0	<1.0	<1.0	<1.0	ND	5.3
MW-8	11/21/2007	96.08	16.92	NP	NP	79.16		<1.0	<1.0	<1.0	<1.0	ND	4.6
MW-8	02/25/2008	96.08	16.54	NP	NP	79.54		<0.50	<0.50	1.7	1.8	3.5	3.3
MW-8	05/29/2008	96.08	16.91	NP	NP	79.17		<0.50	<0.50	<0.50	<0.50	ND	3.5
MW-8	07/29/2008	96.08	16.64	NP	NP	79.44		0.65 J	<0.50	<0.50	<0.50	0.65	3.3
MW-8	11/17/2008	96.08	16.36	NP	NP	79.72		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-8	01/14/2009	96.08	16.43	NP	NP	79.65		Gauged Only					
MW-8	02/06/2009	96.08	14.14	NP	NP	81.94		<0.50	8.4	2.2	11	21.6	<0.50
MW-8	03/05/2009	96.08	12.87	NP	NP	83.21		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-8	04/01/2009	96.08	12.72	NP	NP	83.36		Gauged Only					
MW-8	05/18/2009	96.08	16.41	NP	NP	79.67		<0.50	0.51 J	1.7	3	5.21	0.97 J
MW-8	06/30/2009	97.21	16.12	NP	NP	81.09		Gauged Only					
MW-8	07/30/2009	97.21	16.45	NP	NP	80.76		Gauged Only					
MW-8	08/06/2009	97.21	16.30	NP	NP	80.91		<0.50	<0.50	<0.50	<0.50	ND	2.1
MW-8	09/03/2009	97.21	16.76	NP	NP	80.45		Gauged Only					
MW-8	10/13/2009	97.21	17.06	NP	NP	80.15		Gauged Only					
MW-8	11/23/2009	97.21	16.88	NP	NP	80.33		<0.50	<0.50	3.8	4.7	8.5	3.3
MW-8	12/08/2009	97.21	16.83	NP	NP	80.38		Gauged Only					
MW-8	01/31/2010	97.21	17.03	NP	NP	80.18		Gauged Only					
MW-8	02/09/2010	97.21	13.62	NP	NP	83.59		<0.50	<0.50	<0.50	<0.50	ND	4.5
MW-8	03/15/2010	97.21	14.22	NP	NP	82.99		<0.50	<0.50	<0.50	<0.50	ND	1.7
MW-8	04/08/2010	97.21	20.46	NP	NP	76.75		Gauged Only					
MW-8	05/19/2010	97.21	16.40	NP	NP	80.81		<0.50	<0.50	<0.50	<0.50	ND	7
MW-8	06/02/2010	97.21	16.78	NP	NP	80.43		Gauged Only					
MW-8	07/12/2010	97.21	15.62	NP	NP	81.59		Gauged Only					
MW-8	08/18/2010	97.21	17.19	NP	NP	80.02		<0.50	<0.50	<0.50	<0.50	ND	6.6
MW-8	11/01/2010	97.21	16.91	NP	NP	80.30		<0.50	<0.50	<0.50	<0.50	ND	3.8
MW-8	02/14/2011	97.21	16.57	NP	NP	80.64		<0.50	<0.50	<0.50	<0.50	ND	2.4
MW-8	06/17/2011	97.21	16.67	NP	NP	80.54	2.00**	<0.50	<0.50	<0.50	<0.50	ND	4.5
MW-8	08/01/2011	97.21	17.04	NP	NP	80.17	1.75**	<0.50	<0.50	<0.50	<0.50	ND	5

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-8	11/01/2011	97.21	15.11	NP	NP	82.10	2.50	<0.50	<0.50	<0.50	<0.50	ND	2.3
MW-8	02/14/2012	97.21	16.75	NP	NP	80.46	1.75	<0.50	<0.50	<0.50	<0.50	ND	4.3
MW-9	12/17/2003	97.6	16.17	NP	NP	81.43		<1.0	<1.0	<1.0	0.93J	0.93	7.5
MW-9	02/11/2004	94.95	16.63	NP	NP	78.32		<1.0	<1.0	0.4 J	1.2	1.6	6.7
MW-9	05/18/2004	94.95	16.67	NP	NP	78.28		<1.0	<1.0	<1.0	<1.0	ND	7.8
MW-9	08/18/2004	94.95	16.26	NP	NP	78.69		<1.0	<1.0	<1.0	<1.0	ND	6.4
MW-9	11/23/2004	94.95	16.59	NP	NP	78.36		<1.0	<1.0	<1.0	<1.0	ND	7.9
MW-9	02/15/2005	94.95	16.62	NP	NP	78.33		<1.0	<1.0	<1.0	<1.0	ND	6.2
MW-9	05/12/2005	94.95	16.56	NP	NP	78.39		Gauged Only					
MW-9	05/27/2005	94.95	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	7.4
MW-9	09/07/2005	94.95	16.65	NP	NP	78.30		<1.0	<1.0	<1.0	<1.0	ND	7.4
MW-9	11/15/2005	94.95	15.68	NP	NP	79.27		<1.0	0.50 J	1.3	5.8	7.6	5.5
MW-9	02/15/2006	94.95	15.77	NP	NP	79.18		<1.0	<1.0	<1.0	<1.0	ND	1.7
MW-9	06/06/2006	94.95	15.76	NP	NP	79.19		<1.0	<1.0	<1.0	<1.0	ND	1.1
MW-9	08/28/2006	94.95	15.50	NP	NP	79.45		<1.0	<1.0	0.43 J	1.6	2.03	1.0
MW-9	11/27/2006	94.95	16.25	NP	NP	78.70		<1.0	<1.0	<1.0	<1.0	ND	1.3
MW-9	02/17/2007	94.95	16.70	NP	NP	78.25		<1.0	<1.0	<1.0	<1.0	ND	1.3
MW-9	05/11/2007	94.95	16.15	NP	NP	78.80		16.2	2.5	2.5	9.5	30.7	315
MW-9	08/30/2007	94.95	15.99	NP	NP	78.96		<1.0	<1.0	<1.0	<1.0	ND	2.5
MW-9	11/21/2007	94.95	16.58	NP	NP	78.37		<1.0	<1.0	<1.0	<1.0	ND	2.4

