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July 28, 2017

Jeffrey Vought
NYSDEC Region 2
Hunters Point Plaza
47-40 21st Street – 2nd Floor
Long Island City, NY 11101-5401

**Re: Groundwater Monitoring Report – Second Quarter 2017
NYSDEC Spill Number 97-13442
BP Station Number 03887
164 4th Ave.
Brooklyn, Kings County, New York**

Dear Mr. Vought:

Antea Group has prepared the enclosed Groundwater Monitoring Report on behalf of Remediation Management Services Company (RMSC), a BP-affiliated company. The report details groundwater monitoring results from the above-referenced work site. Groundwater samples were collected on May 16, 2017.

The site is on a quarterly monitoring schedule. The next sampling event is scheduled for the month of August 2017.

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

Sincerely,
Antea Group

A handwritten signature in blue ink, appearing to read "Chris Meyer".

Christopher Meyer
Consultant

Encl. Groundwater Monitoring Report – Second Quarter 2017
Cc: Nicholas Onufrak – RMSC
Roe Wiczak
Kevin Kleaka - Impact Environmental Consulting, Inc.

BP STATION NUMBER 03887
GROUNDWATER MONITORING REPORT
(Second Quarter 2017)

Prepared For: Remediation Management Services Company
Prepared By: Antea Group
Report Date: 7/28/2017

GROUNDWATER GAUGING AND SAMPLING METHODS

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

GROUNDWATER 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 groundwater elevation contours calculated using the corrected water level elevations are illustrated in Figure 2. Hydrographs depicting historical groundwater elevation data for representative monitoring wells are included in Figure 3.

Groundwater 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 groundwater analytical data are also provided in Table 1 for reference, and hydrograph trends for selected wells are depicted on Figure 3.

CONCLUSIONS AND RECOMMENDATIONS

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

ATTACHMENTS

Figures:	Figure 1	Site Location Map
	Figure 2	Site Groundwater Contour/Analyte Concentration Map
	Figure 3	Groundwater Hydrographs
Tables:	Table 1	Groundwater Gauging and Analytical Data
Appendices:	Appendix A	Laboratory Analytical Results Report – May 16, 2017

LIMITATIONS

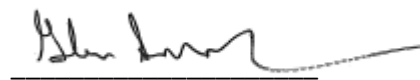
The recommendations contained in this report represent Antea Group's professional opinions based upon currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract 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:



Nathan Suhadolnik
Staff Professional

Reviewed by:



Glen Schrank
Project Manger

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



MW-13	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	2.5
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-14	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	1.2
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-5	
Chemical Name	Result (ug/L)
Benzene	170
Ethylbenzene	11
Methyl-tertiary-butyl ether	140
Toluene	12
Xylene (Total)	14

MW-16	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	14
Toluene	0.51
Xylene (Total)	1.0

MW-4	
Chemical Name	Result (ug/L)
Benzene	210
Ethylbenzene	350
Methyl-tertiary-butyl ether	21
Toluene	5.5
Xylene (Total)	350

MW-7	
Chemical Name	Result (ug/L)
Benzene	9.5
Ethylbenzene	3.0
Methyl-tertiary-butyl ether	52
Toluene	3.8
Xylene (Total)	8.4

MW-17	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	0.72
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-3	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	< 0.50
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-15	
Chemical Name	Result (ug/L)
Benzene	17
Ethylbenzene	1,600
Methyl-tertiary-butyl ether	< 2.5
Toluene	120
Xylene (Total)	4,600

MW-2	
Chemical Name	Result (ug/L)
Benzene	11
Ethylbenzene	870
Methyl-tertiary-butyl ether	23
Toluene	< 2.5
Xylene (Total)	850

MW-12	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	< 0.50
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-10	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	14
Toluene	< 0.50
Xylene (Total)	0.94

MW-9	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	0.77
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-8	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	< 0.50
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-1	
Chemical Name	Result (ug/L)
Benzene	100
Ethylbenzene	350
Methyl-tertiary-butyl ether	20
Toluene	56
Xylene (Total)	660

MW-6	
Chemical Name	Result (ug/L)
Benzene	410
Ethylbenzene	140
Methyl-tertiary-butyl ether	670
Toluene	37
Xylene (Total)	73

MW-12	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	< 0.50
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-10	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	14
Toluene	< 0.50
Xylene (Total)	0.94

MW-9	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	0.77
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-8	
Chemical Name	Result (ug/L)
Benzene	< 0.50
Ethylbenzene	< 0.50
Methyl-tertiary-butyl ether	< 0.50
Toluene	< 0.50
Xylene (Total)	< 0.50

MW-1	
Chemical Name	Result (ug/L)
Benzene	100
Ethylbenzene	350
Methyl-tertiary-butyl ether	20
Toluene	56
Xylene (Total)	660

MW-6	
Chemical Name	Result (ug/L)
Benzene	410
Ethylbenzene	140
Methyl-tertiary-butyl ether	670
Toluene	37
Xylene (Total)	73

- Legend**
- ➔ Inferred Direction of Groundwater Flow
 - Groundwater Elevation Contour (ft)
 - ▲ Vapor Cluster Well
 - ⊗ Monitoring Well
 - ⊘ Abandoned Monitoring Well

Compound	TOGS Series Maximum Allowable Concentration (ug/L)
Benzene	1
Ethylbenzene	5
Methy-tertiary-butyl-either	10
Toluene	5
Xylenes (total)	5

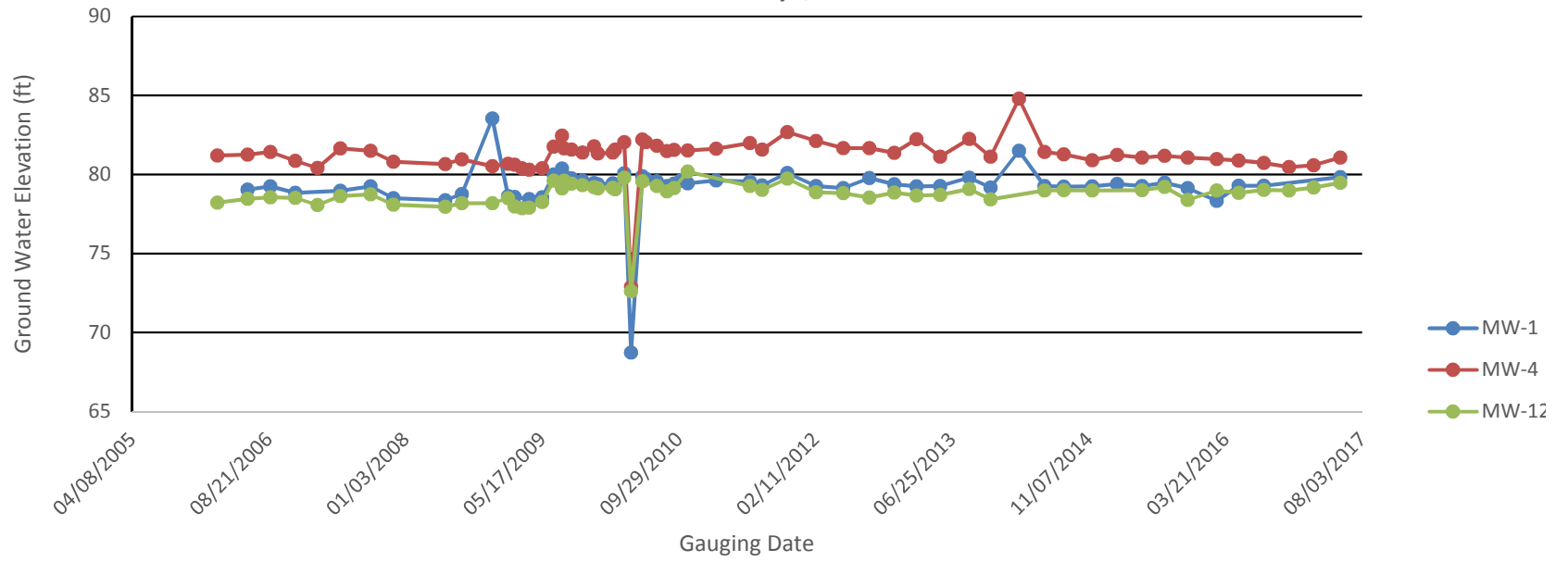
Values bolded in RED exceed NYSDEC TOGS WQS



FIGURE 2
 Site Groundwater Contour and Analyte Concentration Map
 May 16, 2017
 BP Station Number 03887
 164 4th Avenue
 Brooklyn, New York

PROJECT NO. BP#03887	PREPARED BY SAA	REF SCALE 1:360
DATE 7/18/2017	REVIEWED BY	MAP SCALE 1 inch = 30 feet

Figure 3
GROUNDWATER HYDROGRAPH
BP Station No. 03887
164 4th Ave.
Brooklyn, NY



Tables

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-1	2/27/2002	--	--	--	--	--				76.8	163	226	701	1,167	296	
MW-1	5/10/2002	--	--	--	--	--				79.5	146	233	835	1,294	309	
MW-1	8/8/2002	--	--	--	--	--				60.6	88.6	123	444	716.2	229	
MW-1	12/4/2002	--	--	--	--	--				165	197	278	886	1,526	554	
MW-1	3/26/2003	--	--	--	--	--				115	161	285	779	1,340	624	
MW-1	5/15/2003	--	--	--	--	--				127	223	325	1,050	1,725	647	
MW-1	9/14/2003	--	--	--	--	--				76.7	96.2	138	403	713.9	309	
MW-1	12/17/2003	--	--	--	--	--				70	127	185	542	924	114	
MW-1	2/11/2004	--	--	--	--	--				75.5	115	250	716	1,157	156	
MW-1	5/18/2004	--	--	--	--	--				52.6	76.8	197	540	866.4	70.8	
MW-1	8/18/2004	--	--	--	--	--				64.1	94.2	229	787	1,174	206	
MW-1	11/23/2004	--	--	--	--	--				85.6	80.1	215	481	862	166	
MW-1	2/15/2005	--	--	--	--	--				79.3	80.6	213	442	814.9	159	
MW-1	5/27/2005	--	--	--	--	--				89.3	80.2	260	539	968.5	248	
MW-1	9/7/2005	--	--	--	--	--				80.7	49	156	265	550.7	254	
MW-1	11/15/2005	--	--	--	--	--				530	2,850	297	801	4,478	291	
MW-1	2/15/2006	--	19.16	NP	--	--				658	3,770	613	1,910	6,951	73	
MW-1	6/6/2006	98.07	19.02	NP	--	79.05				682	1,990	712	2,280	5,664	49.3	
MW-1	8/28/2006	98.07	18.83	NP	--	79.24				703	1,620	842	2,490	5,655	42.9	
MW-1	11/27/2006	98.07	19.23	NP	--	78.84				379	261	388	350	1,378	118	
MW-1	2/17/2007	98.07	--	--	--	--	NS	Well Not Sampled No Access		--	--	--	--	--	--	
MW-1	5/11/2007	98.07	19.11	NP	--	78.96				241	118	218	126	703	87.9	
MW-1	8/30/2007	98.07	18.83	NP	--	79.24				19.2	5.3	4.8	19.7	49	58.5	
MW-1	11/21/2007	98.07	19.58	NP	--	78.49				42.4	8.7	22.7	32.5	106.3	51.6	
MW-1	2/25/2008	98.07	--	--	--	--	WI	No Access		--	--	--	--	--	--	
MW-1	5/29/2008	98.07	19.71	NP	--	78.36				200	47	260	350	857	120	
MW-1	7/29/2008	98.07	19.31	NP	--	78.76				120	40	150	100	410	170	
MW-1	11/17/2008	98.07	14.53	NP	--	83.54				140	190	210	370	910	74	
MW-1	1/14/2009	98.07	19.44	NP	--	78.63				--	--	--	--	--	--	
MW-1	2/6/2009	98.07	19.50	NP	--	78.57				170	190	330	790	1,480	45	
MW-1	3/5/2009	98.07	--	--	--	--	NO	No Access Snow Cover		--	--	--	--	--	--	
MW-1	4/1/2009	98.07	19.63	NP	--	78.44				--	--	--	--	--	--	
MW-1	5/18/2009	98.07	19.52	NP	--	78.55				240	46	390	580	1,256	52	
MW-1	6/30/2009	99.14	19.14	NP	--	80.00				--	--	--	--	--	--	
MW-1	7/30/2009	99.14	18.76	NP	--	80.38				--	--	--	--	--	--	
MW-1	8/6/2009	99.14	19.24	NP	--	79.90				180	29	270	190	669	92	
MW-1	9/3/2009	99.14	19.39	NP	--	79.75				--	--	--	--	--	--	
MW-1	10/13/2009	99.14	19.54	NP	--	79.60				--	--	--	--	--	--	
MW-1	11/23/2009	99.14	19.69	NP	--	79.45				300	58	380	300	1,038	470	
MW-1	12/8/2009	99.14	19.76	NP	--	79.38				--	--	--	--	--	--	
MW-1	1/31/2010	99.14	19.71	NP	--	79.43				--	--	--	--	--	--	
MW-1	2/9/2010	99.14	19.80	NP	--	79.34				260	57	390	450	1,157	340	
MW-1	3/15/2010	99.14	19.06	NP	--	80.08				210	140	520	850	1,720	66	
MW-1	4/8/2010	99.14	30.41	NP	--	68.73				--	--	--	--	--	--	
MW-1	5/19/2010	99.14	19.26	NP	--	79.88				1.1	0.62 J	0.58 J	0.83 J	3.13	7.9	
MW-1	6/2/2010	99.14	19.42	NP	--	79.72				--	--	--	--	--	--	
MW-1	7/12/2010	99.14	19.57	NP	--	79.57				--	--	--	--	--	--	
MW-1	8/18/2010	99.14	19.88	NP	--	79.26				140	56	120	110	426	680	
MW-1	9/13/2010	99.14	19.73	NP	--	79.41				--	--	--	--	--	--	
MW-1	10/7/2010	99.14	19.54	NP	--	79.60				--	--	--	--	--	--	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-1	11/1/2010	99.14	19.70	NP	--	79.44				180	420	350	530	1,480	70	
MW-1	2/14/2011	99.14	19.52	NP	--	79.62				240	590	400	1,000	2,230	130	
MW-1	6/17/2011	99.14	19.60	NP	--	79.54		Purge volumes are estimates	5.25	210	170	360	890	1,630	58	
MW-1	8/1/2011	99.14	19.83	NP	--	79.31		Purge volumes are estimates	5.25	180	110	290	660	1,240	61	
MW-1	11/1/2011	99.14	19.05	NP	--	80.09			5.55	210	190	400	980	1,780	54	
MW-1	2/14/2012	99.14	19.88	NP	--	79.26			5.00	180	100	350	730	1,360	31	
MW-1	5/24/2012	99.14	20.00	NP	--	79.14			5.00	37	14	86	96	233	14	
MW-1	8/27/2012	99.14	19.36	NP	--	79.78			7.00	140	62	230	460	892	20	
MW-1	11/26/2012	99.14	19.76	NP	--	79.38			5.00	110	370	260	590	1,330	10	
MW-1	2/15/2013	99.14	19.90	NP	--	79.24			5.00	130	630	370	910	2,040	8.1	
MW-1	5/13/2013	99.14	19.88	NP	--	79.26			5.00	120	780	340	960	2,200	6.4	
MW-1	8/27/2013	99.14	19.35	NP	--	79.79			5.25	85	380	410	1,000	1,875	4.4 J	
MW-1	11/13/2013	99.14	19.96	NP	--	79.18			5.00	2.7	6.5	35	38	82.2	2.7	
MW-1	2/25/2014	99.14	17.92	17.55	0.37	81.50		Purge volume not measured.	--	--	--	--	--	--	--	
MW-1	5/30/2014	99.14	19.88	NP	--	79.26		Purge volume not measured.	--	65	230	380	1,100	1,775	9.6	
MW-1	8/8/2014	99.14	19.91	NP	--	79.23		Purge volume not measured. Product detected in bailer	--	--	--	--	--	--	--	
MW-1	11/20/2014	99.14	19.90	NP	--	79.24			5.00	92	95	460	1,300	1,947	22	
MW-1	2/19/2015	99.14	19.75	NP	--	79.39			5.00	76	68	350	880	1,374	22	
MW-1	5/21/2015	99.14	19.87	NP	--	79.27			4.50	49	40	220	420	729	18	
MW-1	8/12/2015	99.14	19.66	NP	--	79.48			5.25	110	67	440	990	1,607	26	
MW-1	11/4/2015	99.14	20.00	NP	--	79.14			4.50	130	75	580	1,200	1,985	29	
MW-1	2/18/2016	99.14	20.82	NP	--	78.32			4.50	97	43	350	580	1,070	30	
MW-1	5/9/2016	99.14	19.86	NP	--	79.28			5.00	50	25	170	120	365	23	
MW-1	8/9/2016	99.14	19.86	NP	--	79.28	VO	Purge volume not measured.	--	--	--	--	--	--	--	
MW-1	11/9/2016	99.14	--	--	--	--	VO	Purge volume not measured.	--	--	--	--	--	--	--	
MW-1	2/7/2017	99.14	--	--	--	--	WO	Purge volume not measured.	--	--	--	--	--	--	--	
MW-1	5/16/2017	99.14	19.31	NP	--	79.83			5.25	100	56	350	660	1,166	20	
MW-2	2/27/2002	--	--	--	--	--				364	19.6	946	1,890	3,220	299	
MW-2	5/10/2002	--	--	--	--	--	NS	No Sample LNAPL (0.41 ft)		--	--	--	--	--	--	
MW-2	8/8/2002	--	--	--	--	--	NS	No Sample LNAPL (0.66 ft)		--	--	--	--	--	--	
MW-2	12/4/2002	--	--	--	--	--	NS	No Sample LNAPL (0.42 ft)		--	--	--	--	--	--	
MW-2	3/26/2003	--	--	--	--	--	NS	No Sample LNAPL (0.38 ft)		--	--	--	--	--	--	
MW-2	5/15/2003	--	--	--	--	--	NS	No Sample LNAPL (0.46 ft)		--	--	--	--	--	--	
MW-2	9/14/2003	--	--	--	--	--	NS	No Sample LNAPL (0.17 ft)		--	--	--	--	--	--	
MW-2	12/17/2003	--	--	--	--	--				581	104	9,570	34,500	44,755	521	
MW-2	2/11/2004	--	--	--	--	--				577	76	3,270	10,900	14,823	720	
MW-2	5/18/2004	--	--	--	--	--	NS	No Sample LNAPL (0.07 ft)		--	--	--	--	--	--	
MW-2	8/18/2004	--	--	--	--	--				438	27.2	1,460	3,480	5,405	411	
MW-2	11/23/2004	--	--	--	--	--	NS	No Sample LNAPL (0.02 ft)		--	--	--	--	--	--	
MW-2	2/15/2005	--	--	--	--	--				222	13.2 J	2,280	6,370	8,885	77.8	
MW-2	5/27/2005	--	--	--	--	--				146	4.7	778	1,810	2,739	133	
MW-2	9/7/2005	--	--	--	--	--				254	7.3	1,120	2,660	4,041	213	
MW-2	11/15/2005	--	--	--	--	--				487	14.5	1,420	4,130	6,052	386	
MW-2	2/15/2006	97.86	16.65	NP	--	81.21				607	34.3	3,470	8,420	12,531	658	
MW-2	6/6/2006	97.86	16.58	NP	--	81.28				388	12.2	1,500	3,710	5,610	311	
MW-2	8/28/2006	97.86	16.42	NP	--	81.44				305	13.4	1,520	3,820	5,658	308	
MW-2	11/27/2006	97.86	17.00	NP	--	80.86		Sheen		193	6.8	1,050	1,790	3,040	241	
MW-2	2/17/2007	97.86	17.52	17.44	0.08	80.40				--	--	--	--	--	--	
MW-2	5/11/2007	97.86	16.23	NP	--	81.63				87.1	2.8	728	1,310	2,128	53	
MW-2	8/30/2007	97.86	16.83	NP	--	81.03				146	6.4 J	786	1,320	2,258	239	