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GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-9	02/25/2008	94.95	16.31	NP	NP	78.64		<0.50	<0.50	<0.50	0.70 J	0.7	3.3
MW-9	05/29/2008	94.95	16.64	NP	NP	78.31		<0.50	<0.50	<0.50	<0.50	ND	2.8
MW-9	07/29/2008	94.95	16.35	NP	NP	78.60		<0.50	<0.50	<0.50	<0.50	ND	2.9
MW-9	11/17/2008	94.95	16.50	NP	NP	78.45		0.56 J	<0.50	<0.50	<0.50	0.56	2.9
MW-9	01/14/2009	94.95	15.84	NP	NP	79.11		Gauged Only					
MW-9	02/06/2009	94.95	16.05	NP	NP	78.90		0.54 J	<0.50	<0.50	<0.50	0.54	2.5
MW-9	03/05/2009	94.95	16.19	NP	NP	78.76		Gauged Only					
MW-9	04/01/2009	94.95	16.24	NP	NP	78.71		Gauged Only					
MW-9	05/18/2009	94.95	16.52	NP	NP	78.43		0.92 J	<0.50	<0.50	0.53 J	1.45	2
MW-9	06/30/2009	96.00	16.18	NP	NP	79.82		Gauged Only					
MW-9	07/30/2009	96.00	16.13	NP	NP	79.87		Gauged Only					
MW-9	08/06/2009	96.00	16.26	NP	NP	79.74		0.61 J	<0.50	<0.50	0.76 J	1.37	1.5
MW-9	09/03/2009	96.00	16.41	NP	NP	79.59		Gauged Only					
MW-9	10/13/2009	96.00	16.50	NP	NP	79.50		Gauged Only					
MW-9	11/23/2009	96.00	16.59	NP	NP	79.41		0.52 J	<0.50	<0.50	<0.50	0.52	1.7
MW-9	12/08/2009	96.00	16.72	NP	NP	79.28		Gauged Only					
MW-9	01/31/2010	96.00	16.66	NP	NP	79.34		Gauged Only					
MW-9	02/09/2010	96.00	16.78	NP	NP	79.22		<0.50	<0.50	<0.50	<0.50	ND	1.5
MW-9	03/15/2010	96.00	15.87	NP	NP	80.13		<0.50	<0.50	<0.50	<0.50	ND	1.6
MW-9	04/08/2010	96.00	22.39	NP	NP	73.61		Gauged Only					
MW-9	05/19/2010	96.00	16.33	NP	NP	79.67		<0.50	<0.50	<0.50	<0.50	ND	1.8

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 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-9	06/02/2010	96.00	16.46	NP	NP	79.54		Gauged Only					
MW-9	07/12/2010	96.00	16.48	NP	NP	79.52		Gauged Only					
MW-9	08/18/2010	96.00	16.84	NP	NP	79.16		<0.50	<0.50	<0.50	<0.50	ND	1.6
MW-9	11/01/2010	96.00	16.69	NP	NP	79.31		<0.50	<0.50	<0.50	<0.50	ND	1.5
MW-9	02/14/2011	96.00	16.45	NP	NP	79.55		<0.50	<0.50	<0.50	<0.50	ND	1.5
MW-9	06/17/2011	96.00	16.44	NP	NP	79.56	3.00**	<0.50	<0.50	<0.50	<0.50	ND	1.3
MW-9	08/01/2011	96.00	16.71	NP	NP	79.29	2.75**	<0.50	<0.50	<0.50	<0.50	ND	1.3
MW-9	11/01/2011	96.00	15.89	NP	NP	80.11	3.25	<0.50	<0.50	<0.50	<0.50	ND	1.2
MW-9	02/14/2012	96	16.61	NP	NP	79.39	3.00	<0.50	<0.50	<0.50	<0.50	ND	1.2
MW-10	12/17/2003	97.2	16.02	NP	NP	81.18		61.7	11.3	14.4	46.1	134	132
MW-10	02/11/2004	94.52	16.39	NP	NP	78.13		56.4	8.7	4.9	36.6	107	252
MW-10	05/18/2004	94.52	16.41	NP	NP	78.11		59.0	6.8	1.1	27.6	94.5	126
MW-10	08/18/2004	94.52	15.91	NP	NP	78.61		49.1	10.7	9.8	42.5	112	173
MW-10	11/23/2004	94.52	16.28	NP	NP	78.24		61.8	8.8	3.0	37.4	111	143
MW-10	02/15/2005	94.52	16.34	NP	NP	78.18		50.2	7.3	1.3	27.4	86.2	98.1
MW-10	05/12/2005	94.52	16.37	NP	NP	78.15		Gauged Only					
MW-10	05/27/2005	94.52	Sampled Only					45.6	5.5	0.8	22.0	73.9	115
MW-10	09/07/2005	94.52	16.46	NP	NP	78.06		32.1	4.8	1.1	16.1	54.1	110
MW-10	11/15/2005	94.52	15.97	NP	NP	78.55		26.0	2.2	<2.0	3.6	31.8	289
MW-10	02/15/2006	94.52	16.07	NP	NP	78.45		82.1	6.6	2.1	22.5	113	204

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 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-10	06/06/2006	94.52	15.91	NP	NP	78.61		58.1	3.7	0.54 J	17.8	80.1	127
MW-10	08/28/2006	94.52	15.69	NP	NP	78.83		63.3	3.9	0.93 J	16.2	84.3	174
MW-10	11/27/2006	94.52	15.89	NP	NP	78.63		50.0	2.9	<1.0	11.2	64.1	193
MW-10	02/17/2007	94.52	16.35	NP	NP	78.17		40.7	2.2	0.36 J	10.1	53.4	194
MW-10	05/11/2007	94.52	15.81	NP	NP	78.71		<1.0	<1.0	<1.0	<1.0	ND	2.2
MW-10	08/30/2007	94.52	15.63	NP	NP	78.89		46.5	2.9	1.6	9.5	60.5	110
MW-10	11/21/2007	94.52	16.26	NP	NP	78.26		38.7	2.6	0.38 J	10.0	51.7	132
MW-10	02/25/2008	94.52	16.14	NP	NP	78.38		21	1.6	<0.50	7.2	29.8	94
MW-10	05/29/2008	94.52	16.42	NP	NP	78.10		18	1.4	<0.50	6.2	25.6	92
MW-10	07/29/2008	94.52	16.10	NP	NP	78.42		23	1.8	<0.50	7.4	32.2	66
MW-10	11/17/2008	94.52	16.24	NP	NP	78.28		20	2	<0.50	6.7	28.7	92
MW-10	01/14/2009	94.52	15.14	NP	NP	79.38		Gauged Only					
MW-10	02/06/2009	94.52	16.24	NP	NP	78.28		21	1.7	<0.50	5.9	28.6	61
MW-10	03/05/2009	94.52	16.40	NP	NP	78.12		Gauged Only					
MW-10	04/01/2009	94.52	16.43	NP	NP	78.09		Gauged Only					
MW-10	05/18/2009	94.52	16.21	NP	NP	78.31		8	1.1	<0.50	3.6	12.7	38
MW-10	06/30/2009	95.58	15.88	NP	NP	79.70		Gauged Only					
MW-10	07/30/2009	95.58	16.32	NP	NP	79.26		Gauged Only					
MW-10	08/06/2009	95.58	15.92	NP	NP	79.66		5.4	1.2	<0.50	3.9	10.5	46
MW-10	09/03/2009	95.58	16.10	NP	NP	79.48		Gauged Only					
MW-10	10/13/2009	95.58	16.20	NP	NP	79.38		Gauged Only					

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 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-10	11/23/2009	95.58	16.33	NP	NP	79.25		1.9	0.91 J	<0.50	2.7	5.51	75
MW-10	12/08/2009	95.58	16.43	NP	NP	79.15		Gauged Only					
MW-10	01/31/2010	95.58	16.35	NP	NP	79.23		Gauged Only					
MW-10	02/09/2010	95.58	16.43	NP	NP	79.15		0.87 J	0.90 J	<0.50	2.5	4.27	78
MW-10	03/15/2010	95.58	15.76	NP	NP	79.82		<10	<10	<10	<10	ND	57
MW-10	04/08/2010	95.58	22.86	NP	NP	72.72		Gauged Only					
MW-10	05/19/2010	95.58	15.98	NP	NP	79.60		0.73 J	1.3	<0.50	2.4	4.43	47
MW-10	06/02/2010	95.58	16.15	NP	NP	79.43		Gauged Only					
MW-10	07/12/2010	95.58	16.52	NP	NP	79.06		Gauged Only					
MW-10	08/18/2010	95.58	16.60	NP	NP	78.98		<0.50	0.63 J	<0.50	1.8	2.43	130
MW-10	11/01/2010	95.58	16.36	NP	NP	79.22		0.58 J	<0.50	<0.50	1.8	2.38	140
MW-10	02/14/2011	95.58	16.19	NP	NP	79.39		2.7	0.84 J	<0.50	2.2	5.74	120
MW-10	06/17/2011	95.58	16.23	NP	NP	79.35	3.25**	15	5.7	<0.50	5.5	26.2	150
MW-10	08/01/2011	95.58	16.46	NP	NP	79.12	3.25**	29	10	0.59 J	11	50.6	260
MW-10	11/01/2011	95.58	15.75	NP	NP	79.83	3.50	21	6.3	0.57 J	8.8	36.7	180
MW-10	02/14/2012	95.58	16.54	NP	NP	79.04	3.00	38	8.2	1.8	20	68.0	150
MW-11	11/23/2004	94.02	15.88	NP	NP	78.14		<1.0	<1.0	<1.0	<1.0	ND	63.4
MW-11	02/15/2005	94.02	15.92	NP	NP	78.10		<1.0	<1.0	<1.0	<1.0	ND	38.0
MW-11	05/12/2005	94.02	15.94	NP	NP	78.08		Gauged Only					
MW-11	05/27/2005	94.02	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	29.2

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-11	09/07/2005	94.02	16.15	NP	NP	77.87		<1.0	<1.0	<1.0	<1.0	ND	31.2
MW-11	11/15/2005	94.02	15.63	NP	NP	78.39		<1.0	<1.0	<1.0	<1.0	ND	23.9
MW-11	02/15/2006	94.02	15.76	NP	NP	78.26		<1.0	<1.0	<1.0	<1.0	ND	102
MW-11	06/06/2006	94.02	15.55	NP	NP	78.47		<1.0	<1.0	<1.0	<1.0	ND	34.4
MW-11	08/28/2006	94.02	15.41	NP	NP	78.61		<1.0	<1.0	<1.0	<1.0	ND	20.7
MW-11	11/27/2006	94.02	15.49	NP	NP	78.53		<1.0	<1.0	<1.0	<1.0	ND	3.6
MW-11	02/17/2007	94.02	15.95	NP	NP	78.07		<1.0	<1.0	<1.0	<1.0	ND	6.7
MW-11	05/11/2007	94.02	15.38	NP	NP	78.64		<1.0	<1.0	<1.0	<1.0	ND	6.4
MW-11	08/30/2007	94.02	15.29	NP	NP	78.73		<1.0	<1.0	<1.0	<1.0	ND	4.5
MW-11	11/21/2007	94.02	15.86	NP	NP	78.16		<1.0	<1.0	<1.0	<1.0	ND	11.9
MW-11	02/25/2008	94.02	Not Gauged					Not Sampled					
MW-11	05/29/2008	94.02	16.02	NP	NP	78.00		<0.50	<0.50	<0.50	<0.50	ND	6.2
MW-11	07/29/2008	94.02	15.78	NP	NP	78.24		<0.50	<0.50	<0.50	<0.50	ND	4.9
MW-11	11/17/2008	94.02	15.79	NP	NP	78.23		<0.50	<0.50	<0.50	<0.50	ND	5.5
MW-11	01/14/2009	94.02	14.88	NP	NP	79.14		Gauged Only					
MW-11	02/06/2009	94.02	15.84	NP	NP	78.18		<0.50	<0.50	<0.50	<0.50	ND	17
MW-11	03/05/2009	94.02	16.02	NP	NP	78.00		Gauged Only					
MW-11	04/01/2009	94.02	16.02	NP	NP	78.00		Gauged Only					
MW-11	05/18/2009	94.02	15.77	NP	NP	78.25		<0.50	<0.50	<0.50	<0.50	ND	5.7
MW-11	06/30/2009	95.14	15.41	NP	NP	79.73		Gauged Only					
MW-11	07/30/2009	95.14	15.45	NP	NP	79.69		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-11	08/06/2009	95.14	15.45	NP	NP	79.69		<0.50	<0.50	<0.50	<0.50	ND	2.5
MW-11	09/03/2009	95.14	15.63	NP	NP	79.51		Gauged Only					
MW-11	10/13/2009	95.14	15.74	NP	NP	79.40		Gauged Only					
MW-11	11/23/2009	95.14	15.91	NP	NP	79.23		<0.50	<0.50	<0.50	<0.50	ND	3
MW-11	12/08/2009	95.14	15.97	NP	NP	79.17		Gauged Only					
MW-11	01/31/2010	95.14	15.93	NP	NP	79.21		Gauged Only					
MW-11	02/09/2010	95.14	Not Gauged - Obstruction in Well					<0.50	<0.50	<0.50	<0.50	ND	2.6
MW-11	03/15/2010	95.14	15.25	NP	NP	79.89		<0.50	<0.50	<0.50	<0.50	ND	0.84 J
MW-11	04/08/2010	95.14	15.89	NP	NP	79.25		Gauged Only					
MW-11	05/19/2010	95.14	15.50	NP	NP	79.64		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-11	06/02/2010	95.14	15.73	NP	NP	79.41		Gauged Only					
MW-11	07/12/2010	95.14	15.85	NP	NP	79.29		Gauged Only					
MW-11	08/18/2010	95.14	Dry					Not Sampled - Dry					
MW-11	11/01/2010	95.14	16.15	NP	NP	78.99		Not Sampled - Insufficient Sample Volume					
MW-11	02/14/2011	95.14	15.76	NP	NP	79.38		Not Sampled - Insufficient Sampled Volume					
MW-11	06/17/2011	95.14	15.78	NP	NP	79.36	NM	Not Sampled - Insufficient Sampled Volume					
MW-11	06/17/2011	95.14	15.78	NP	NP	79.36	NM	Not Sampled - Insufficient Sampled Volume					
MW-11	11/01/2011	95.14	15.36	NP	NP	79.78	NM	Not Sampled - Insufficient Sampled Volume					
MW-12	11/23/2004	93.53	15.47	NP	NP	78.06		<1.0	<1.0	<1.0	<1.0	ND	2.4
MW-12	02/15/2005	93.53	15.55	NP	NP	77.98		<1.0	<1.0	<1.0	<1.0	ND	3.3