Table 1
BP Station No. 03887
164 4th Ave.
Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA						
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)
NYSDEC TOGS WQS									1	5	5	5	5	10	
MW-2	11/21/2007	97.86	17.14	NP	--	80.72	NS	Well Not Sampled Product Present	--	--	--	--	--	--	--
MW-2	2/25/2008	97.86	17.95	NP	--	79.91			200	< 10	1,200	1,100	2,500	150	
MW-2	5/29/2008	97.86	17.14	NP	--	80.72			250	< 5.0	450	330	1,030	220	
MW-2	7/29/2008	97.86	16.95	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	1/14/2009	97.86	17.16	NP	--	80.70			--	--	--	--	--	--	
MW-2	2/6/2009	97.86	17.26	NP	--	80.60			230	4.1 J	740	1,600	2,574	280	
MW-2	3/5/2009	97.86	17.49	17.46	0.03	80.39	NS		--	--	--	--	--	--	
MW-2	4/1/2009	97.86	17.61	17.57	0.04	80.28	NS		--	--	--	--	--	--	
MW-2	5/18/2009	97.86	17.51	17.47	0.04	80.38	NS		--	--	--	--	--	--	
MW-2	6/30/2009	98.97	17.16	NP	--	81.81			--	--	--	--	--	--	
MW-2	7/30/2009	98.97	17.85	NP	--	81.12			--	--	--	--	--	--	
MW-2	8/6/2009	98.97	17.31	NP	--	81.66			210	4.8	750	960	1,925	250	
MW-2	9/3/2009	98.97	17.38	NP	--	81.59			--	--	--	--	--	--	
MW-2	10/13/2009	98.97	17.58	17.57	0.01	81.40	NS		--	--	--	--	--	--	
MW-2	11/23/2009	98.97	17.69	NP	--	81.28			200	3.8	610	600	1,414	130	
MW-2	12/8/2009	98.97	17.64	NP	--	81.33			--	--	--	--	--	--	
MW-2	1/31/2010	98.97	17.57	NP	--	81.40			--	--	--	--	--	--	
MW-2	2/9/2010	98.97	17.59	NP	--	81.38			140	3.1	440	340	923.1	87	
MW-2	3/15/2010	98.97	16.89	NP	--	82.08			130	2.2	230	68	430.2	61	
MW-2	4/8/2010	98.97	28.67	NP	--	70.30			--	--	--	--	--	--	
MW-2	5/19/2010	98.97	16.72	NP	--	82.25			160	2.6	520	350	1,033	120	
MW-2	6/2/2010	98.97	16.89	NP	--	82.08			--	--	--	--	--	--	
MW-2	7/12/2010	98.97	17.13	NP	--	81.84			--	--	--	--	--	--	
MW-2	8/18/2010	98.97	17.46	NP	--	81.51			120	2.9 J	880	1,400	2,403	110	
MW-2	9/13/2010	98.97	17.41	NP	--	81.56			--	--	--	--	--	--	
MW-2	10/7/2010	98.97	17.34	NP	--	81.63			--	--	--	--	--	--	
MW-2	11/1/2010	98.97	17.45	NP	--	81.52			110	2.7	880	1,200	2,193	85	
MW-2	2/14/2011	98.97	17.32	NP	--	81.65			99	2.7 J	400	480	981.7	74	
MW-2	6/17/2011	98.97	16.96	NP	--	82.01		Purge volumes are estimates	5.25	94	< 5.0	650	720	1,464	87
MW-2	8/1/2011	98.97	17.38	NP	--	81.59		Purge volumes are estimates	5	110	2.3 J	570	530	1,212	110
MW-2	11/1/2011	98.97	16.26	NP	--	82.71			5.50	76	< 2.5	580	460	1,116	77
MW-2	2/14/2012	98.97	16.85	NP	--	82.12			5.25	100	2	570	500	1,172	93
MW-2	5/24/2012	98.97	17.29	NP	--	81.68			5.00	110	1.4	350	250	711.4	62
MW-2	8/27/2012	98.97	17.30	NP	--	81.67			5.00	130	< 5.0	840	600	1,570	120
MW-2	11/26/2012	98.97	17.56	NP	--	81.41			5.00	91	< 5.0	370	300	761	74
MW-2	2/15/2013	98.97	16.72	NP	--	82.25			5.25	41	< 5.0	800	760	1,601	34
MW-2	5/13/2013	98.97	9.51	NP	--	89.46			9.00	56	1.9 J	570	340	967.9	29
MW-2	8/27/2013	98.97	16.67	NP	--	82.30			5.50	55	5.9	1,500	1,700	3,261	21
MW-2	11/13/2013	98.97	17.75	NP	--	81.22			5.00	41	2.4	850	540	1,433	17
MW-2	2/25/2014	98.97	13.12	NP	--	85.85			7.25	< 5.0	< 5.0	420	750	1,170	< 5.0
MW-2	5/30/2014	98.97	17.52	NP	--	81.45		Purge volume not measured.		9.9	4.1 J	1,800	2,700	4,514	< 2.5
MW-2	8/8/2014	98.97	17.69	NP	--	81.28			5.00	8.5	2.6 J	1,700	2,400	4,111	< 2.5
MW-2	11/20/2014	98.97	18.06	18.05	0.01	80.92	NS	Purge volume not measured.		--	--	--	--	--	
MW-2	2/19/2015	98.97	17.70	NP	--	81.27			2.00	3.9	2.9	760	870	1,637	1.2
MW-2	5/21/2015	98.97	17.88	NP	--	81.09			4.50	< 5.0	< 5.0	1,200	940	2,140	5.1 J
MW-2	8/12/2015	98.97	17.80	NP	--	81.17			5.00	6.3 J	< 5.0	1,500	1,800	3,306	6.6 J
MW-2	11/4/2015	98.97	17.79	NP	--	81.18			4.50	5.6	< 2.5	1,300	1,300	2,606	6.2
MW-2	2/18/2016	98.97	18.00	NP	--	80.97			4.75	3.8	1.3	700	740	1,445	4.2
MW-2	5/9/2016	98.97	18.08	NP	--	80.89			4.75	5.4 J	< 5.0	1,100	920	2,025	9.1 J

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-2	8/9/2016	98.97	18.22	NP	--	80.75			4.75	8.4	1.5	900	710	1,620	13	
MW-2	11/9/2016	98.97	18.50	18.49	0.01	80.48	NS	Purge volume not measured.		--	--	--	--	--	--	
MW-2	2/7/2017	98.97	18.41	NP	--	80.56			4.75	6.2	< 2.5	750	710	1,466	7.9	
MW-2	5/16/2017	98.97	17.90	NP	--	81.07			5.00	11	< 2.5	870	850	1,731	23	
MW-3	2/27/2002	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	5/10/2002	--	--	--	--	--				< 0.5	0.875	1.08	7.97	10	< 10	
MW-3	8/8/2002	--	--	--	--	--				< 0.5	< 0.5	< 0.5	< 0.5	ND	< 10	
MW-3	12/4/2002	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	3/26/2003	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	5/15/2003	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	9/14/2003	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	0.48	
MW-3	12/17/2003	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	2/11/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	0.79	
MW-3	5/18/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	ND	
MW-3	8/18/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	11/23/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	11/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	2/15/2006	97.91	16.72	NP	--	81.19				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	6/6/2006	97.91	16.59	NP	--	81.32				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	8/28/2006	97.91	16.46	NP	--	81.45				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	11/27/2006	97.91	16.99	NP	--	80.92				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	2/17/2007	97.91	17.46	NP	--	80.45				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	5/11/2007	97.91	16.19	NP	--	81.72				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	8/30/2007	97.91	16.37	NP	--	81.54				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	11/21/2007	97.91	17.12	NP	--	80.79				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-3	2/25/2008	97.91	16.95	NP	--	80.96				< 0.50	< 0.50	< 0.50	1.0J	1	< 0.50	
MW-3	5/29/2008	97.91	17.15	NP	--	80.76				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	7/29/2008	97.91	16.93	NP	--	80.98				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/17/2008	97.91	17.84	NP	--	80.07				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	1/14/2009	97.91	17.22	NP	--	80.69				--	--	--	--	--	--	
MW-3	2/6/2009	97.91	17.27	NP	--	80.64				< 0.50	0.55J	< 0.50	0.82J	1.37	< 0.50	
MW-3	3/5/2009	97.91	17.51	NP	--	80.40				--	--	--	--	--	--	
MW-3	4/1/2009	97.91	17.63	NP	--	80.28				--	--	--	--	--	--	
MW-3	5/18/2009	97.91	17.45	NP	--	80.46				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	6/30/2009	99.03	17.19	NP	--	81.84				--	--	--	--	--	--	
MW-3	7/30/2009	99.03	16.36	NP	--	82.67				--	--	--	--	--	--	
MW-3	8/6/2009	99.03	17.30	NP	--	81.73				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	9/3/2009	99.03	17.40	NP	--	81.63				--	--	--	--	--	--	
MW-3	10/13/2009	99.03	17.59	NP	--	81.44				--	--	--	--	--	--	
MW-3	11/23/2009	99.03	17.66	NP	--	81.37				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	12/8/2009	99.03	17.54	NP	--	81.49				--	--	--	--	--	--	
MW-3	1/31/2010	99.03	17.57	NP	--	81.46				--	--	--	--	--	--	
MW-3	2/9/2010	99.03	17.61	NP	--	81.42				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	3/15/2010	99.03	16.84	NP	--	82.19				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	4/8/2010	99.03	31.58	NP	--	67.45				--	--	--	--	--	--	
MW-3	5/19/2010	99.03	16.74	NP	--	82.29				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	6/2/2010	99.03	16.88	NP	--	82.15				--	--	--	--	--	--	

Table 1
 BP Station No. 03887
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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS																
MW-3	7/12/2010	99.03	17.15	NP	--	81.88				1	5	5	5	NGV	10	
MW-3	8/18/2010	99.03	18.47	NP	--	80.56				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	9/13/2010	99.03	17.41	NP	--	81.62				--	--	--	--	--	--	
MW-3	10/7/2010	99.03	17.36	NP	--	81.67				--	--	--	--	--	--	
MW-3	11/1/2010	99.03	17.42	NP	--	81.61				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/14/2011	99.03	17.29	NP	--	81.74				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	6/17/2011	99.03	16.89	NP	--	82.14		Purge volumes are estimates	7.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/1/2011	99.03	17.30	NP	--	81.73		Purge volumes are estimates	7	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/1/2011	99.03	16.15	NP	--	82.88			7.50	15	< 0.50	< 0.50	< 0.50	15	5.7	
MW-3	2/14/2012	99.03	16.80	NP	--	82.23			7.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	5/24/2012	99.03	17.32	NP	--	81.71			7.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/27/2012	99.03	17.32	NP	--	81.71			6.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/26/2012	99.03	11.60	NP	--	87.43			10.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/15/2013	99.03	16.60	NP	--	82.43			7.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-3	5/13/2013	99.03	9.33	NP	--	89.70			10.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/27/2013	99.03	16.68	NP	--	82.35			7.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/13/2013	99.03	17.80	NP	--	81.23			6.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/25/2014	99.03	14.07	NP	--	84.96			8.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	5/30/2014	99.03	17.55	NP	--	81.48		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/8/2014	99.03	17.68	NP	--	81.35			6.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/20/2014	99.03	18.09	NP	--	80.94			6.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/19/2015	99.03	17.70	NP	--	81.33			6.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	5/21/2015	99.03	17.88	NP	--	81.15			6.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/12/2015	99.03	17.80	NP	--	81.23			6.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	11/4/2015	99.03	17.85	NP	--	81.18			6.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/18/2016	99.03	17.97	NP	--	81.06			6.25	< 0.50	0.59 J	0.55 J	2.6	3.74	< 0.50	
MW-3	5/9/2016	99.03	18.10	NP	--	80.93			6.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	8/9/2016	99.03	18.22	NP	--	80.81			6.00	< 0.50	1.2	< 0.50	< 0.50	1.2	< 0.50	
MW-3	11/9/2016	99.03	18.52	NP	--	80.51			6.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-3	2/7/2017	99.03	18.39	NP	--	80.64			5.50	< 0.50	< 0.50	< 0.50	0.57 J	0.57	< 0.50	
MW-3	5/16/2017	99.03	17.90	NP	--	81.13			6.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-4	2/27/2002	--	--	--	--	--				1,440	817	468	1,860	4,585	9,320	
MW-4	5/10/2002	--	--	--	--	--				1,530	8,370	1,240	6,550	17,690	5,370	
MW-4	8/8/2002	--	--	--	--	--	NS	No Sample LNAPL (0.05 ft)		--	--	--	--	--	--	
MW-4	12/4/2002	--	--	--	--	--	NS	No Sample LNAPL (0.37 ft)		--	--	--	--	--	--	
MW-4	3/26/2003	--	--	--	--	--	NS	No Sample LNAPL (0.29 ft)		--	--	--	--	--	--	
MW-4	5/15/2003	--	--	--	--	--	NS	No Sample LNAPL (0.39 ft)		--	--	--	--	--	--	
MW-4	9/14/2003	--	--	--	--	--				81.5	273	101	443	898.5	10.3	
MW-4	12/17/2003	--	--	--	--	--				1,660	13,600	4,750	24,700	44,710	212	
MW-4	2/11/2004	--	--	--	--	--				1,300	2,000	1,050	4,350	8,700	127	
MW-4	5/18/2004	--	--	--	--	--				608	922	657	2,610	4,797	55	
MW-4	8/18/2004	--	--	--	--	--				1,390	4,830	1,850	8,970	17,040	142	
MW-4	11/23/2004	--	--	--	--	--				1,330	3,710	1,660	6,660	13,360	158	
MW-4	2/15/2005	--	--	--	--	--				1,260	4,280	1,880	8,970	16,390	131	
MW-4	5/27/2005	--	--	--	--	--				430	2,050	1,010	4,700	8,190	39.4	
MW-4	9/7/2005	--	--	--	--	--				387	1,430	880	3,150	5,847	51	
MW-4	11/15/2005	--	--	--	--	--				936	5,660	1,800	9,520	17,916	119	
MW-4	2/15/2006	98.61	17.41	NP	--	81.20				1,080	4,210	1,310	6,250	12,850	98.3	
MW-4	6/6/2006	98.61	17.36	NP	--	81.25				987	3,760	1,790	8,670	15,207	82	
MW-4	8/28/2006	98.61	17.18	NP	--	81.43				1,610	4,170	1,680	6,790	14,250	121	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-4	11/27/2006	98.61	17.75	NP	--	80.86				1,040	1,220	906	3,200	6,366	145	
MW-4	2/17/2007	98.61	18.20	NP	--	80.41				1,400	282	501	1,460	3,643	50.4	
MW-4	5/11/2007	98.61	16.97	NP	--	81.64				730	834	464	1,360	3,388	33.6	
MW-4	8/30/2007	98.61	17.12	NP	--	81.49				805	484	847	3,000	5,136	265	
MW-4	11/21/2007	98.61	17.81	NP	--	80.80				1,270	749	1,390	5,070	8,479	450	
MW-4	2/25/2008	98.61	--	--	--	--	WI	No Access		--	--	--	--	--	--	
MW-4	5/29/2008	98.61	17.96	NP	--	80.65				1,100	66	390	1,400	2,956	53	
MW-4	7/29/2008	98.61	17.65	NP	--	80.96				250	8.9	80	110	448.9	14	
MW-4	11/17/2008	98.61	18.08	NP	--	80.53				560	54	610	1,800	3,024	130	
MW-4	1/14/2009	98.61	17.93	NP	--	80.68				--	--	--	--	--	--	
MW-4	2/6/2009	98.61	18.00	NP	--	80.61				740	160	1,200	4,800	6,900	220	
MW-4	3/5/2009	98.61	18.21	NP	--	80.40				--	--	--	--	--	--	
MW-4	4/1/2009	98.61	18.32	NP	--	80.29				--	--	--	--	--	--	
MW-4	5/18/2009	98.61	18.22	NP	--	80.39				1,100	62	1,100	4,100	6,362	230	
MW-4	6/30/2009	99.67	17.91	NP	--	81.76				--	--	--	--	--	--	
MW-4	7/30/2009	99.67	17.22	NP	--	82.45				--	--	--	--	--	--	
MW-4	8/6/2009	99.67	18.02	NP	--	81.65				300	10	180	620	1,110	78	
MW-4	9/3/2009	99.67	18.09	NP	--	81.58				--	--	--	--	--	--	
MW-4	10/13/2009	99.67	18.28	NP	--	81.39				--	--	--	--	--	--	
MW-4	11/23/2009	99.67	17.89	NP	--	81.78				1,400	100	1,900	6,400	9,800	580	
MW-4	12/8/2009	99.67	18.34	NP	--	81.33				--	--	--	--	--	--	
MW-4	1/31/2010	99.67	18.28	NP	--	81.39				--	--	--	--	--	--	
MW-4	2/9/2010	99.67	18.10	NP	--	81.57				450	22	420	1,600	2,492	100	
MW-4	3/15/2010	99.67	17.63	NP	--	82.04				500	45	500	1,600	2,645	90	
MW-4	4/8/2010	99.67	26.78	NP	--	72.89				--	--	--	--	--	--	
MW-4	5/19/2010	99.67	17.46	NP	--	82.21				400	19	410	1,100	1,929	140	
MW-4	6/2/2010	99.67	17.63	NP	--	82.04				--	--	--	--	--	--	
MW-4	7/12/2010	99.67	17.85	NP	--	81.82				--	--	--	--	--	--	
MW-4	8/18/2010	99.67	18.19	NP	--	81.48				720	450	1,300	5,400	7,870	180	
MW-4	9/13/2010	99.67	18.12	NP	--	81.55				--	--	--	--	--	--	
MW-4	10/7/2010	99.67	--	--	--	--	VO	Not Gauged Car Parked Over Well		--	--	--	--	--	--	
MW-4	11/1/2010	99.67	18.16	NP	--	81.51				670	490	1,200	5,100	7,460	120	
MW-4	2/14/2011	99.67	18.04	NP	--	81.63				760	360	810	3,200	5,130	110	
MW-4	6/17/2011	99.67	17.68	NP	--	81.99		Purge volumes are estimates	4.50	640	390	790	3,100	4,920	160	
MW-4	8/1/2011	99.67	18.10	NP	--	81.57		Purge volumes are estimates	4.25	320	130	370	1,900	2,720	57	
MW-4	11/1/2011	99.67	17.00	NP	--	82.67			5.00	410	140	660	2,400	3,610	100	
MW-4	2/14/2012	99.67	17.56	NP	--	82.11			3.00	380	96	810	2,900	4,186	180	
MW-4	5/24/2012	99.67	18.00	NP	--	81.67			4.50	540	18	510	1,900	2,968	72	
MW-4	8/27/2012	99.67	18.00	NP	--	81.67			4.00	830	42	1,500	4,800	7,172	180	
MW-4	11/26/2012	99.67	18.30	NP	--	81.37			4.00	330	7.5 J	390	1,300	2,028	88	
MW-4	2/15/2013	99.67	17.45	NP	--	82.22			4.00	730	19	870	3,000	4,619	130	
MW-4	5/13/2013	99.67	18.54	NP	--	81.13			5.00	490	9.3 J	550	1,000	2,049	190	
MW-4	8/27/2013	99.67	17.43	NP	--	82.24			5.00	120	6.1	170	470	766	39	
MW-4	11/13/2013	99.67	18.55	NP	--	81.12			4.00	860	340	850	2,900	4,950	140	
MW-4	2/25/2014	99.67	14.88	NP	--	84.79			6.00	450	19	350	800	1,619	54	
MW-4	5/30/2014	99.67	18.25	NP	--	81.42		Purge volume not measured.		550	< 2.5	280	100	930	70	
MW-4	8/8/2014	99.67	18.40	NP	--	81.27			4.25	270	< 2.5	270	63	603	62	
MW-4	11/20/2014	99.67	18.78	NP	--	80.89			4.00	240	2	270	130	642	76	
MW-4	2/19/2015	99.67	18.44	NP	--	81.23			4.00	89	1.4	36	13	139.4	21	
MW-4	5/21/2015	99.67	18.60	NP	--	81.07			4.00	36	< 0.50	73	26	135	9.3	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-4	8/12/2015	99.67	18.50	NP	--	81.17			4.25	80	< 2.5	130	80	290	15	
MW-4	11/4/2015	99.67	18.60	NP	--	81.07			4.00	180	3	93	91	367	12	
MW-4	2/18/2016	99.67	18.70	NP	--	80.97			4.00	110	< 2.5	110	340	560	15	
MW-4	5/9/2016	99.67	18.79	NP	--	80.88			4.00	88	2.1	48	66	204.1	7.8	
MW-4	8/9/2016	99.67	18.95	NP	--	80.72			4.00	87	2.1	16	15	120.1	7.8	
MW-4	11/9/2016	99.67	19.20	NP	--	80.47			3.75	56	< 2.5	16	14	86	7	
MW-4	2/7/2017	99.67	19.09	NP	--	80.58			4.00	100	3.7	170	170	443.7	13	
MW-4	5/16/2017	99.67	18.60	NP	--	81.07			4.00	210	5.5	350	350	915.5	21	
MW-5	2/27/2002	--	--	--	--	--				2,650	110	497	264	3,521	46,800	
MW-5	5/10/2002	--	--	--	--	--				1,950	457	542	793	3,742	17,600	
MW-5	8/8/2002	--	--	--	--	--				1,320	202	449	679	2,650	8,410	
MW-5	12/4/2002	--	--	--	--	--				2,250	290	407	656	3,603	26,300	
MW-5	3/26/2003	--	--	--	--	--				3,520	351	517	1,230	5,618	99,100	
MW-5	5/15/2003	--	--	--	--	--				2,620	735	512	1,230	5,097	49,000	
MW-5	9/14/2003	--	--	--	--	--				2,820	400	285	866	4,371	25,900	
MW-5	12/17/2003	--	--	--	--	--				1,960	266	200	529	2,955	16,200	
MW-5	2/11/2004	--	--	--	--	--				1,860	223	270	667	3,020	15,900	
MW-5	5/18/2004	--	--	--	--	--				1,400	306	363	1,150	3,219	7,820	
MW-5	8/18/2004	--	--	--	--	--				1,240	391	467	1,560	3,658	11,700	
MW-5	11/23/2004	--	--	--	--	--				2,280	110	322	811	3,523	21,900	
MW-5	2/15/2005	--	--	--	--	--				2,000	53.8 J	122	313	2,489	22,500	
MW-5	5/27/2005	--	--	--	--	--				1,730	75.7	109	262	2,177	18,200	
MW-5	9/7/2005	--	--	--	--	--				1,380	47.5	118	315	1,861	13,900	
MW-5	11/15/2005	--	--	--	--	--				2,980	78.6	148	290	3,497	37,500	
MW-5	2/15/2006	98.90	20.38	NP	--	78.52				2,700	73.7	139	404	3,317	9,240	
MW-5	6/6/2006	98.90	20.23	NP	--	78.67				2,670	43.3	75.9	285	3,074	2,810	
MW-5	8/28/2006	98.90	20.05	NP	--	78.85				2,930	41.9	75.8	190	3,238	1,520	
MW-5	11/27/2006	98.90	20.27	NP	--	78.63				3,060	27.5	51.5	62.3	3,201	1,690	
MW-5	2/17/2007	98.90	20.73	NP	--	78.17				1,710	60.8	427	936	3,134	5,580	
MW-5	5/11/2007	98.90	20.19	NP	--	78.71				3,370	43.3	89	71.2	3,574	12,500	
MW-5	8/30/2007	98.90	19.94	NP	--	78.96				2,110	35.3 J	198	278	2,621	17,900	
MW-5	11/21/2007	98.90	20.59	NP	--	78.31				2,610	30.7	84.9	105	2,831	22,800	
MW-5	2/25/2008	98.90	20.47	NP	--	78.43				1,900	25	61	49	2,035	20,000	
MW-5	5/29/2008	98.90	20.75	NP	--	78.15				1,600	23	140	130	1,893	16,000	
MW-5	7/29/2008	98.90	20.45	NP	--	78.45				1,200	35	98	110	1,443	7,000	
MW-5	11/17/2008	98.90	20.24	NP	--	78.66				1,200	28	330	290	1,848	5,800	
MW-5	1/14/2009	98.90	20.51	NP	--	78.39				--	--	--	--	--	--	
MW-5	2/6/2009	98.90	20.59	NP	--	78.31				1,600	41	140	110	1,891	14,000	
MW-5	3/5/2009	98.90	20.76	NP	--	78.14				--	--	--	--	--	--	
MW-5	4/1/2009	98.90	20.77	NP	--	78.13				--	--	--	--	--	--	
MW-5	5/18/2009	98.90	20.59	NP	--	78.31				1,000	17	83	76	1,176	2,400	
MW-5	6/30/2009	100.02	19.46	NP	--	80.56				--	--	--	--	--	--	
MW-5	7/30/2009	100.02	19.84	NP	--	80.18				--	--	--	--	--	--	
MW-5	8/6/2009	100.02	20.26	NP	--	79.76				820	15	37	36	908	1,600	
MW-5	9/3/2009	100.02	--	--	--	--	WI	No Access		--	--	--	--	--	--	
MW-5	10/13/2009	100.02	20.52	NP	--	79.50				--	--	--	--	--	--	
MW-5	11/23/2009	100.02	20.71	NP	--	79.31				630	22	180	98	930	1,600	
MW-5	12/8/2009	100.02	20.80	NP	--	79.22				--	--	--	--	--	--	
MW-5	1/31/2010	100.02	--	--	--	--	VO	Not Gauged Car parked Over Well		--	--	--	--	--	--	
MW-5	2/9/2010	100.02	20.79	NP	--	79.23				460	21	150	79	710	1,200	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-5	3/15/2010	100.02	20.13	NP	--	79.89				510	16	44	24	594	2,100	
MW-5	4/8/2010	100.02	29.23	NP	--	70.79				--	--	--	--	--	--	
MW-5	5/19/2010	100.02	20.33	NP	--	79.69				730	25	200	140	1,095	6,400	
MW-5	6/2/2010	100.02	20.48	NP	--	79.54				--	--	--	--	--	--	
MW-5	7/12/2010	100.02	20.67	NP	--	79.35				--	--	--	--	--	--	
MW-5	8/18/2010	100.02	20.94	NP	--	79.08				990	38	260	210	1,498	3,400	
MW-5	9/13/2010	100.02	20.75	NP	--	79.27				--	--	--	--	--	--	
MW-5	10/7/2010	100.02	20.56	NP	--	79.46				--	--	--	--	--	--	
MW-5	11/1/2010	100.02	20.74	NP	--	79.28				780	37	230	150	1,197	2,400	
MW-5	2/14/2011	100.02	20.53	NP	--	79.49				930	58	110	91	1,189	4,500	
MW-5	6/17/2011	100.02	20.61	NP	--	79.41		Purge volumes are estimates	4.25	800	49	160	120	1,129	1,400	
MW-5	8/1/2011	100.02	20.81	NP	--	79.21		Purge volumes are estimates	4	770	51	140	130	1,091	1,700	
MW-5	11/1/2011	100.02	20.11	NP	--	79.91			4.50	840	37	65	77	1,019	2,000	
MW-5	2/14/2012	100.02	20.91	NP	--	79.11			4.00	1,000	43	110	100	1,253	1,400	
MW-5	5/24/2012	100.02	21.04	NP	--	78.98			4.00	570	18	28	41	657	1,000	
MW-5	8/27/2012	100.02	20.35	NP	--	79.67			4.25	560	17	28	36	641	790	
MW-5	11/26/2012	100.02	20.87	NP	--	79.15			4.00	1,100	48	130	120	1,398	1,300	
MW-5	2/15/2013	100.02	21.85	NP	--	78.17			4.00	1,200	42	92	140	1,474	780	
MW-5	5/13/2013	100.02	21.09	NP	--	78.93			4.00	1,200	76	230	270	1,776	1,200	
MW-5	8/27/2013	100.02	20.69	NP	--	79.33			4.25	870	46	51	230	1,197	390	
MW-5	11/13/2013	100.02	21.20	NP	--	78.82			4.00	910	29	46	76	1,061	340	
MW-5	2/25/2014	100.02	19.64	NP	--	80.38			5.00	880	110	380	340	1,710	1,600	
MW-5	5/30/2014	100.02	20.90	NP	--	79.12		Purge volume not measured.		230	5.5	50	8.6	294.1	240	
MW-5	8/8/2014	100.02	20.94	NP	--	79.08			4.00	130	5.4	100	5.9	241.3	130	
MW-5	11/20/2014	100.02	20.92	NP	--	79.10			4.25	160	13	25	18	216	240	
MW-5	2/19/2015	100.02	20.75	NP	--	79.27			4.00	91	12	20	12	135	350	
MW-5	5/21/2015	100.02	20.90	NP	--	79.12			4.00	140	11	21	16	188	350	
MW-5	8/12/2015	100.02	20.69	NP	--	79.33			4.25	140	7.7	20	12	179.7	280	
MW-5	11/4/2015	100.02	21.24	NP	--	78.78			4.00	380	18	25	41	464	330	
MW-5	2/18/2016	100.02	20.85	NP	--	79.17			4.00	290	17	22	31	360	260	
MW-5	5/9/2016	100.02	20.97	NP	--	79.05			4.00	260	13	18	31	322	210	
MW-5	8/9/2016	100.02	20.55	NP	--	79.47			4.50	250	18	23	32	323	230	
MW-5	11/9/2016	100.02	20.90	NP	--	79.12			4.25	250	13	13	21	297	190	
MW-5	2/7/2017	100.02	20.70	NP	--	79.32			4.25	190	11	15	18	234	140	
MW-5	5/16/2017	100.02	20.40	NP	--	79.62			4.25	170	12	11	14	207	140	
MW-6	3/26/2003	--	--	--	--	--				89.6	182	37.9	154	463.5	9,400	
MW-6	5/15/2003	--	--	--	--	--				91.1	213	54	248	606.1	10,100	
MW-6	9/14/2003	--	--	--	--	--				1,480	1,390	631	2,040	5,541	386,000	
MW-6	12/17/2003	--	--	--	--	--				217	50.4	46.3 J	123	390.4	63,500	
MW-6	2/11/2004	--	--	--	--	--				168	53.9	55.1	170	447	34,100	
MW-6	5/18/2004	--	--	--	--	--				74.5	6.9	14.4	48.2	144	2,490	
MW-6	8/18/2004	--	--	--	--	--				252	328	81.3 J	275	936.3	38,500	
MW-6	11/23/2004	--	--	--	--	--				56.7	4.6 J	6.3	26.5	94.1	1,730	
MW-6	2/15/2005	--	--	--	--	--				35	6.1 J	3.2 J	20	64.3	1,160	
MW-6	5/27/2005	--	--	--	--	--				23.5	3	2.4	14	42.9	899	
MW-6	9/7/2005	--	--	--	--	--				9.9	1.6 J	7.2	11.8	30.5	795	
MW-6	11/15/2005	--	--	--	--	--				303	60.5 J	35.9 J	81.1 J	480.5	298,000	
MW-6	2/15/2006	98.69	19.79	NP	--	78.90				1,130	526	342	1,010	3,008	131,000	
MW-6	6/6/2006	98.69	19.64	NP	--	79.05				1,610	268	410	1,060	3,348	133,000	
MW-6	8/28/2006	98.69	19.45	NP	--	79.24				1,590	165	499	1,350	3,604	109,000	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-6	11/27/2006	98.69	19.82	NP	--	78.87				20.7	4	7.6	22.9	55.2	791	
MW-6	2/17/2007	98.69	20.28	NP	--	78.41				21.7	4.6 J	9.1	23.4	58.8	1,120	
MW-6	5/11/2007	98.69	19.68	NP	--	79.01				16.1	2.4	1.5	8.2	28.2	108	
MW-6	8/30/2007	98.69	19.42	NP	--	79.27				11.6	5	10.4	15.2	42.2	1,280	
MW-6	11/21/2007	98.69	20.11	NP	--	78.58				7.9	3.9	5.3	10.6	27.7	124	
MW-6	2/25/2008	98.69	20.85	NP	--	77.84				24	5.6	9	23	61.6	5,000	
MW-6	5/29/2008	98.69	20.25	NP	--	78.44				13	3.6	8.4	16	41	210	
MW-6	7/29/2008	98.69	19.92	NP	--	78.77				550	87	170	250	1,057	72,000	
MW-6	11/17/2008	98.69	20.07	NP	--	78.62				31	6.8	34	29	100.8	760	
MW-6	1/14/2009	98.69	19.97	NP	--	78.72				--	--	--	--	--	--	
MW-6	2/6/2009	98.69	20.00	NP	--	78.69				160	19 J	47	53	279	29,000	
MW-6	3/5/2009	98.69	20.17	NP	--	78.52				--	--	--	--	--	--	
MW-6	4/1/2009	98.69	20.21	NP	--	78.48				--	--	--	--	--	--	
MW-6	5/18/2009	98.69	20.12	NP	--	78.57				34	4.5	13	16	67.5	230	
MW-6	6/30/2009	99.82	19.74	NP	--	80.08				--	--	--	--	--	--	
MW-6	7/30/2009	99.82	19.73	NP	--	80.09				--	--	--	--	--	--	
MW-6	8/6/2009	99.82	19.82	NP	--	80.00				12	3.4	6.4	8.5	30.3	92	
MW-6	9/3/2009	99.82	20.00	NP	--	79.82				--	--	--	--	--	--	
MW-6	10/13/2009	99.82	20.12	NP	--	79.70				--	--	--	--	--	--	
MW-6	11/23/2009	99.82	20.21	NP	--	79.61				20	5.2	15	19	59.2	84	
MW-6	12/8/2009	99.82	20.31	NP	--	79.51				--	--	--	--	--	--	
MW-6	1/31/2010	99.82	20.29	NP	--	79.53				--	--	--	--	--	--	
MW-6	2/9/2010	99.82	20.32	NP	--	79.50				15	4.1	6	15	40.1	87	
MW-6	3/15/2010	99.82	19.73	NP	--	80.09				90	<10	21	23	134	20,000	
MW-6	4/8/2010	99.82	24.50	NP	--	75.32				--	--	--	--	--	--	
MW-6	5/19/2010	99.82	19.88	NP	--	79.94				21	3.9	9	11	44.9	590	
MW-6	6/2/2010	99.82	19.98	NP	--	79.84				--	--	--	--	--	--	
MW-6	7/12/2010	99.82	20.19	NP	--	79.63				--	--	--	--	--	--	
MW-6	8/18/2010	99.82	20.43	NP	--	79.39				17	2.6	5.3	6.1	31	43	
MW-6	9/13/2010	99.82	20.26	NP	--	79.56				--	--	--	--	--	--	
MW-6	10/7/2010	99.82	20.15	NP	--	79.67				--	--	--	--	--	--	
MW-6	11/1/2010	99.82	20.25	NP	--	79.57				17	2.1	2.8	4.6	26.5	160	
MW-6	2/14/2011	99.82	20.11	NP	--	79.71				330	21	110	85	546	22,000	
MW-6	6/17/2011	99.82	20.14	NP	--	79.68		Purge volumes are estimates	2.25	10	1.5	3.8	3	18.3	33	
MW-6	8/1/2011	99.82	20.37	NP	--	79.45		Purge volumes are estimates	2	12	2.2	6	4.3	24.5	21	
MW-6	11/1/2011	99.82	19.60	NP	--	80.22			2.50	180	14	73	70	337	9,000	
MW-6	2/14/2012	99.82	20.34	NP	--	79.48			2.00	11	2.1	6.4	5.6	25.1	25	
MW-6	5/24/2012	99.82	20.46	NP	--	79.36			2.00	9.6	2.2	3.2	3	18	21	
MW-6	8/27/2012	99.82	19.95	NP	--	79.87			2.25	140	12	47	23	222	4,700	
MW-6	11/26/2012	99.82	20.30	NP	--	79.52			2.00	520	44	300	240	1,104	15,000	
MW-6	2/15/2013	99.82	20.47	NP	--	79.35			2.00	650	62	400	420	1,532	12,000	
MW-6	5/13/2013	99.82	20.41	NP	--	79.41			2.00	510	59	350	380	1,299	4,900	
MW-6	8/27/2013	99.82	20.07	NP	--	79.75			2.25	650	55	280	340	1,325	3,000	
MW-6	11/13/2013	99.82	20.64	NP	--	79.18			2.00	700	56	330	360	1,446	4,400	
MW-6	2/25/2014	99.82	18.05	NP	--	81.77			3.25	260	31	240	160	691	14,000	
MW-6	5/30/2014	99.82	20.62	NP	--	79.20		Purge volume not measured.		310	26	250	130	716	3,100	
MW-6	8/8/2014	99.82	20.58	NP	--	79.24			2.00	540	42	500	330	1,412	3,900	
MW-6	11/20/2014	99.82	20.62	NP	--	79.20			2.00	690	47	460	270	1,467	4,500	
MW-6	2/19/2015	99.82	20.39	NP	--	79.43			2.50	480	43	370	300	1,193	1,700	
MW-6	5/21/2015	99.82	20.50	NP	--	79.32			2.00	130	4.6	73	48	255.6	100	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS																
MW-6	8/12/2015	99.82	20.29	NP	--	79.53			2.25	200	15	89	73	377	260	
MW-6	11/4/2015	99.82	20.68	NP	--	79.14			2.00	21	3.2	9.1	14	47.3	18	
MW-6	2/18/2016	99.82	20.46	NP	--	79.36			1.25	72	8.5	32	26	138.5	41	
MW-6	5/9/2016	99.82	20.50	NP	--	79.32			1.50	23	3.2	6.1	8.9	41.2	13	
MW-6	8/9/2016	99.82	20.40	NP	--	79.42			1.50	77	8.7	33	19	137.7	75	
MW-6	11/9/2016	99.82	20.49	NP	--	79.33			2.00	48	5.5	10	6.2	69.7	60	
MW-6	2/7/2017	99.82	20.36	NP	--	79.46			2.25	92	8.6	14	12	126.6	62	
MW-6	5/16/2017	99.82	20.00	NP	--	79.82			2.25	410	37	140	73	660	670	
MW-7	3/26/2003	--	--	--	--	--				192	8.7	10.8	29.7	241.2	23,300	
MW-7	5/15/2003	--	--	--	--	--				127	< 50.0	< 50.0	71.7	198.7	38,200	
MW-7	9/14/2003	--	--	--	--	--				383	< 100	< 100	184	567	18,400	
MW-7	12/17/2003	--	--	--	--	--				68.4	< 25	< 25	46.5	114.9	27,600	
MW-7	2/11/2004	--	--	--	--	--				64	< 50	< 50	56.3	120.3	12,900	
MW-7	5/18/2004	--	--	--	--	--				89.7	5.7 J	12.6	42.6	150.6	9,850	
MW-7	8/18/2004	--	--	--	--	--				89.4	6.2 J	14.8	32.1	142.5	10,500	
MW-7	11/23/2004	--	--	--	--	--				66.6	5.5	12.7	27.7	112.5	13,500	
MW-7	2/15/2005	--	--	--	--	--				73.5	6.3 J	12.2 J	19.0 J	111	11,100	
MW-7	5/27/2005	--	--	--	--	--				130	< 10.0	15.5	16.5	162	8,620	
MW-7	9/7/2005	--	--	--	--	--				61.7	< 20.0	16.7 J	20.3	98.7	9,630	
MW-7	11/15/2005	--	--	--	--	--				88.7	7.1	17.9	21	134.7	13,700	
MW-7	2/15/2006	98.55	17.43	NP	--	81.12				42.1	< 25.0	11.2 J	13.5 J	66.8	9,190	
MW-7	6/6/2006	98.55	17.36	NP	--	81.19				38.2	< 25.0	< 25.0	< 25.0	38.2	7,450	
MW-7	8/28/2006	98.55	17.19	NP	--	81.36				113	6.5	15.6	17.3	152.4	8,190	
MW-7	11/27/2006	98.55	17.73	NP	--	80.82				6	2.9	2.4	7.5	18.8	580	
MW-7	2/17/2007	98.55	18.18	NP	--	80.37				4.1 J	1.9 J	1.5 J	4.8 J	12.3	1,120	
MW-7	5/11/2007	98.55	17.01	NP	--	81.54				270	7.6	22.4	23.4	323.4	1,330	
MW-7	8/30/2007	98.55	17.15	NP	--	81.40				174	7.1	18.3	22	221.4	680	
MW-7	11/21/2007	98.55	17.82	NP	--	80.73				100	5.2	11.9	15.6	132.7	508	
MW-7	2/25/2008	98.55	17.69	NP	--	80.86				33	4.3	7.4	13	57.7	250	
MW-7	5/29/2008	98.55	17.94	NP	--	80.61				34	4.2	7.7	13	58.9	670	
MW-7	7/29/2008	98.55	17.75	NP	--	80.80				80	5.2	13	17	115.2	600	
MW-7	11/17/2008	98.55	17.89	NP	--	80.66				1.4 J	1.2 J	< 1.0	2.8	3.4	720	
MW-7	1/14/2009	98.55	17.91	NP	--	80.64				--	--	--	--	--	--	
MW-7	2/6/2009	98.55	18.00	NP	--	80.55				28	4.2	8.7	13	53.9	170	
MW-7	3/5/2009	98.55	18.20	NP	--	80.35				--	--	--	--	--	--	
MW-7	4/1/2009	98.55	18.33	NP	--	80.22				--	--	--	--	--	--	
MW-7	5/18/2009	98.55	18.23	NP	--	80.32				80	4.7	8	13	105.7	140	
MW-7	6/30/2009	99.64	17.91	NP	--	81.73				--	--	--	--	--	--	
MW-7	7/30/2009	99.64	17.13	NP	--	82.51				--	--	--	--	--	--	
MW-7	8/6/2009	99.64	18.03	NP	--	81.61				120	4.8	6.9	14	145.7	140	
MW-7	9/3/2009	99.64	16.11	NP	--	83.53				--	--	--	--	--	--	
MW-7	10/13/2009	99.64	18.30	NP	--	81.34				--	--	--	--	--	--	
MW-7	11/23/2009	99.64	18.41	NP	--	81.23				28	2.4	1.9	7.1	39.4	140	
MW-7	12/8/2009	99.64	18.37	NP	--	81.27				--	--	--	--	--	--	
MW-7	1/31/2010	99.64	18.30	NP	--	81.34				--	--	--	--	--	--	
MW-7	2/9/2010	99.64	18.32	NP	--	81.32				26	2	1.2	4.4	33.6	140	
MW-7	3/15/2010	99.64	17.65	NP	--	81.99				200	3.8	6.2	9.9	219.9	210	
MW-7	4/8/2010	99.64	24.07	NP	--	75.57				--	--	--	--	--	--	
MW-7	5/19/2010	99.64	17.49	NP	--	82.15				270	5.6	13	16	304.6	96	
MW-7	6/2/2010	99.64	17.36	NP	--	82.28				--	--	--	--	--	--	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS																
MW-7	7/12/2010	99.64	17.87	NP	--	81.77				1	5	5	5	10		
MW-7	8/18/2010	99.64	18.19	NP	--	81.45				79	4.8	7.7	15	106.5	120	
MW-7	9/13/2010	99.64	18.15	NP	--	81.49				--	--	--	--	--	--	
MW-7	10/7/2010	99.64	18.09	NP	--	81.55				--	--	--	--	--	--	
MW-7	11/1/2010	99.64	18.20	NP	--	81.44				96	5.3	9.7	15	126	77	
MW-7	2/14/2011	99.64	18.07	NP	--	81.57				65	3.9	7.2	11	87.1	73	
MW-7	6/17/2011	99.64	17.71	NP	--	81.93		Purge volumes are estimates	3.00	21	3.9	7.1	10	42	73	
MW-7	8/1/2011	99.64	18.10	NP	--	81.54		Purge volumes are estimates	3	22	3.6	6.1	9.3	41	93	
MW-7	11/1/2011	99.64	17.01	NP	--	82.63			3.50	120	5.5	12	15	152.5	59	
MW-7	2/14/2012	99.64	17.59	NP	--	82.05			3.00	47	5.5	10	14	76.5	64	
MW-7	5/24/2012	99.64	18.02	NP	--	81.62			3.00	7.1	3.5	4.7	9.8	25.1	53	
MW-7	8/27/2012	99.64	18.05	NP	--	81.59			3.00	91	5.8	10	17	123.8	64	
MW-7	11/26/2012	99.64	18.30	NP	--	81.34			3.00	37	5.2	11	15	68.2	64	
MW-7	2/15/2013	99.64	17.50	NP	--	82.14			3.00	38	4.6 J	10	9.3	61.9	81	
MW-7	5/13/2013	99.64	16.29	NP	--	83.35			3.75	310	6.3	21	17	354.3	99	
MW-7	8/27/2013	99.64	17.45	NP	--	82.19			3.25	500	7.6	30	23	561	64	
MW-7	11/13/2013	99.64	18.53	NP	--	81.11			3.00	150	4.9 J	17	13	185	75	
MW-7	2/25/2014	99.64	14.85	NP	--	84.79			5.00	280	8	39	21	348	110	
MW-7	5/30/2014	99.64	18.28	NP	--	81.36		Purge volume not measured.		21	4.8 J	13	14	52.8	93	
MW-7	8/8/2014	99.64	18.41	NP	--	81.23			2.00	24	4.9	11	11	50.9	79	
MW-7	11/20/2014	99.64	18.80	NP	--	80.84			1.75	16	3.7 J	8.7	7.3	35.7	84	
MW-7	2/19/2015	99.64	18.40	NP	--	81.24			2.00	30	5	11	14	60	64	
MW-7	5/21/2015	99.64	18.60	NP	--	81.04			2.00	45	4.2	11	14	74.2	71	
MW-7	8/12/2015	99.64	18.53	NP	--	81.11			2.00	12	3.6	8.6	12	36.2	67	
MW-7	11/4/2015	99.64	18.57	NP	--	81.07			2.00	3.1	3.6	6.5	11	24.2	57	
MW-7	2/18/2016	99.64	18.73	NP	--	80.91			1.75	4.4	3.8	4.4	10	22.6	52	
MW-7	5/9/2016	99.64	18.80	NP	--	80.84			2.00	7.5	3.3	4.3	9.3	24.4	41	
MW-7	8/9/2016	99.64	18.96	NP	--	80.68			1.50	3.4	3.1	3.3	8.3	18.1	58	
MW-7	11/9/2016	99.64	19.22	NP	--	80.42			1.75	2.7	3.3	2.6	8.1	16.7	50	
MW-7	2/7/2017	99.64	19.11	NP	--	80.53			1.75	2.1	3.1	1.8	6.6	13.6	50	
MW-7	5/16/2017	99.64	18.62	NP	--	81.02			2.00	9.5	3.8	3	8.4	24.7	52	
MW-8	12/17/2003	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	2.1	
MW-8	2/11/2004	--	--	--	--	--				0.58 J	0.44 J	2.6	11.2	14.82	10.7	
MW-8	5/18/2004	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	10.7	
MW-8	8/18/2004	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	15.6	
MW-8	11/23/2004	--	--	--	--	--				<1.0	<1.0	<1.0	0.3 J	0.3	20.4	
MW-8	2/15/2005	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	20.7	
MW-8	5/27/2005	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	21.6	
MW-8	9/7/2005	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	15.9	
MW-8	11/15/2005	--	--	--	--	--				<1.0	<1.0	<1.0	<1.0	ND	<1.0	
MW-8	2/15/2006	96.08	13.50	NP	--	82.58				<1.0	<1.0	<1.0	<1.0	ND	0.70 J	
MW-8	6/6/2006	96.08	13.98	NP	--	82.10				<1.0	<1.0	<1.0	<1.0	ND	<1.0	
MW-8	8/28/2006	96.08	14.14	NP	--	81.94				<1.0	<1.0	<1.0	<1.0	ND	<1.0	
MW-8	11/27/2006	96.08	16.78	NP	--	79.30				<1.0	<1.0	<1.0	<1.0	ND	10.4	
MW-8	2/17/2007	96.08	17.24	NP	--	78.84				<1.0	<1.0	<1.0	<1.0	ND	8.1	
MW-8	5/11/2007	96.08	16.48	NP	--	79.60				<1.0	<1.0	<1.0	<1.0	ND	6.5	
MW-8	8/30/2007	96.08	16.31	NP	--	79.77				<1.0	<1.0	<1.0	<1.0	ND	5.3	
MW-8	11/21/2007	96.08	16.92	NP	--	79.16				<1.0	<1.0	<1.0	<1.0	ND	4.6	
MW-8	2/25/2008	96.08	16.54	NP	--	79.54				<0.50	<0.50	1.7	1.8	3.5	3.3	
MW-8	5/29/2008	96.08	16.91	NP	--	79.17				<0.50	<0.50	<0.50	<0.50	ND	3.5	