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-12	05/12/2005	93.53	15.51	NP	NP	78.02		Gauged Only					
MW-12	05/27/2005	93.53	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	3.5
MW-12	09/07/2005	93.53	15.67	NP	NP	77.86		<1.0	<1.0	<1.0	<1.0	ND	3.5
MW-12	11/15/2005	93.53	15.22	NP	NP	78.31		<1.0	<1.0	<1.0	<1.0	ND	3.9
MW-12	02/15/2006	93.53	15.32	NP	NP	78.21		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-12	06/06/2006	93.53	15.07	NP	NP	78.46		<1.0	<1.0	<1.0	<1.0	ND	4.8
MW-12	08/28/2006	93.53	14.97	NP	NP	78.56		<1.0	<1.0	<1.0	<1.0	ND	2.2
MW-12	11/27/2006	93.53	15.01	NP	NP	78.52		<1.0	<1.0	<1.0	<1.0	ND	4.5
MW-12	02/17/2007	93.53	15.47	NP	NP	78.06		<1.0	<1.0	<1.0	<1.0	ND	1.3
MW-12	05/11/2007	93.53	14.91	NP	NP	78.62		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-12	08/30/2007	93.53	14.78	NP	NP	78.75		<1.0	<1.0	<1.0	<1.0	ND	2.2
MW-12	11/21/2007	93.53	15.44	NP	NP	78.09		<1.0	<1.0	<1.0	<1.0	ND	2.0
MW-12	02/25/2008	93.53	Not Gauged					Not Sampled					
MW-12	05/29/2008	93.53	15.57	NP	NP	77.96		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-12	07/29/2008	93.53	15.35	NP	NP	78.18		<0.50	<0.50	<0.50	<0.50	ND	4
MW-12	11/17/2008	93.53	15.36	NP	NP	78.17		<0.50	<0.50	<0.50	<0.50	ND	2.3
MW-12	01/14/2009	93.53	15.03	NP	NP	78.50		Gauged Only					
MW-12	02/06/2009	93.53	15.55	NP	NP	77.98		<0.50	<0.50	<0.50	<0.50	ND	0.95 J
MW-12	03/05/2009	93.53	15.66	NP	NP	77.87		Gauged Only					
MW-12	04/01/2009	93.53	15.64	NP	NP	77.89		Gauged Only					
MW-12	05/18/2009	93.53	15.28	NP	NP	78.25		<0.50	<0.50	<0.50	<0.50	ND	<0.50

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA						
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10	
MW-12	06/30/2009	94.63	15.02	NP	NP	79.61		Gauged Only						
MW-12	07/30/2009	94.63	15.51	NP	NP	79.12		Gauged Only						
MW-12	08/06/2009	94.63	15.02	NP	NP	79.61		<0.50	<0.50	<0.50	<0.50	ND	1.2	
MW-12	09/03/2009	94.63	15.22	NP	NP	79.41		Gauged Only						
MW-12	10/13/2009	94.63	15.30	NP	NP	79.33		Gauged Only						
MW-12	11/23/2009	94.63	15.44	NP	NP	79.19		<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-12	12/08/2009	94.63	15.52	NP	NP	79.11		Gauged Only						
MW-12	01/31/2010	94.63	15.48	NP	NP	79.15		Gauged Only						
MW-12	02/09/2010	94.63	15.57	NP	NP	79.06		<0.50	<0.50	<0.50	<0.50	ND	1.8	
MW-12	03/15/2010	94.63	14.83	NP	NP	79.80		<0.50	<0.50	<0.50	0.65 J	0.65	0.90 J	
MW-12	04/08/2010	94.63	22.02	NP	NP	72.61		Gauged Only						
MW-12	05/19/2010	94.63	15.07	NP	NP	79.56		<0.50	<0.50	<0.50	<0.50	ND	2.2	
MW-12	06/02/2010	94.63	Dry						Gauged Only					
MW-12	07/12/2010	94.63	15.37	NP	NP	79.26		Gauged Only						
MW-12	08/18/2010	94.63	15.70	NP	NP	78.93		<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-12	11/01/2010	94.63	14.45	NP	NP	80.18		<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-12	02/14/2011	94.63	No Access-Ice Over Well						No Access-Ice Over Well					
MW-12	06/17/2011	94.63	15.36	NP	NP	79.27	0.75**	<0.50	<0.50	<0.50	<0.50	ND	1.8	
MW-12	08/01/2011	94.63	15.60	NP	NP	79.03	0.75**	<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-12	11/01/2011	94.63	14.89	NP	NP	79.74	0.75	<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-12	02/14/2012	94.63	15.75	NP	NP	78.88	0.5	<0.50	<0.50	<0.50	<0.50	ND	<0.50	

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GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-13	02/15/2005	93.21	15.29	NP	NP	77.92		<1.0	<1.0	<1.0	<1.0	ND	10.9
MW-13	05/12/2005	93.21	NM	NP	NP	NM		Gauged Only					
MW-13	05/27/2005	93.21	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	7.9
MW-13	09/07/2005	93.21	15.45	NP	NP	77.76		<1.0	<1.0	<1.0	<1.0	ND	6.1
MW-13	11/15/2005	93.21	14.98	NP	NP	78.23		<1.0	<1.0	<1.0	<1.0	ND	13.4
MW-13	02/15/2006	93.21	15.10	NP	NP	78.11		<1.0	<1.0	<1.0	<1.0	ND	10.6
MW-13	06/06/2006	93.21	14.91	NP	NP	78.30		<1.0	<1.0	<1.0	<1.0	ND	9.3
MW-13	08/28/2006	93.21	14.76	NP	NP	78.45		<1.0	<1.0	<1.0	<1.0	ND	8.3
MW-13	11/27/2006	93.21	14.79	NP	NP	78.42		<1.0	<1.0	<1.0	<1.0	ND	9.9
MW-13	02/17/2007	93.21	15.24	NP	NP	77.97		<1.0	<1.0	<1.0	<1.0	ND	3.0
MW-13	05/11/2007	93.21	14.66	NP	NP	78.55		<1.0	<1.0	<1.0	<1.0	ND	8.4
MW-13	08/30/2007	93.21	14.58	NP	NP	78.63		<1.0	<1.0	<1.0	<1.0	ND	8.8
MW-13	11/21/2007	93.21	16.18	NP	NP	77.03		<1.0	<1.0	<1.0	<1.0	ND	1.9
MW-13	02/25/2008	93.21	Not Gauged					Not Sampled					
MW-13	05/29/2008	93.21	15.33	NP	NP	77.88		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-13	07/29/2008	93.21	15.10	NP	NP	78.11		<0.50	<0.50	<0.50	<0.50	ND	5
MW-13	11/17/2008	93.21	15.17	NP	NP	78.04		<0.50	<0.50	<0.50	<0.50	ND	1.5
MW-13	01/14/2009	93.21	No Access - Ice Over Well					Gauged Only					
MW-13	02/06/2009	93.21	15.27	NP	NP	77.94		<0.50	<0.50	<0.50	<0.50	ND	2.2
MW-13	03/05/2009	93.21	15.43	NP	NP	77.78		Gauged Only					

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GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-13	04/01/2009	93.21	15.42	NP	NP	77.79		Gauged Only					
MW-13	05/18/2009	93.21	15.07	NP	NP	78.14		<0.50	<0.50	<0.50	<0.50	ND	3.7
MW-13	06/30/2009	94.33	14.74	NP	NP	79.59		Gauged Only					
MW-13	07/30/2009	94.33	14.71	NP	NP	79.62		Gauged Only					
MW-13	08/06/2009	94.33	14.78	NP	NP	79.55		<0.50	<0.50	<0.50	<0.50	ND	1.0
MW-13	09/03/2009	94.33	14.98	NP	NP	79.35		Gauged Only					
MW-13	10/13/2009	94.33	15.06	NP	NP	79.27		Gauged Only					
MW-13	11/23/2009	94.33	15.29	NP	NP	79.04		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-13	12/08/2009	94.33	15.29	NP	NP	79.04		Gauged Only					
MW-13	01/31/2010	94.33	15.25	NP	NP	79.08		Gauged Only					
MW-13	02/09/2010	94.33	15.17	NP	NP	79.16		<0.50	<0.50	<0.50	<0.50	ND	1
MW-13	03/15/2010	94.33	14.66	NP	NP	79.67		<0.50	<0.50	<0.50	0.54 J	0.54	5.1
MW-13	04/08/2010	94.33	20.22	NP	NP	74.11		Gauged Only					
MW-13	05/19/2010	94.33	14.85	NP	NP	79.48		<0.50	<0.50	<0.50	<0.50	ND	4.5
MW-13	06/02/2010	94.33	15.03	NP	NP	79.30		Gauged Only					
MW-13	07/12/2010	94.33	15.17	NP	NP	79.16		Gauged Only					
MW-13	08/18/2010	94.33	15.45	NP	NP	78.88		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-13	11/01/2010	94.33	15.24	NP	NP	79.09		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-13	02/14/2011	94.33	15.12	NP	NP	79.21		<0.50	<0.50	<0.50	<0.50	ND	1.9
MW-13	06/17/2011	94.33	15.11	NP	NP	79.22	0.50**	<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-13	08/01/2011	94.33	15.39	NP	NP	78.94	0.50**	<0.50	<0.50	<0.50	<0.50	ND	0.83 J

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GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-13	11/01/2011	94.33	14.70	NP	NP	79.63	0.50	<0.50	<0.50	<0.50	<0.50	ND	1.3
MW-13	02/14/2012	94.33	15.5	NP	NP	78.83	0.5	<0.50	<0.50	<0.50	<0.50	ND	1
MW-14	02/15/2005	94.05	16.08	NP	NP	77.97		<1.0	<1.0	<1.0	<1.0	ND	7.1
MW-14	05/12/2005	94.05	NM	NP	NP	NM		Gauged Only					
MW-14	05/27/2005	94.05	Sampled Only					<1.0	<1.0	<1.0	<1.0	ND	5.7
MW-14	09/07/2005	94.05	16.19	NP	NP	77.86		<1.0	<1.0	<1.0	<1.0	ND	5.0
MW-14	11/15/2005	94.05	15.78	NP	NP	78.27		<1.0	<1.0	<1.0	<1.0	ND	5.9
MW-14	02/15/2006	94.05	15.88	NP	NP	78.17		<1.0	<1.0	<1.0	<1.0	ND	6.0
MW-14	06/06/2006	94.05	15.70	NP	NP	78.35		<1.0	<1.0	<1.0	<1.0	ND	4.8
MW-14	08/28/2006	94.05	15.56	NP	NP	78.49		<1.0	<1.0	<1.0	<1.0	ND	3.8
MW-14	11/27/2006	94.05	15.61	NP	NP	78.44		<1.0	<1.0	<1.0	<1.0	ND	3.8
MW-14	02/17/2007	94.05	16.08	NP	NP	77.97		<1.0	<1.0	<1.0	<1.0	ND	4.6
MW-14	05/11/2007	94.05	15.48	NP	NP	78.57		<1.0	<1.0	<1.0	<1.0	ND	4.2
MW-14	08/30/2007	94.05	15.33	NP	NP	78.72		<1.0	<1.0	<1.0	<1.0	ND	<1.0
MW-14	11/21/2007	94.05	15.98	NP	NP	78.07		<1.0	<1.0	<1.0	<1.0	ND	4.1
MW-14	02/25/2008	94.05	15.81	NP	NP	78.24		<0.50	<0.50	<0.50	<0.50	ND	4.3
MW-14	05/29/2008	94.05	16.14	NP	NP	77.91		<0.50	<0.50	<0.50	<0.50	ND	4.1
MW-14	07/29/2008	94.05	15.84	NP	NP	78.21		<0.50	<0.50	<0.50	<0.50	ND	3.2
MW-14	11/17/2008	94.05	15.96	NP	NP	78.09		<0.50	<0.50	<0.50	<0.50	ND	4.2
MW-14	01/14/2009	94.05	14.78	NP	NP	79.27		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-14	02/06/2009	94.05	16.02	NP	NP	78.03		<0.50	<0.50	<0.50	<0.50	ND	4.9
MW-14	03/05/2009	94.05	16.23	NP	NP	77.82		Gauged Only					
MW-14	04/01/2009	94.05	16.22	NP	NP	77.83		Gauged Only					
MW-14	05/18/2009	94.05	15.86	NP	NP	78.19		<0.50	<0.50	<0.50	<0.50	ND	3.6
MW-14	06/30/2009	95.16	15.55	NP	NP	79.61		Gauged Only					
MW-14	07/30/2009	95.16	16.21	NP	NP	78.95		Gauged Only					
MW-14	08/06/2009	95.16	15.55	NP	NP	79.61		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-14	09/03/2009	95.16	15.76	NP	NP	79.40		Gauged Only					
MW-14	10/13/2009	95.16	15.85	NP	NP	79.31		Gauged Only					
MW-14	11/23/2009	95.16	15.97	NP	NP	79.19		<0.50	<0.50	<0.50	<0.50	ND	4.6
MW-14	12/08/2009	95.16	16.10	NP	NP	79.06		Gauged Only					
MW-14	01/31/2010	95.16	16.04	NP	NP	79.12		Gauged Only					
MW-14	02/09/2010	95.16	16.12	NP	NP	79.04		<0.50	<0.50	<0.50	<0.50	ND	4.2
MW-14	03/15/2010	95.16	15.44	NP	NP	79.72		<0.50	<0.50	<0.50	<0.50	ND	1.6
MW-14	04/08/2010	95.16	19.62	NP	NP	75.54		Gauged Only					
MW-14	05/19/2010	95.16	15.67	NP	NP	79.49		<0.50	<0.50	<0.50	<0.50	ND	3.8
MW-14	06/02/2010	95.16	15.82	NP	NP	79.34		Gauged Only					
MW-14	07/12/2010	95.16	15.92	NP	NP	79.24		Gauged Only					
MW-14	08/18/2010	95.16	16.36	NP	NP	78.80		<0.50	<0.50	<0.50	<0.50	ND	4.1
MW-14	11/01/2010	95.16	16.01	NP	NP	79.15		<0.50	<0.50	<0.50	<0.50	ND	3
MW-14	02/14/2011	95.16	15.91	NP	NP	79.25		<0.50	<0.50	<0.50	<0.50	ND	3.8