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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS									1	5	5	5	NGV	10		
MW-8	7/29/2008	96.08	16.64	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	--	79.72				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	1/14/2009	96.08	16.43	NP	--	79.65				--	--	--	--	--	--	
MW-8	2/6/2009	96.08	14.14	NP	--	81.94				< 0.50	8.4	2.2	11	21.6	< 0.50	
MW-8	3/5/2009	96.08	12.87	NP	--	83.21				--	--	--	--	--	--	
MW-8	4/1/2009	96.08	12.72	NP	--	83.36				--	--	--	--	--	--	
MW-8	5/18/2009	96.08	16.41	NP	--	79.67				< 0.50	0.51 J	1.7	3	5.21	0.97 J	
MW-8	6/30/2009	97.21	16.12	NP	--	81.09				--	--	--	--	--	--	
MW-8	7/30/2009	97.21	16.45	NP	--	80.76				--	--	--	--	--	--	
MW-8	8/6/2009	97.21	16.30	NP	--	80.91				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.1	
MW-8	9/3/2009	97.21	16.76	NP	--	80.45				--	--	--	--	--	--	
MW-8	10/13/2009	97.21	17.06	NP	--	80.15				--	--	--	--	--	--	
MW-8	11/23/2009	97.21	16.88	NP	--	80.33				< 0.50	< 0.50	3.8	4.7	8.5	3.3	
MW-8	12/8/2009	97.21	16.83	NP	--	80.38				--	--	--	--	--	--	
MW-8	1/31/2010	97.21	17.03	NP	--	80.18				--	--	--	--	--	--	
MW-8	2/9/2010	97.21	13.62	NP	--	83.59				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.5	
MW-8	3/15/2010	97.21	14.22	NP	--	82.99				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.7	
MW-8	4/8/2010	97.21	20.46	NP	--	76.75				--	--	--	--	--	--	
MW-8	5/19/2010	97.21	16.40	NP	--	80.81				< 0.50	< 0.50	< 0.50	< 0.50	ND	7	
MW-8	6/2/2010	97.21	16.78	NP	--	80.43				--	--	--	--	--	--	
MW-8	7/12/2010	97.21	15.62	NP	--	81.59				--	--	--	--	--	--	
MW-8	8/18/2010	97.21	17.19	NP	--	80.02				< 0.50	< 0.50	< 0.50	< 0.50	ND	6.6	
MW-8	9/13/2010	97.21	17.10	NP	--	80.11				--	--	--	--	--	--	
MW-8	10/7/2010	97.21	16.30	NP	--	80.91				--	--	--	--	--	--	
MW-8	11/1/2010	97.21	16.91	NP	--	80.30				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.8	
MW-8	2/14/2011	97.21	16.57	NP	--	80.64				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.4	
MW-8	6/17/2011	97.21	16.67	NP	--	80.54		Purge volumes are estimates	2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	4.5	
MW-8	8/1/2011	97.21	17.04	NP	--	80.17		Purge volumes are estimates	1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	5	
MW-8	11/1/2011	97.21	15.11	NP	--	82.10			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.3	
MW-8	2/14/2012	97.21	16.75	NP	--	80.46			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	4.3	
MW-8	5/24/2012	97.21	16.40	NP	--	80.81			4.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.4	
MW-8	8/27/2012	97.21	16.20	NP	--	81.01			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	11/26/2012	97.21	13.52	NP	--	83.69			3.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	2/15/2013	97.21	12.63	NP	--	84.58			4.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	5/13/2013	97.21	12.94	NP	--	84.27			3.75	< 0.50	< 0.50	< 0.50	< 0.50	3.6	3.6	< 0.50
MW-8	8/27/2013	97.21	13.22	NP	--	83.99			3.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	11/13/2013	97.21	13.96	NP	--	83.25			5.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	2/25/2014	97.21	3.62	NP	--	93.59			8.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	5/30/2014	97.21	17.18	NP	--	80.03		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	8/8/2014	97.21	17.40	NP	--	79.81			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.83 J	
MW-8	11/20/2014	97.21	17.30	NP	--	79.91			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-8	2/19/2015	97.21	17.35	NP	--	79.86			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-8	5/21/2015	97.21	17.31	NP	--	79.90			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.4	
MW-8	8/12/2015	97.21	17.00	NP	--	80.21			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.66 J	
MW-8	11/4/2015	97.21	14.01	NP	--	83.20			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-8	2/18/2016	97.21	17.03	NP	--	80.18			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.97 J	
MW-8	5/9/2016	97.21	17.15	NP	--	80.06			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.82 J	
MW-8	8/9/2016	97.21	16.97	NP	--	80.24			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-8	11/9/2016	97.21	17.23	NP	--	79.98			1.75	< 0.50	< 0.50	< 0.50	0.68 J	0.68	0.70 J	
MW-8	2/7/2017	97.21	17.21	NP	--	80.00			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.71 J	