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-14	06/17/2011	95.16	15.94	NP	NP	79.22	1.75**	<0.50	<0.50	<0.50	<0.50	ND	3.4
MW-14	08/01/2011	95.16	16.13	NP	NP	79.03	1.75**	<0.50	<0.50	<0.50	<0.50	ND	3.9
MW-14	11/01/2011	95.16	15.50	NP	NP	79.66	2.00	<0.50	<0.50	<0.50	<0.50	ND	2.4
MW-14	02/14/2012	95.16	16.29	NP	NP	78.87	1.5	<0.50	<0.50	<0.50	<0.50	ND	4.9
MW-15	06/30/2009	99.08	17.22	NP	NP	NM		Gauged Only					
MW-15	07/30/2009	99.08	17.25	NP	NP	81.83		Gauged Only					
MW-15	08/06/2009	99.08	17.37	NP	NP	81.71		110	9,300	1,700	7,900	19,010	<5.0
MW-15	09/03/2009	99.08	17.46	NP	NP	81.62		Gauged Only					
MW-15	10/13/2009	99.08	17.65	NP	NP	81.43		Gauged Only					
MW-15	11/23/2009	99.08	17.76	NP	NP	81.32		180	12,000	2,900	17,000	32,080	<5.0
MW-15	12/08/2009	99.08	17.68	NP	NP	81.40		Gauged Only					
MW-15	01/31/2010	99.08	17.64	NP	NP	81.44		Gauged Only					
MW-15	02/09/2010	99.08	17.68	NP	NP	81.40		140	8,000	1,900	15,000	25,040	<5.0
MW-15	03/15/2010	99.08	16.94	NP	NP	82.14		150	7,200	2,100	15,000	24,450	<5.0
MW-15	04/08/2010	99.08	21.11	NP	NP	77.97		Gauged Only					
MW-15	05/19/2010	99.08	16.8	NP	NP	82.28		150	6,100	1,900	15,000	23,150	<5.0
MW-15	06/02/2010	99.08	16.95	NP	NP	82.13		Gauged Only					
MW-15	07/12/2010	99.08	17.20	NP	NP	81.88		Gauged Only					
MW-15	08/18/2010	99.08	17.56	NP	NP	81.52		180	4,500	2,600	16,000	23,280	<2.5
MW-15	11/01/2010	99.08	17.51	NP	NP	81.57		160	2,600	2,300	15,000	20,060	<5.0

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-15	02/14/2011	99.08	17.40	NP	NP	81.68		150	2,000	2,300	13,000	17,450	<2.5
MW-15	06/17/2011	99.08	17.01	NP	NP	82.07	2.00**	150	2,600	2,400	14,000	19,150	<5.0
MW-15	08/01/2011	99.08	17.45	NP	NP	81.63	1.75**	150	2,300	2,800	14,000	19,250	1.3 J
MW-15	11/01/2011	99.08	16.30	NP	NP	82.78	2.50	83	1,200	2,500	15,000	18,783	<5.0
MW-15	02/14/2012	99.08	16.9	NP	NP	82.18	2.00	98	380	2,600	14,000	17,078	<2.5
MW-16	06/30/2009	100.3	19.92	NP	NP	NM		Gauged Only					
MW-16	07/30/2009	100.3	18.15	NP	NP	82.15		Gauged Only					
MW-16	08/06/2009	100.30	19.91	NP	NP	80.39		36	1.4 J	2.9 J	3.7 J	44.0	34
MW-16	09/03/2009	100.30	19.91	NP	NP	80.39		Gauged Only					
MW-16	10/13/2009	100.30	19.96	NP	NP	80.34		Gauged Only					
MW-16	11/23/2009	100.30	20.03	NP	NP	80.27		15	1	1.8	2.5	20.3	55
MW-16	12/08/2009	100.30	20.01	NP	NP	80.29		Gauged Only					
MW-16	01/31/2010	100.30	19.99	NP	NP	80.31		Gauged Only					
MW-16	02/09/2010	100.30	20.05	NP	NP	80.25		12	1.1	1.6	2.5	17.2	57
MW-16	03/15/2010	100.30	19.86	NP	NP	80.44		16	1.6	2.7	4.7	25.0	43
MW-16	04/08/2010	100.30	22.79	NP	NP	77.51		Gauged Only					
MW-16	05/19/2010	100.30	19.83	NP	NP	80.47		10	0.89 J	1.7	2.4	15.0	38
MW-16	06/02/2010	100.30	19.86	NP	NP	80.44		Gauged Only					
MW-16	07/12/2010	100.30	19.89	NP	NP	80.41		Gauged Only					
MW-16	08/18/2010	100.30	20.03	NP	NP	80.27		7.8	0.94 J	1.4	2.5	12.6	37

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
 BP Station Number 03887
 164 4th Ave
 Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-16	11/01/2010	100.30	19.97	NP	NP	80.33		6.3	0.87 J	0.92 J	2.2	10.3	33
MW-16	02/14/2011	100.30	19.89	NP	NP	80.41		3.9	0.80 J	<0.50	2.1	6.8	23
MW-16	06/17/2011	100.30	19.82	NP	NP	80.48	1.25**	3.3	0.93 J	<0.50	2.4	6.63	15
MW-16	08/01/2011	100.30	19.87	NP	NP	80.43	1.25**	1.8	0.85 J	<0.50	2.5	5.15	18
MW-16	11/01/2011	100.30	22.35	NP	NP	77.95	1.25	1.4	0.83 J	<0.50	2.3	4.53	13
MW-16	02/14/2012	100.3	19.9	NP	NP	80.4	1.00	0.54 J	0.92 J	<0.50	3.7	5.16	16
MW-17	06/30/2009	94.96	13.66	NP	NP	NM		Gauged Only					
MW-17	07/30/2009	94.96	17.57	NP	NP	77.39		Gauged Only					
MW-17	08/06/2009	94.96	15.36	NP	NP	79.60		<0.50	<0.70	<0.80	<0.80	ND	0.82 J
MW-17	09/03/2009	94.96	15.57	NP	NP	79.39		Gauged Only					
MW-17	10/13/2009	94.96	15.66	NP	NP	79.30		Gauged Only					
MW-17	11/23/2009	94.96	15.79	NP	NP	79.17		<0.50	<0.50	<0.50	<0.50	ND	<0.50
MW-17	12/08/2009	94.96	15.88	NP	NP	79.08		Gauged Only					
MW-17	01/31/2010	94.96	15.83	NP	NP	79.13		Gauged Only					
MW-17	02/09/2010	94.96	15.89	NP	NP	79.07		<0.50	<0.50	<0.50	<0.50	ND	1.2
MW-17	03/15/2010	94.96	15.21	NP	NP	79.75		<0.50	<0.50	<0.50	<0.50	ND	1.5
MW-17	04/08/2010	94.96	20.98	NP	NP	73.98		Gauged Only					
MW-17	05/19/2010	94.96	15.44	NP	NP	79.52		<0.50	<0.50	<0.50	<0.50	ND	1.2
MW-17	06/02/2010	94.96	15.62	NP	NP	79.34		Gauged Only					
MW-17	07/12/2010	94.96	15.72	NP	NP	79.24		Gauged Only					

TABLE 1
GROUND WATER GAUGING AND ANALYTICAL DATA
BP Station Number 03887
164 4th Ave
Brooklyn, NY

Well ID	Date	GROUND WATER GAUGING DATA						GROUND WATER ANALYTICAL DATA					
		Reference Elevation (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Elevation (ft)*	Purge Volume (gals)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)
NYSDEC TOGS WQS		NGV	NGV	NGV	NGV	NGV	NGV	1	5	5	5	NGV	10
MW-17	08/18/2010	94.96	16.01	NP	NP	78.95		<0.50	<0.50	<0.50	<0.50	ND	1.2
MW-17	11/01/2010	94.96	15.78	NP	NP	79.18		<0.50	<0.50	<0.50	<0.50	ND	1
MW-17	02/14/2011	94.96	15.68	NP	NP	79.28		<0.50	<0.50	<0.50	<0.50	ND	1.1
MW-17	06/17/2011	94.96	15.71	NP	NP	79.25	2.50**	<0.50	<0.50	<0.50	<0.50	ND	0.83 J
MW-17	08/01/2011	94.96	15.94	NP	NP	79.02	2.25**	<0.50	<0.50	<0.50	<0.50	ND	1
MW-17	11/01/2011	94.96	15.30	NP	NP	79.66	2.75	<0.50	<0.50	<0.50	<0.50	ND	0.95 J
MW-17	02/14/2012	94.96	16.09	NP	NP	78.87	2.25	<0.50	<0.50	<0.50	<0.50	ND	1.5

Gauging Notes:

TOC - Top of Casing
ft - Feet

LNAPL - Light non-aqueous phase liquid

NGV - No guidance value

NP - LNAPL not present

NM - Not measured, **-Estimated Purge Volume Amount

* - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)

8/19/2009 - Well network resurveyed. New reference elevations applied since Jun

Analytical Notes:

NYSDEC - New York State Department of Environmental Conservation
TOGS WQS - Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values

TOTAL BTEX - Sum of benzene, toluene, ethylbenzene and xylenes concentrations

MTBE - Methyl tertiary-butyl ether

µg/L - Micrograms per liter

NGV - No guidance value

Results in bold exceed applicable NYSDEC WQS

< - Not detected at or above indicated laboratory reporting limit

J - Estimated concentration below the instrument reporting limit

NS - Not sampled

NA - Not analyzed

ND - Not detected

Appendix A

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Atlantic Richfield (Antea-NY)
BP Corporation
501 WestLake Park Blvd.
Houston TX 77079

February 22, 2012

Project: BP 3887

Submittal Date: 02/15/2012
Group Number: 1289991
PO Number: 005P4-0002
Release Number: ONUFRAK/3887
State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
MW-3 Water	6549170
MW-15 Water	6549171
MW-2 Water	6549172
MW-4 Water	6549173
MW-16 Water	6549174
MW-7 Water	6549175
MW-6 Water	6549176
MW-1 Water	6549177
MW-8 Water	6549178
MW-9 Water	6549179
MW-10 Water	6549180
MW-14 Water	6549181
MW-17 Water	6549182
MW-13 Water	6549183
MW-12 Water	6549184
MW-12 Matrix Spike Water	6549185
MW-12 Matrix Spike Dup Water	6549186
MW-5 Water	6549187
Trip Blank Water	6549188

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

COPY TO
ELECTRONIC The Antea Group
COPY TO

Attn: Mara Grislis

Questions? Contact your Client Services Representative
Kaitlin N Plasterer at (717) 556-7323

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: MW-3 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-3

LLI Sample # WW 6549170
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:03 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 00:52	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 00:52	Holly Berry	1

Sample Description: MW-15 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-15

LLI Sample # WW 6549171
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:32 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	98	2.5	5.0	5
10943	Ethylbenzene	100-41-4	2,600	25	50	50
10943	Methyl Tertiary Butyl Ether	1634-04-4	< 2.5	2.5	5.0	5
10943	Toluene	108-88-3	380	2.5	5.0	5
10943	Xylene (Total)	1330-20-7	14,000	25	50	50

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 01:20	Holly Berry	5
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 01:48	Holly Berry	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 01:20	Holly Berry	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	P120523AA	02/22/2012 01:48	Holly Berry	50

Sample Description: MW-2 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-2

LLI Sample # WW 6549172
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:43 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	100	0.50	1.0	1
10943	Ethylbenzene	100-41-4	570	5.0	10	10
10943	Methyl Tertiary Butyl Ether	1634-04-4	93	0.50	1.0	1
10943	Toluene	108-88-3	2.0	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	500	5.0	10	10

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 02:16	Holly Berry	1
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 02:43	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 02:16	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	P120523AA	02/22/2012 02:43	Holly Berry	10

Sample Description: MW-4 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-4

LLI Sample # WW 6549173
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:18 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	380	5.0	10	10
10943	Ethylbenzene	100-41-4	810	5.0	10	10
10943	Methyl Tertiary Butyl Ether	1634-04-4	180	5.0	10	10
10943	Toluene	108-88-3	96	5.0	10	10
10943	Xylene (Total)	1330-20-7	2,900	5.0	10	10

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 03:11	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 03:11	Holly Berry	10

Sample Description: MW-16 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-16

LLI Sample # WW 6549174
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:54 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	0.54 J	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	16	0.50	1.0	1
10943	Toluene	108-88-3	0.92 J	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	3.7	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 03:39	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 03:39	Holly Berry	1

Sample Description: MW-7 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-7

LLI Sample # WW 6549175
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 11:07 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	47	0.50	1.0	1
10943	Ethylbenzene	100-41-4	10	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	64	0.50	1.0	1
10943	Toluene	108-88-3	5.5	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	14	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 04:06	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 04:06	Holly Berry	1

Sample Description: MW-6 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-6

LLI Sample # WW 6549176
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 11:12 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	11	0.50	1.0	1
10943	Ethylbenzene	100-41-4	6.4	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	25	0.50	1.0	1
10943	Toluene	108-88-3	2.1	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	5.6	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 04:34	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 04:34	Holly Berry	1

Sample Description: MW-1 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-1

LLI Sample # WW 6549177
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 11:24 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	180	2.5	5.0	5
10943	Ethylbenzene	100-41-4	350	2.5	5.0	5
10943	Methyl Tertiary Butyl Ether	1634-04-4	31	2.5	5.0	5
10943	Toluene	108-88-3	100	2.5	5.0	5
10943	Xylene (Total)	1330-20-7	730	2.5	5.0	5

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 05:02	Holly Berry	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 05:02	Holly Berry	5

Sample Description: MW-8 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-8

LLI Sample # WW 6549178
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 11:28 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	4.3	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 05:30	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 05:30	Holly Berry	1

Sample Description: MW-9 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-9

LLI Sample # WW 6549179
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 09:54 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	1.2	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 05:58	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 05:58	Holly Berry	1

Sample Description: MW-10 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-10

LLI Sample # WW 6549180
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:05 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	38	0.50	1.0	1
10943	Ethylbenzene	100-41-4	1.8	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	150	0.50	1.0	1
10943	Toluene	108-88-3	8.2	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	20	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 06:25	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 06:25	Holly Berry	1

Sample Description: MW-14 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-14

LLI Sample # WW 6549181
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:16 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	4.9	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 06:53	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 06:53	Holly Berry	1

Sample Description: MW-17 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-17

LLI Sample # WW 6549182
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:26 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	1.5	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 07:21	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 07:21	Holly Berry	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-13 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-13

LLI Sample # WW 6549183
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:36 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	1.0	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 07:48	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 07:48	Holly Berry	1

Sample Description: MW-12 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-12

LLI Sample # WW 6549184
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:46 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/21/2012 22:33	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/21/2012 22:33	Holly Berry	1

Sample Description: MW-12 Matrix Spike Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-12

LLI Sample # WW 6549185
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:46 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	22	0.50	1.0	1
10943	Ethylbenzene	100-41-4	21	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	22	0.50	1.0	1
10943	Toluene	108-88-3	21	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	62	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/21/2012 23:01	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/21/2012 23:01	Holly Berry	1

Sample Description: MW-12 Matrix Spike Dup Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-12

LLI Sample # WW 6549186
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 10:46 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	24	0.50	1.0	1
10943	Ethylbenzene	100-41-4	23	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	24	0.50	1.0	1
10943	Toluene	108-88-3	23	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	68	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/21/2012 23:29	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/21/2012 23:29	Holly Berry	1



Sample Description: MW-5 Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY MW-5

LLI Sample # WW 6549187
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012 09:40 by MG