Table 1
 BP Station No. 03887
 164 4th Ave.
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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS									1	5	5	5	NGV	10		
MW-8	5/16/2017	97.21	15.93	NP	--	81.28			2.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	12/17/2003	--	--	--	--	--				< 1.0	< 1.0	< 1.0	0.93 J	0.93	7.5	
MW-9	2/11/2004	--	--	--	--	--				< 1.0	< 1.0	0.4 J	1.2	1.6	6.7	
MW-9	5/18/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.8	
MW-9	8/18/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	6.4	
MW-9	11/23/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.9	
MW-9	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	6.2	
MW-9	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.4	
MW-9	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.4	
MW-9	11/15/2005	--	--	--	--	--				< 1.0	0.50 J	1.3	5.8	7.6	5.5	
MW-9	2/15/2006	94.95	15.77	NP	--	79.18				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.7	
MW-9	6/6/2006	94.95	15.76	NP	--	79.19				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.1	
MW-9	8/28/2006	94.95	15.50	NP	--	79.45				< 1.0	< 1.0	0.43 J	1.6	2.03	1	
MW-9	11/27/2006	94.95	16.25	NP	--	78.70				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.3	
MW-9	2/17/2007	94.95	16.70	NP	--	78.25				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.3	
MW-9	5/11/2007	94.95	16.15	NP	--	78.80				16.2	2.5	2.5	9.5	30.7	315	
MW-9	8/30/2007	94.95	15.99	NP	--	78.96				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.5	
MW-9	11/21/2007	94.95	16.58	NP	--	78.37				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.4	
MW-9	2/25/2008	94.95	16.31	NP	--	78.64				< 0.50	< 0.50	< 0.50	0.70 J	0.7	3.3	
MW-9	5/29/2008	94.95	16.64	NP	--	78.31				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.8	
MW-9	7/29/2008	94.95	16.35	NP	--	78.60				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.9	
MW-9	11/17/2008	94.95	16.50	NP	--	78.45				0.56 J	< 0.50	< 0.50	< 0.50	0.56	2.9	
MW-9	1/14/2009	94.95	15.84	NP	--	79.11				--	--	--	--	--	--	
MW-9	2/6/2009	94.95	16.05	NP	--	78.90				0.54 J	< 0.50	< 0.50	< 0.50	0.54	2.5	
MW-9	3/5/2009	94.95	16.19	NP	--	78.76				--	--	--	--	--	--	
MW-9	4/1/2009	94.95	16.24	NP	--	78.71				--	--	--	--	--	--	
MW-9	5/18/2009	94.95	16.52	NP	--	78.43				0.92 J	< 0.50	< 0.50	0.53 J	1.45	2	
MW-9	6/30/2009	96.00	16.18	NP	--	79.82				--	--	--	--	--	--	
MW-9	7/30/2009	96.00	16.13	NP	--	79.87				--	--	--	--	--	--	
MW-9	8/6/2009	96.00	16.26	NP	--	79.74				0.61 J	< 0.50	< 0.50	0.76 J	1.37	1.5	
MW-9	9/3/2009	96.00	16.41	NP	--	79.59				--	--	--	--	--	--	
MW-9	10/13/2009	96.00	16.50	NP	--	79.50				--	--	--	--	--	--	
MW-9	11/23/2009	96.00	16.59	NP	--	79.41				0.52 J	< 0.50	< 0.50	< 0.50	0.52	1.7	
MW-9	12/8/2009	96.00	16.72	NP	--	79.28				--	--	--	--	--	--	
MW-9	1/31/2010	96.00	16.66	NP	--	79.34				--	--	--	--	--	--	
MW-9	2/9/2010	96.00	16.78	NP	--	79.22				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-9	3/15/2010	96.00	15.87	NP	--	80.13				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.6	
MW-9	4/8/2010	96.00	22.39	NP	--	73.61				--	--	--	--	--	--	
MW-9	5/19/2010	96.00	16.33	NP	--	79.67				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.8	
MW-9	6/2/2010	96.00	16.46	NP	--	79.54				--	--	--	--	--	--	
MW-9	7/12/2010	96.00	16.48	NP	--	79.52				--	--	--	--	--	--	
MW-9	8/18/2010	96.00	16.84	NP	--	79.16				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.6	
MW-9	9/13/2010	96.00	16.72	NP	--	79.28				--	--	--	--	--	--	
MW-9	10/7/2010	96.00	16.53	NP	--	79.47				--	--	--	--	--	--	
MW-9	11/1/2010	96.00	16.69	NP	--	79.31				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-9	2/14/2011	96.00	16.45	NP	--	79.55				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-9	6/17/2011	96.00	16.44	NP	--	79.56		Purge volumes are estimates	3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-9	8/1/2011	96.00	16.71	NP	--	79.29		Purge volumes are estimates	2.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-9	11/1/2011	96.00	15.89	NP	--	80.11			3.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	
MW-9	2/14/2012	96.00	16.61	NP	--	79.39			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	

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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS																
MW-9	5/24/2012	96.00	16.79	NP	--	79.21			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-9	8/27/2012	96.00	16.35	NP	--	79.65			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-9	11/26/2012	96.00	16.19	NP	--	79.81			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.68 J	
MW-9	2/15/2013	96.00	16.29	NP	--	79.71			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	5/13/2013	96.00	16.17	NP	--	79.83			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	8/27/2013	96.00	15.85	NP	--	80.15			3.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	11/13/2013	96.00	16.33	NP	--	79.67			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	2/25/2014	96.00	13.60	NP	--	82.40			4.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	5/30/2014	96.00	16.77	NP	--	79.23		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	8/8/2014	96.00	16.85	NP	--	79.15			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	11/20/2014	96.00	16.83	NP	--	79.17			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	2/19/2015	96.00	16.75	NP	--	79.25			3.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-9	5/21/2015	96.00	16.83	NP	--	79.17			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.58 J	
MW-9	8/12/2015	96.00	16.64	NP	--	79.36			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.51 J	
MW-9	11/4/2015	96.00	16.36	NP	--	79.64			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.58 J	
MW-9	2/18/2016	96.00	16.76	NP	--	79.24			2.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.68 J	
MW-9	5/9/2016	96.00	16.81	NP	--	79.19			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.80 J	
MW-9	8/9/2016	96.00	16.48	NP	--	79.52			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.79 J	
MW-9	11/9/2016	96.00	16.86	NP	--	79.14			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.68 J	
MW-9	2/7/2017	96.00	16.75	NP	--	79.25			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.79 J	
MW-9	5/16/2017	96.00	16.30	NP	--	79.70			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.77 J	
MW-10	12/17/2003	--	--	--	--	--				61.7	11.3	14.4	46.1	133.5	132	
MW-10	2/11/2004	--	--	--	--	--				56.4	8.7	4.9	36.6	106.6	252	
MW-10	5/18/2004	--	--	--	--	--				59	6.8	1.1	27.6	94.5	126	
MW-10	8/18/2004	--	--	--	--	--				49.1	10.7	9.8	42.5	112.1	173	
MW-10	11/23/2004	--	--	--	--	--				61.8	8.8	3	37.4	111	143	
MW-10	2/15/2005	--	--	--	--	--				50.2	7.3	1.3	27.4	86.2	98.1	
MW-10	5/27/2005	--	--	--	--	--				45.6	5.5	0.8	22	73.9	115	
MW-10	9/7/2005	--	--	--	--	--				32.1	4.8	1.1	16.1	54.1	110	
MW-10	11/15/2005	--	--	--	--	--				26	2.2	< 2.0	3.6	31.8	289	
MW-10	2/15/2006	94.52	16.07	NP	--	78.45				82.1	6.6	2.1	22.5	113.3	204	
MW-10	6/6/2006	94.52	15.91	NP	--	78.61				58.1	3.7	0.54 J	17.8	80.14	127	
MW-10	8/28/2006	94.52	15.69	NP	--	78.83				63.3	3.9	0.93 J	16.2	84.33	174	
MW-10	11/27/2006	94.52	15.89	NP	--	78.63				50	2.9	< 1.0	11.2	64.1	193	
MW-10	2/17/2007	94.52	16.35	NP	--	78.17				40.7	2.2	0.36 J	10.1	53.36	194	
MW-10	5/11/2007	94.52	15.81	NP	--	78.71				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.2	
MW-10	8/30/2007	94.52	15.63	NP	--	78.89				46.5	2.9	1.6	9.5	60.5	110	
MW-10	11/21/2007	94.52	16.26	NP	--	78.26				38.7	2.6	0.38 J	10	51.68	132	
MW-10	2/25/2008	94.52	16.14	NP	--	78.38				21	1.6	< 0.50	7.2	29.8	94	
MW-10	5/29/2008	94.52	16.42	NP	--	78.10				18	1.4	< 0.50	6.2	25.6	92	
MW-10	7/29/2008	94.52	16.10	NP	--	78.42				23	1.8	< 0.50	7.4	32.2	66	
MW-10	11/17/2008	94.52	16.24	NP	--	78.28				20	2	< 0.50	6.7	28.7	92	
MW-10	1/14/2009	94.52	15.14	NP	--	79.38				--	--	--	--	--	--	
MW-10	2/6/2009	94.52	16.24	NP	--	78.28				21	1.7	< 0.50	5.9	28.6	61	
MW-10	3/5/2009	94.52	16.40	NP	--	78.12				--	--	--	--	--	--	
MW-10	4/1/2009	94.52	16.43	NP	--	78.09				--	--	--	--	--	--	
MW-10	5/18/2009	94.52	16.21	NP	--	78.31				8	1.1	< 0.50	3.6	12.7	38	
MW-10	6/30/2009	95.58	15.88	NP	--	79.70				--	--	--	--	--	--	
MW-10	7/30/2009	95.58	16.32	NP	--	79.26				--	--	--	--	--	--	
MW-10	8/6/2009	95.58	15.92	NP	--	79.66				5.4	1.2	< 0.50	3.9	10.5	46	

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		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS																
MW-10	9/3/2009	95.58	16.10	NP	--	79.48				1	5	5	5	NGV	10	
MW-10	10/13/2009	95.58	16.20	NP	--	79.38				--	--	--	--	--	--	
MW-10	11/23/2009	95.58	16.33	NP	--	79.25				1.9	0.91 J	< 0.50	2.7	5.51	75	
MW-10	12/8/2009	95.58	16.43	NP	--	79.15				--	--	--	--	--	--	
MW-10	1/31/2010	95.58	16.35	NP	--	79.23				--	--	--	--	--	--	
MW-10	2/9/2010	95.58	16.43	NP	--	79.15				0.87 J	0.90 J	< 0.50	2.5	4.27	78	
MW-10	3/15/2010	95.58	15.76	NP	--	79.82				< 10	< 10	< 10	< 10	ND	57	
MW-10	4/8/2010	95.58	22.86	NP	--	72.72				--	--	--	--	--	--	
MW-10	5/19/2010	95.58	15.98	NP	--	79.60				0.73 J	1.3	< 0.50	2.4	4.43	47	
MW-10	6/2/2010	95.58	16.15	NP	--	79.43				--	--	--	--	--	--	
MW-10	7/12/2010	95.58	16.52	NP	--	79.06				--	--	--	--	--	--	
MW-10	8/18/2010	95.58	16.60	NP	--	78.98				< 0.50	0.63 J	< 0.50	1.8	2.43	130	
MW-10	9/13/2010	95.58	16.40	NP	--	79.18				--	--	--	--	--	--	
MW-10	10/7/2010	95.58	16.21	NP	--	79.37				--	--	--	--	--	--	
MW-10	11/1/2010	95.58	16.36	NP	--	79.22				0.58 J	< 0.50	< 0.50	1.8	2.38	140	
MW-10	2/14/2011	95.58	16.19	NP	--	79.39				2.7	0.84 J	< 0.50	2.2	5.74	120	
MW-10	6/17/2011	95.58	16.23	NP	--	79.35		Purge volumes are estimates	3.25	15	5.7	< 0.50	5.5	26.2	150	
MW-10	8/1/2011	95.58	16.46	NP	--	79.12		Purge volumes are estimates	3.25	29	10	0.59 J	11	50.59	260	
MW-10	11/1/2011	95.58	15.75	NP	--	79.83			3.50	21	6.3	0.57 J	8.8	36.67	180	
MW-10	2/14/2012	95.58	16.54	NP	--	79.04			3.00	38	8.2	1.8	20	68	150	
MW-10	5/24/2012	95.58	16.70	NP	--	78.88			3.00	26	4.9	< 0.50	13	43.9	42	
MW-10	8/27/2012	95.58	15.97	NP	--	79.61			3.00	19	3.7	< 0.50	12	34.7	55	
MW-10	11/26/2012	95.58	16.51	NP	--	79.07			3.00	10	0.76 J	< 0.50	7.5	18.26	49	
MW-10	2/15/2013	95.58	16.72	NP	--	78.86			3.00	0.62 J	< 0.50	< 0.50	< 0.50	0.62	16	
MW-10	5/13/2013	95.58	16.72	NP	--	78.86			3.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	9.9	
MW-10	8/27/2013	95.58	16.32	NP	--	79.26			3.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	19	
MW-10	11/13/2013	95.58	16.94	NP	--	78.64			3.00	1.6	< 0.50	< 0.50	< 0.50	1.6	14	
MW-10	2/25/2014	95.58	15.55	NP	--	80.03			4.00	6.9	< 0.50	0.52 J	< 0.50	7.42	180	
MW-10	5/30/2014	95.58	16.50	NP	--	79.08		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	8.4	
MW-10	8/8/2014	95.58	16.53	NP	--	79.05			3.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	8.7	
MW-10	11/20/2014	95.58	16.50	NP	--	79.08			5.00	< 0.50	< 0.50	< 0.50	1.2	1.2	9.7	
MW-10	2/19/2015	95.58	16.34	NP	--	79.24			3.25	< 0.50	< 0.50	< 0.50	0.60 J	0.6	8.9	
MW-10	5/21/2015	95.58	16.46	NP	--	79.12			3.00	< 0.50	< 0.50	< 0.50	0.69 J	0.69	10	
MW-10	8/12/2015	95.58	16.27	NP	--	79.31			3.25	< 0.50	< 0.50	< 0.50	0.78 J	0.78	11	
MW-10	11/4/2015	95.58	16.98	NP	--	78.60			3.00	< 0.50	< 0.50	< 0.50	0.83 J	0.83	11	
MW-10	2/18/2016	95.58	16.49	NP	--	79.09			3.00	< 0.50	< 0.50	< 0.50	1.1	1.1	14	
MW-10	5/9/2016	95.58	16.64	NP	--	78.94			3.00	< 0.50	0.58 J	< 0.50	1.6	2.18	15	
MW-10	8/9/2016	95.58	16.44	NP	--	79.14			3.00	< 0.50	< 0.50	< 0.50	1.7	1.7	16	
MW-10	11/9/2016	95.58	16.50	NP	--	79.08			3.00	< 0.50	< 0.50	< 0.50	1.8	1.8	17	
MW-10	2/7/2017	95.58	16.36	NP	--	79.22			3.00	< 0.50	< 0.50	< 0.50	0.98 J	0.98	16	
MW-10	5/16/2017	95.58	16.05	NP	--	79.53			3.25	< 0.50	< 0.50	< 0.50	0.94 J	0.94	14	
MW-11	11/23/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	63.4	
MW-11	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	38	
MW-11	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	29.2	
MW-11	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	31.2	
MW-11	11/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	23.9	
MW-11	2/15/2006	94.02	15.76	NP	--	78.26				< 1.0	< 1.0	< 1.0	< 1.0	ND	102	
MW-11	6/6/2006	94.02	15.55	NP	--	78.47				< 1.0	< 1.0	< 1.0	< 1.0	ND	34.4	
MW-11	8/28/2006	94.02	15.41	NP	--	78.61				< 1.0	< 1.0	< 1.0	< 1.0	ND	20.7	
MW-11	11/27/2006	94.02	15.49	NP	--	78.53				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.6	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-11	2/17/2007	94.02	15.95	NP	--	78.07				< 1.0	< 1.0	< 1.0	< 1.0	ND	6.7	
MW-11	5/11/2007	94.02	15.38	NP	--	78.64				< 1.0	< 1.0	< 1.0	< 1.0	ND	6.4	
MW-11	8/30/2007	94.02	15.29	NP	--	78.73				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.5	
MW-11	11/21/2007	94.02	15.86	NP	--	78.16				< 1.0	< 1.0	< 1.0	< 1.0	ND	11.9	
MW-11	2/25/2008	94.02	--	--	--	--	NS	Not Gauged, Not Sampled		--	--	--	--	--	--	
MW-11	5/29/2008	94.02	16.02	NP	--	78.00				< 0.50	< 0.50	< 0.50	< 0.50	ND	6.2	
MW-11	7/29/2008	94.02	15.78	NP	--	78.24				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.9	
MW-11	11/17/2008	94.02	15.79	NP	--	78.23				< 0.50	< 0.50	< 0.50	< 0.50	ND	5.5	
MW-11	1/14/2009	94.02	14.88	NP	--	79.14				--	--	--	--	--	--	
MW-11	2/6/2009	94.02	15.84	NP	--	78.18				< 0.50	< 0.50	< 0.50	< 0.50	ND	17	
MW-11	3/5/2009	94.02	16.02	NP	--	78.00				--	--	--	--	--	--	
MW-11	4/1/2009	94.02	16.02	NP	--	78.00				--	--	--	--	--	--	
MW-11	5/18/2009	94.02	15.77	NP	--	78.25				< 0.50	< 0.50	< 0.50	< 0.50	ND	5.7	
MW-11	6/30/2009	95.14	15.41	NP	--	79.73				--	--	--	--	--	--	
MW-11	7/30/2009	95.14	15.45	NP	--	79.69				--	--	--	--	--	--	
MW-11	8/6/2009	95.14	15.45	NP	--	79.69				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-11	9/3/2009	95.14	15.63	NP	--	79.51				--	--	--	--	--	--	
MW-11	10/13/2009	95.14	15.74	NP	--	79.40				--	--	--	--	--	--	
MW-11	11/23/2009	95.14	15.91	NP	--	79.23				< 0.50	< 0.50	< 0.50	< 0.50	ND	3	
MW-11	12/8/2009	95.14	15.97	NP	--	79.17				--	--	--	--	--	--	
MW-11	1/31/2010	95.14	15.93	NP	--	79.21				--	--	--	--	--	--	
MW-11	2/9/2010	95.14	--	--	--	--	NG	Not Gauged Obstruction in Well		< 0.50	< 0.50	< 0.50	< 0.50	ND	2.6	
MW-11	3/15/2010	95.14	15.25	NP	--	79.89				< 0.50	< 0.50	< 0.50	< 0.50	ND	0.84 J	
MW-11	4/8/2010	95.14	15.89	NP	--	79.25				--	--	--	--	--	--	
MW-11	5/19/2010	95.14	15.50	NP	--	79.64				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-11	6/2/2010	95.14	15.73	NP	--	79.41				--	--	--	--	--	--	
MW-11	7/12/2010	95.14	15.85	NP	--	79.29				--	--	--	--	--	--	
MW-11	8/18/2010	95.14	--	--	--	--	Dry	Dry		--	--	--	--	--	--	
MW-11	9/13/2010	95.14	15.95	NP	--	79.19				--	--	--	--	--	--	
MW-11	10/7/2010	95.14	15.81	NP	--	79.33				--	--	--	--	--	--	
MW-11	11/1/2010	95.14	16.15	NP	--	78.99	IW	Purge volume not measured		--	--	--	--	--	--	
MW-11	2/14/2011	95.14	15.76	NP	--	79.38	IW	Purge volume not measured		--	--	--	--	--	--	
MW-11	6/17/2011	95.14	15.78	NP	--	79.36	IW	Purge volume not measured		--	--	--	--	--	--	
MW-11	8/1/2011	95.14	16.03	NP	--	79.11	IW	Purge volume not measured		--	--	--	--	--	--	
MW-11	11/1/2011	95.14	15.36	NP	--	79.78	IW	Purge volume not measured		--	--	--	--	--	--	
MW-11	2/14/2012	95.14	--	--	--	--	Dry	Purge volume not measured		--	--	--	--	--	--	
MW-11	5/24/2012	95.14	--	--	--	--	NG	Purge volume not measured. Well Casing Broken		--	--	--	--	--	--	
MW-11	8/27/2012	95.14	--	--	--	--	WD	Purge volume not measured. Well Destroyed		--	--	--	--	--	--	
MW-12	11/23/2004	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.4	
MW-12	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.3	
MW-12	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.5	
MW-12	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.5	
MW-12	11/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.9	
MW-12	2/15/2006	93.53	15.32	NP	--	78.21				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-12	6/6/2006	93.53	15.07	NP	--	78.46				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.8	
MW-12	8/28/2006	93.53	14.97	NP	--	78.56				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.2	
MW-12	11/27/2006	93.53	15.01	NP	--	78.52				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.5	
MW-12	2/17/2007	93.53	15.47	NP	--	78.06				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.3	
MW-12	5/11/2007	93.53	14.91	NP	--	78.62				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	