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BR05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	1,000	5.0	10	10
10943	Ethylbenzene	100-41-4	110	5.0	10	10
10943	Methyl Tertiary Butyl Ether	1634-04-4	1,400	5.0	10	10
10943	Toluene	108-88-3	43	5.0	10	10
10943	Xylene (Total)	1330-20-7	100	5.0	10	10

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/22/2012 08:16	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/22/2012 08:16	Holly Berry	10

*=This limit was used in the evaluation of the final result

Sample Description: Trip Blank Water
BP 3887 COC: 187806
164 4th Ave - Brooklyn, NY

LLI Sample # WW 6549188
LLI Group # 1289991
Account # 12379

Project Name: BP 3887

Collected: 02/14/2012

Atlantic Richfield (Antea-NY)

Submitted: 02/15/2012 09:10

BP Corporation

Reported: 02/22/2012 18:56

501 WestLake Park Blvd.

Houston TX 77079

4BRTB

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10943	Benzene	71-43-2	< 0.50	0.50	1.0	1
10943	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
10943	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
10943	Toluene	108-88-3	< 0.50	0.50	1.0	1
10943	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10943	UST VOCs BTEX/MTBE 8260	SW-846 8260B	1	P120523AA	02/21/2012 22:06	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	P120523AA	02/21/2012 22:06	Holly Berry	1

Quality Control Summary

Client Name: Atlantic Richfield (Antea-NY)
Reported: 02/22/12 at 06:56 PM

Group Number: 1289991

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: P120523AA	Sample number(s): 6549170-6549188								
Benzene	< 0.50	0.50	1.0	ug/l	105		79-120		
Ethylbenzene	< 0.50	0.50	1.0	ug/l	101		79-120		
Methyl Tertiary Butyl Ether	< 0.50	0.50	1.0	ug/l	112		76-120		
Toluene	< 0.50	0.50	1.0	ug/l	103		79-120		
Xylene (Total)	< 0.50	0.50	1.0	ug/l	100		80-120		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: P120523AA	Sample number(s): 6549170-6549188 UNSPK: 6549184								
Benzene	108	121	80-126	12	30				
Ethylbenzene	105	117	71-134	11	30				
Methyl Tertiary Butyl Ether	109	121	72-126	10	30				
Toluene	105	117	80-125	10	30				
Xylene (Total)	103	114	79-125	11	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: UST VOCs BTEX/MTBE 8260

Batch number: P120523AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6549170	97	97	99	101
6549171	95	98	99	103
6549172	97	96	99	109
6549173	96	97	98	102
6549174	96	95	99	102
6549175	96	98	100	103
6549176	96	98	99	103
6549177	96	97	97	101
6549178	97	98	98	104

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield (Antea-NY)
Reported: 02/22/12 at 06:56 PM

Group Number: 1289991

Surrogate Quality Control

6549179	95	97	98	101
6549180	96	99	98	102
6549181	95	98	98	100
6549182	98	98	99	100
6549183	96	97	98	99
6549184	96	96	99	99
6549185	95	102	99	101
6549186	95	100	99	101
6549187	97	99	99	101
6549188	95	97	99	101
Blank	96	100	98	100
LCS	98	99	99	101
MS	95	102	99	101
MSD	95	100	99	101

Limits: 80-116 77-113 80-113 78-113

*- Outside of specification

** - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

Project Name: BP 3887
LLI Group #: 1289991

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

No additional comments are necessary.

BP/ARC Project Name: 164 4th Ave
 BP/ARC Facility No: 03887

Req Due Date (mm/dd/yy): Standards Rush TAT: Yes No
 Lab Work Order Number: _____

Lab Name: <u>Lancaster Laboratories</u>	BP/ARC Facility Address: <u>164 4th Ave</u>	Consultant/Contractor: <u>Anlea Group</u>
Lab Address: <u>2425 New Holland Pike</u>	City, State, ZIP Code: <u>Brooklyn, NY</u>	Consultant/Contractor Project No: <u>03887EA121EB080</u>
Lab PM: <u>Lancaster, PA</u>	Lead Regulatory Agency: <u>NYSDDEC</u>	Address: <u>500 Summit Lake Dr, Valhalla, NY</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>Chris Meyer</u>
Lab Shipping Acct:	Enfos Proposal No: <u>005P4-0002</u>	Phone: <u>914-495-9937</u>
Lab Bottle Order No: <u>116711</u>	Accounting Mode: Provision <input checked="" type="checkbox"/> OOC-BU <input type="checkbox"/> OOC-RM <input type="checkbox"/>	Email EDD To: <u>maria.gristis@anleagroup.com</u>
Other Info:	Stage: <u>40</u> Activity: <u>80</u>	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor <input type="checkbox"/>

BP/ARC EBM: <u>Nicholas Onufrak</u>				Matrix		No. Containers / Preservative						Requested Analyses						Report Type & QC Level				
EBM Phone: <u>(410) 825-8213</u>				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	BTX/MTBE	VIA EPA 8260							Standard <input type="checkbox"/>	Full Data Package <input type="checkbox"/>
EBM Email: <u>nicholas.onufrak@bp.com</u>																					Comments	
Lab No.	Sample Description	Date	Time																			
	MW-3	2-14-12	10:03	X			3															
	MW-15	2-14-12	10:32	X			3															
	MW-2	2-14-12	10:43	X			3															
	MW-4	2-14-12	10:18	X			3															
	MW-16	2-14-12	10:54	X			3															
	MW-7	2-14-12	11:07	X			3															
	MW-6	2-14-12	11:12	X			3															
	MW-1	2-14-12	11:24	X			3															
	MW-8	2-14-12	11:28	X			3															
	MW-9	2-14-12	09:54	X			3															

Sampler's Name: <u>M. Gristis</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Anlea Group</u>	<u>Stephanie Lehman</u>		<u>2/6/12</u>	<u>7:50</u>				
Shipment Method: <u>Fed Ex</u> Ship Date: <u>2/14/12</u>	<u>Maria Gristis</u>		<u>2/14/12</u>	<u>1400</u>				
Shipment Tracking No: <u>875329881139</u>					<u>Brian... 2-15-12 4:10</u>			

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals in Place: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Temp Blank: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	Cooler Temp on Receipt: <u>16</u> °F/C	Trip Blank: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No	MS/MSD Sample Submitted: <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No
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**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Antea Group
 Date of Receipt: 2-15-12
 Time of Receipt: 910
 Source Code: 50-1

Shipping Container Sealed: YES NO
 Custody Seal Present * : YES NO
 * Custody seal was intact unless otherwise noted in the discrepancy section
 Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	2783	1.6	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Brendy Burch 2299 Date/Time: 2-15-12 910

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers	Inorganic Qualifiers
A TIC is a possible aldol-condensation product	B Value is $<$ CRDL, but \geq IDL
B Analyte was also detected in the blank	E Estimated due to interference
C Pesticide result confirmed by GC/MS	M Duplicate injection precision not met
D Compound quantitated on a diluted sample	N Spike sample not within control limits
E Concentration exceeds the calibration range of the instrument	S Method of standard additions (MSA) used for calculation
N Presumptive evidence of a compound (TICs only)	U Compound was not detected
P Concentration difference between primary and confirmation columns $>$ 25%	W Post digestion spike out of control limits
U Compound was not detected	* Duplicate analysis not within control limits
X,Y,Z Defined in case narrative	+ Correlation coefficient for MSA $<$ 0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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