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 BP Station No. 03887
 164 4th Ave.
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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-12	8/30/2007	93.53	14.78	NP	--	78.75				< 1.0	< 1.0	< 1.0	< 1.0	ND	2.2	
MW-12	11/21/2007	93.53	15.44	NP	--	78.09				< 1.0	< 1.0	< 1.0	< 1.0	ND	2	
MW-12	2/25/2008	93.53	--	--	--	--	NG	Not Gauged. Not Sampled		--	--	--	--	--	--	
MW-12	5/29/2008	93.53	15.57	NP	--	77.96				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	7/29/2008	93.53	15.35	NP	--	78.18				< 0.50	< 0.50	< 0.50	< 0.50	ND	4	
MW-12	11/17/2008	93.53	15.36	NP	--	78.17				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.3	
MW-12	1/14/2009	93.53	15.03	NP	--	78.50				--	--	--	--	--	--	
MW-12	2/6/2009	93.53	15.55	NP	--	77.98				< 0.50	< 0.50	< 0.50	< 0.50	ND	0.95 J	
MW-12	3/5/2009	93.53	15.66	NP	--	77.87				--	--	--	--	--	--	
MW-12	4/1/2009	93.53	15.64	NP	--	77.89				--	--	--	--	--	--	
MW-12	5/18/2009	93.53	15.28	NP	--	78.25				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	6/30/2009	94.63	15.02	NP	--	79.61				--	--	--	--	--	--	
MW-12	7/30/2009	94.63	15.51	NP	--	79.12				--	--	--	--	--	--	
MW-12	8/6/2009	94.63	15.02	NP	--	79.61				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	
MW-12	9/3/2009	94.63	15.22	NP	--	79.41				--	--	--	--	--	--	
MW-12	10/13/2009	94.63	15.30	NP	--	79.33				--	--	--	--	--	--	
MW-12	11/23/2009	94.63	15.44	NP	--	79.19				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	12/8/2009	94.63	15.52	NP	--	79.11				--	--	--	--	--	--	
MW-12	1/31/2010	94.63	15.48	NP	--	79.15				--	--	--	--	--	--	
MW-12	2/9/2010	94.63	15.57	NP	--	79.06				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.8	
MW-12	3/15/2010	94.63	14.83	NP	--	79.80				< 0.50	< 0.50	< 0.50	0.65 J	0.65	0.90 J	
MW-12	4/8/2010	94.63	22.02	NP	--	72.61				--	--	--	--	--	--	
MW-12	5/19/2010	94.63	15.07	NP	--	79.56				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.2	
MW-12	6/2/2010	94.63	--	--	--	--	Dry	Dry		--	--	--	--	--	--	
MW-12	7/12/2010	94.63	15.37	NP	--	79.26				--	--	--	--	--	--	
MW-12	8/18/2010	94.63	15.70	NP	--	78.93				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	9/13/2010	94.63	15.50	NP	--	79.13				--	--	--	--	--	--	
MW-12	10/7/2010	94.63	--	--	--	--	NG	Not Gauged Obstruction in Well		--	--	--	--	--	--	
MW-12	11/1/2010	94.63	14.45	NP	--	80.18				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	2/14/2011	94.63	--	--	--	--	NO	No Access/Ice Over Well		--	--	--	--	--	--	
MW-12	6/17/2011	94.63	15.36	NP	--	79.27				0.75	< 0.50	< 0.50	< 0.50	ND	1.8	
MW-12	8/1/2011	94.63	15.60	NP	--	79.03				0.75	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	11/1/2011	94.63	14.89	NP	--	79.74				0.75	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	2/14/2012	94.63	15.75	NP	--	78.88				0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	5/24/2012	94.63	15.82	NP	--	78.81					< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	8/27/2012	94.63	16.10	NP	--	78.53					< 0.50	< 0.50	< 0.50	ND	3	
MW-12	11/26/2012	94.63	15.78	NP	--	78.85				1.00	< 0.50	< 0.50	< 0.50	ND	0.56 J	
MW-12	2/15/2013	94.63	15.96	NP	--	78.67				0.75	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	5/13/2013	94.63	15.93	NP	--	78.70				0.75	< 0.50	< 0.50	< 0.50	ND	2.6	
MW-12	8/27/2013	94.63	15.56	NP	--	79.07				0.75	< 0.50	< 0.50	< 0.50	ND	3.4	
MW-12	11/13/2013	94.63	16.20	NP	--	78.43				0.75	< 0.50	< 0.50	< 0.50	ND	2	
MW-12	2/25/2014	94.63	--	--	--	--	NO	Purge volume not measured. Not Sampled Under Snow Pile		--	--	--	--	--	--	
MW-12	5/30/2014	94.63	15.65	NP	--	78.98					< 0.50	< 0.50	< 0.50	ND	0.71 J	
MW-12	8/8/2014	94.63	15.62	NP	--	79.01					< 0.50	< 0.50	< 0.50	ND	1.5	
MW-12	11/20/2014	94.63	15.65	NP	--	78.98				1.00	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-12	2/19/2015	94.63	--	--	--	--	NO	Purge volume not measured. Not Gauged Under Ice		--	--	--	--	--	--	
MW-12	5/21/2015	94.63	15.62	NP	--	79.01				0.75	< 0.50	< 0.50	< 0.50	ND	1.7	
MW-12	8/12/2015	94.63	15.42	NP	--	79.21				1.00	< 0.50	< 0.50	< 0.50	ND	1	
MW-12	11/4/2015	94.63	16.24	NP	--	78.39				3.00	< 0.50	< 0.50	< 0.50	ND	1.9	

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Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-12	2/18/2016	94.63	15.65	NP	--	78.98			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.7	
MW-12	5/9/2016	94.63	15.79	NP	--	78.84			0.58	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-12	8/9/2016	94.63	15.61	NP	--	79.02			0.80	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-12	11/9/2016	94.63	15.65	NP	--	78.98			0.84	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.9	
MW-12	2/7/2017	94.63	15.46	NP	--	79.17			0.84	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.9	
MW-12	5/16/2017	94.63	15.15	NP	--	79.48			1.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	10.9	
MW-13	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.9	
MW-13	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	6.1	
MW-13	11/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	13.4	
MW-13	2/15/2006	93.21	15.10	NP	--	78.11				< 1.0	< 1.0	< 1.0	< 1.0	ND	10.6	
MW-13	6/6/2006	93.21	14.91	NP	--	78.30				< 1.0	< 1.0	< 1.0	< 1.0	ND	9.3	
MW-13	8/28/2006	93.21	14.76	NP	--	78.45				< 1.0	< 1.0	< 1.0	< 1.0	ND	8.3	
MW-13	11/27/2006	93.21	14.79	NP	--	78.42				< 1.0	< 1.0	< 1.0	< 1.0	ND	9.9	
MW-13	2/17/2007	93.21	15.24	NP	--	77.97				< 1.0	< 1.0	< 1.0	< 1.0	ND	3	
MW-13	5/11/2007	93.21	14.66	NP	--	78.55				< 1.0	< 1.0	< 1.0	< 1.0	ND	8.4	
MW-13	8/30/2007	93.21	14.58	NP	--	78.63				< 1.0	< 1.0	< 1.0	< 1.0	ND	8.8	
MW-13	11/21/2007	93.21	16.18	NP	--	77.03				< 1.0	< 1.0	< 1.0	< 1.0	ND	1.9	
MW-13	2/25/2008	93.21	--	--	--	--	NG	Not Gauged		--	--	--	--	--	--	
MW-13	5/29/2008	93.21	15.33	NP	--	77.88				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	7/29/2008	93.21	15.10	NP	--	78.11				< 0.50	< 0.50	< 0.50	< 0.50	ND	5	
MW-13	11/17/2008	93.21	15.17	NP	--	78.04				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-13	1/14/2009	93.21	--	--	--	--	NO	No Access/ce Over Well		--	--	--	--	--	--	
MW-13	2/6/2009	93.21	15.27	NP	--	77.94				< 0.50	< 0.50	< 0.50	< 0.50	ND	2.2	
MW-13	3/5/2009	93.21	15.43	NP	--	77.78				--	--	--	--	--	--	
MW-13	4/1/2009	93.21	15.42	NP	--	77.79				--	--	--	--	--	--	
MW-13	5/18/2009	93.21	15.07	NP	--	78.14				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.7	
MW-13	6/30/2009	94.33	14.74	NP	--	79.59				--	--	--	--	--	--	
MW-13	7/30/2009	94.33	14.71	NP	--	79.62				--	--	--	--	--	--	
MW-13	8/6/2009	94.33	14.78	NP	--	79.55				< 0.50	< 0.50	< 0.50	< 0.50	ND	1	
MW-13	9/3/2009	94.33	14.98	NP	--	79.35				--	--	--	--	--	--	
MW-13	10/13/2009	94.33	15.06	NP	--	79.27				--	--	--	--	--	--	
MW-13	11/23/2009	94.33	15.29	NP	--	79.04				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	12/8/2009	94.33	15.29	NP	--	79.04				--	--	--	--	--	--	
MW-13	1/31/2010	94.33	15.25	NP	--	79.08				--	--	--	--	--	--	
MW-13	2/9/2010	94.33	15.17	NP	--	79.16				< 0.50	< 0.50	< 0.50	< 0.50	ND	1	
MW-13	3/15/2010	94.33	14.66	NP	--	79.67				< 0.50	< 0.50	< 0.50	0.54 J	0.54	5.1	
MW-13	4/8/2010	94.33	20.22	NP	--	74.11				--	--	--	--	--	--	
MW-13	5/19/2010	94.33	14.85	NP	--	79.48				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.5	
MW-13	6/2/2010	94.33	15.03	NP	--	79.30				--	--	--	--	--	--	
MW-13	7/12/2010	94.33	15.17	NP	--	79.16				--	--	--	--	--	--	
MW-13	8/18/2010	94.33	15.45	NP	--	78.88				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	9/13/2010	94.33	15.27	NP	--	79.06				--	--	--	--	--	--	
MW-13	10/7/2010	94.33	--	--	--	--	WO	Not Gauged Obstruction in Well		--	--	--	--	--	--	
MW-13	11/1/2010	94.33	15.24	NP	--	79.09				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	2/14/2011	94.33	15.12	NP	--	79.21				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.9	
MW-13	6/17/2011	94.33	15.11	NP	--	79.22		Purge volumes are estimates	0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	8/1/2011	94.33	15.39	NP	--	78.94		Purge volumes are estimates	0.5	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.83 J	
MW-13	11/1/2011	94.33	14.70	NP	--	79.63			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-13	2/14/2012	94.33	15.50	NP	--	78.83			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS									1	5	5	5	NGV	10		
MW-13	5/24/2012	94.33	15.60	NP	--	78.73			0.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	8/27/2012	94.33	14.85	NP	--	79.48		Grab Sample		< 0.50	< 0.50	< 0.50	< 0.50	ND	3.1	
MW-13	11/26/2012	94.33	15.56	NP	--	78.77			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	2/15/2013	94.33	15.74	NP	--	78.59		Grab Sample		< 0.50	< 0.50	< 0.50	< 0.50	ND	1.6	
MW-13	5/13/2013	94.33	15.72	NP	--	78.61			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.7	
MW-13	8/27/2013	94.33	15.37	NP	--	78.96			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.1	
MW-13	11/13/2013	94.33	16.00	NP	--	78.33			0.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.7	
MW-13	2/25/2014	94.33	15.25	NP	--	79.08			1.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	5/30/2014	94.33	15.40	NP	--	78.93		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	0.82 J	
MW-13	8/8/2014	94.33	15.39	NP	--	78.94			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	11/20/2014	94.33	15.40	NP	--	78.93			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	2/19/2015	94.33	--	--	--	--	NO	Purge volume not measured. Not Gauged-Under Ice		--	--	--	--	--	--	
MW-13	5/21/2015	94.33	15.35	NP	--	78.98			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	8/12/2015	94.33	15.11	NP	--	79.22			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	11/4/2015	94.33	16.05	NP	--	78.28			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.77 J	
MW-13	2/18/2016	94.33	15.39	NP	--	78.94			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	5/9/2016	94.33	15.50	NP	--	78.83			0.12	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	8/9/2016	94.33	15.34	NP	--	78.99			0.66	< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-13	11/9/2016	94.33	15.40	NP	--	78.93			0.60	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	
MW-13	2/7/2017	94.33	15.20	NP	--	79.13			0.60	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-13	5/16/2017	94.33	14.88	NP	--	79.45			0.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-14	2/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	7.1	
MW-14	5/27/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	5.7	
MW-14	9/7/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	5	
MW-14	11/15/2005	--	--	--	--	--				< 1.0	< 1.0	< 1.0	< 1.0	ND	5.9	
MW-14	2/15/2006	94.05	15.88	NP	--	78.17				< 1.0	< 1.0	< 1.0	< 1.0	ND	6	
MW-14	6/6/2006	94.05	15.70	NP	--	78.35				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.8	
MW-14	8/28/2006	94.05	15.56	NP	--	78.49				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.8	
MW-14	11/27/2006	94.05	15.61	NP	--	78.44				< 1.0	< 1.0	< 1.0	< 1.0	ND	3.8	
MW-14	2/17/2007	94.05	16.08	NP	--	77.97				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.6	
MW-14	5/11/2007	94.05	15.48	NP	--	78.57				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.2	
MW-14	8/30/2007	94.05	15.33	NP	--	78.72				< 1.0	< 1.0	< 1.0	< 1.0	ND	< 1.0	
MW-14	11/21/2007	94.05	15.98	NP	--	78.07				< 1.0	< 1.0	< 1.0	< 1.0	ND	4.1	
MW-14	2/25/2008	94.05	15.81	NP	--	78.24				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.3	
MW-14	5/29/2008	94.05	16.14	NP	--	77.91				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.1	
MW-14	7/29/2008	94.05	15.84	NP	--	78.21				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.2	
MW-14	11/17/2008	94.05	15.96	NP	--	78.09				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.2	
MW-14	1/14/2009	94.05	14.78	NP	--	79.27				--	--	--	--	--	--	
MW-14	2/6/2009	94.05	16.02	NP	--	78.03				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.9	
MW-14	3/5/2009	94.05	16.23	NP	--	77.82				--	--	--	--	--	--	
MW-14	4/1/2009	94.05	16.22	NP	--	77.83				--	--	--	--	--	--	
MW-14	5/18/2009	94.05	15.86	NP	--	78.19				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.6	
MW-14	6/30/2009	95.16	15.55	NP	--	79.61				--	--	--	--	--	--	
MW-14	7/30/2009	95.16	16.21	NP	--	78.95				--	--	--	--	--	--	
MW-14	8/6/2009	95.16	15.55	NP	--	79.61				< 0.50	< 0.50	< 0.50	< 0.50	ND	< 0.50	
MW-14	9/3/2009	95.16	15.76	NP	--	79.40				--	--	--	--	--	--	
MW-14	10/13/2009	95.16	15.85	NP	--	79.31				--	--	--	--	--	--	
MW-14	11/23/2009	95.16	15.97	NP	--	79.19				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.6	
MW-14	12/8/2009	95.16	16.10	NP	--	79.06				--	--	--	--	--	--	
MW-14	1/31/2010	95.16	16.04	NP	--	79.12				--	--	--	--	--	--	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS									1	5	5	5	NGV	10		
MW-14	2/9/2010	95.16	16.12	NP	--	79.04				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.2	
MW-14	3/15/2010	95.16	15.44	NP	--	79.72				< 0.50	< 0.50	< 0.50	< 0.50	ND	1.6	
MW-14	4/8/2010	95.16	19.62	NP	--	75.54				--	--	--	--	--	--	
MW-14	5/19/2010	95.16	15.67	NP	--	79.49				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.8	
MW-14	6/2/2010	95.16	15.82	NP	--	79.34				--	--	--	--	--	--	
MW-14	7/12/2010	95.16	15.92	NP	--	79.24				--	--	--	--	--	--	
MW-14	8/18/2010	95.16	16.36	NP	--	78.80				< 0.50	< 0.50	< 0.50	< 0.50	ND	4.1	
MW-14	9/13/2010	95.16	16.02	NP	--	79.14				--	--	--	--	--	--	
MW-14	10/7/2010	95.16	15.87	NP	--	79.29				--	--	--	--	--	--	
MW-14	11/1/2010	95.16	16.01	NP	--	79.15				< 0.50	< 0.50	< 0.50	< 0.50	ND	3	
MW-14	2/14/2011	95.16	15.91	NP	--	79.25				< 0.50	< 0.50	< 0.50	< 0.50	ND	3.8	
MW-14	6/17/2011	95.16	15.94	NP	--	79.22		Purge volumes are estimates	1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.4	
MW-14	8/1/2011	95.16	16.13	NP	--	79.03		Purge volumes are estimates	1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.9	
MW-14	11/1/2011	95.16	15.50	NP	--	79.66			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.4	
MW-14	2/14/2012	95.16	16.29	NP	--	78.87			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	4.9	
MW-14	5/24/2012	95.16	16.34	NP	--	78.82			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.2	
MW-14	8/27/2012	95.16	15.65	NP	--	79.51			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.6	
MW-14	11/26/2012	95.16	16.34	NP	--	78.82			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.4	
MW-14	2/15/2013	95.16	16.54	NP	--	78.62			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.3	
MW-14	5/13/2013	95.16	16.51	NP	--	78.65			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.3	
MW-14	8/27/2013	95.16	16.12	NP	--	79.04			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.7	
MW-14	11/13/2013	95.16	16.73	NP	--	78.43			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.8	
MW-14	2/25/2014	95.16	15.95	NP	--	79.21			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-14	5/30/2014	95.16	16.16	NP	--	79.00		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	2.2	
MW-14	8/8/2014	95.16	16.18	NP	--	78.98			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-14	11/20/2014	95.16	16.15	NP	--	79.01			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	3	
MW-14	2/19/2015	95.16	16.01	NP	--	79.15			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.2	
MW-14	5/21/2015	95.16	16.15	NP	--	79.01			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.5	
MW-14	8/12/2015	95.16	15.91	NP	--	79.25			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.2	
MW-14	11/4/2015	95.16	16.77	NP	--	78.39			1.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.7	
MW-14	2/18/2016	95.16	16.20	NP	--	78.96			2.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.6	
MW-14	5/9/2016	95.16	16.28	NP	--	78.88			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.7	
MW-14	8/9/2016	95.16	16.12	NP	--	79.04			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	2.7	
MW-14	11/9/2016	95.16	16.16	NP	--	79.00			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	3.2	
MW-14	2/7/2017	95.16	16.01	NP	--	79.15			1.75	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.8	
MW-14	5/16/2017	95.16	15.68	NP	--	79.48			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	
MW-15	6/30/2009	99.08	17.22	NP	--	81.86				--	--	--	--	--	--	
MW-15	7/30/2009	99.08	17.25	NP	--	81.83				--	--	--	--	--	--	
MW-15	8/6/2009	99.08	17.37	NP	--	81.71				110	9,300	1,700	7,900	19,010	< 5.0	
MW-15	9/3/2009	99.08	17.46	NP	--	81.62				--	--	--	--	--	--	
MW-15	10/13/2009	99.08	17.65	NP	--	81.43				--	--	--	--	--	--	
MW-15	11/23/2009	99.08	17.76	NP	--	81.32				180	12,000	2,900	17,000	32,080	< 5.0	
MW-15	12/8/2009	99.08	17.68	NP	--	81.40				--	--	--	--	--	--	
MW-15	1/31/2010	99.08	17.64	NP	--	81.44				--	--	--	--	--	--	
MW-15	2/9/2010	99.08	17.68	NP	--	81.40				140	8,000	1,900	15,000	25,040	< 5.0	
MW-15	3/15/2010	99.08	16.94	NP	--	82.14				150	7,200	2,100	15,000	24,450	< 5.0	
MW-15	4/8/2010	99.08	21.11	NP	--	77.97				--	--	--	--	--	--	
MW-15	5/19/2010	99.08	16.80	NP	--	82.28				150	6,100	1,900	15,000	23,150	< 5.0	
MW-15	6/2/2010	99.08	16.95	NP	--	82.13				--	--	--	--	--	--	
MW-15	7/12/2010	99.08	17.20	NP	--	81.88				--	--	--	--	--	--	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-15	8/18/2010	99.08	17.56	NP	--	81.52				180	4,500	2,600	16,000	23,280	< 2.5	
MW-15	9/13/2010	99.08	17.48	NP	--	81.60				--	--	--	--	--	--	
MW-15	10/7/2010	99.08	17.42	NP	--	81.66				--	--	--	--	--	--	
MW-15	11/1/2010	99.08	17.51	NP	--	81.57				160	2,600	2,300	15,000	20,060	< 5.0	
MW-15	2/14/2011	99.08	17.40	NP	--	81.68				150	2,000	2,300	13,000	17,450	< 2.5	
MW-15	6/17/2011	99.08	17.01	NP	--	82.07		Purge volumes are estimates	2.00	150	2,600	2,400	14,000	19,150	< 5.0	
MW-15	8/1/2011	99.08	17.45	NP	--	81.63		Purge volumes are estimates	1.75	150	2,300	2,800	14,000	19,250	1.3 J	
MW-15	11/1/2011	99.08	16.30	NP	--	82.78			2.50	83	1,200	2,500	15,000	18,783	< 5.0	
MW-15	2/14/2012	99.08	16.90	NP	--	82.18			2.00	98	380	2,600	14,000	17,078	< 2.5	
MW-15	5/24/2012	99.08	17.36	NP	--	81.72			1.75	100	170	2,500	14,000	16,770	< 5.0	
MW-15	8/27/2012	99.08	17.36	NP	--	81.72			2.00	120	170	2,500	11,000	13,790	< 2.5	
MW-15	11/26/2012	99.08	17.65	NP	--	81.43			2.00	47	9,800	2,000	12,000	23,847	< 10	
MW-15	2/15/2013	99.08	16.85	NP	--	82.23			2.00	8.0 J	2,500	1,200	9,500	13,208	< 5.0	
MW-15	5/13/2013	99.08	15.52	NP	--	83.56			2.75	14	1,000	710	6,100	7,824	< 2.5	
MW-15	8/27/2013	99.08	16.76	NP	--	82.32			2.25	16	690	1,000	6,300	8,006	< 5.0	
MW-15	11/13/2013	99.08	17.90	NP	--	81.18			2.00	9.6	1,300	1,000	6,300	8,610	< 2.5	
MW-15	2/25/2014	99.08	--	--	--	--	NO	Purge volume not measured.		--	--	--	--	--	--	
MW-15	5/30/2014	99.08	17.61	NP	--	81.47		Purge volume not measured.		2.6	100	360	2,700	3,163	< 1.3	
MW-15	8/8/2014	99.08	17.76	NP	--	81.32			1.75	3.0 J	200	530	4,400	5,133	< 2.5	
MW-15	11/20/2014	99.08	18.15	NP	--	80.93			1.50	5.9	21	670	1,200	1,897	< 0.50	
MW-15	2/19/2015	99.08	17.76	NP	--	81.32			1.50	5.4	10	630	170	815.4	< 2.5	
MW-15	5/21/2015	99.08	17.96	NP	--	81.12			1.50	6.4	15	690	430	1,141	< 2.5	
MW-15	8/12/2015	99.08	17.87	NP	--	81.21			1.75	8.7	4.7 J	910	63	986.4	< 2.5	
MW-15	11/4/2015	99.08	17.94	NP	--	81.14			1.75	9.5	11	950	110	1,081	< 2.5	
MW-15	2/18/2016	99.08	18.06	NP	--	81.02			2.00	9.2 J	60	1,300	1,200	2,569	< 5.0	
MW-15	5/9/2016	99.08	18.15	NP	--	80.93			1.00	10	88	1,100	2,000	3,198	< 0.50	
MW-15	8/9/2016	99.08	18.25	NP	--	80.83			1.50	10	96	1,100	2,500	3,706	< 1.0	
MW-15	11/9/2016	99.08	18.59	NP	--	80.49			1.50	9.9	98	1,200	3,000	4,308	< 2.5	
MW-15	2/7/2017	99.08	18.49	NP	--	80.59			1.50	14	98	1,300	3,400	4,812	< 2.5	
MW-15	5/16/2017	99.08	17.98	NP	--	81.10			1.50	17	120	1,600	4,600	6,337	< 2.5	
MW-16	6/30/2009	100.30	19.92	NP	--	80.38				--	--	--	--	--	--	
MW-16	7/30/2009	100.30	18.15	NP	--	82.15				--	--	--	--	--	--	
MW-16	8/6/2009	100.30	19.91	NP	--	80.39				36	1.4 J	2.9 J	3.7 J	44	34	
MW-16	9/3/2009	100.30	19.91	NP	--	80.39				--	--	--	--	--	--	
MW-16	10/13/2009	100.30	19.96	NP	--	80.34				--	--	--	--	--	--	
MW-16	11/23/2009	100.30	20.03	NP	--	80.27				15	1	1.8	2.5	20.3	55	
MW-16	12/8/2009	100.30	20.01	NP	--	80.29				--	--	--	--	--	--	
MW-16	1/31/2010	100.30	19.99	NP	--	80.31				--	--	--	--	--	--	
MW-16	2/9/2010	100.30	20.05	NP	--	80.25				12	1.1	1.6	2.5	17.2	57	
MW-16	3/15/2010	100.30	19.86	NP	--	80.44				16	1.6	2.7	4.7	25	43	
MW-16	4/8/2010	100.30	22.79	NP	--	77.51				--	--	--	--	--	--	
MW-16	5/19/2010	100.30	19.83	NP	--	80.47				10	0.89 J	1.7	2.4	14.99	38	
MW-16	6/2/2010	100.30	19.86	NP	--	80.44				--	--	--	--	--	--	
MW-16	7/12/2010	100.30	19.89	NP	--	80.41				--	--	--	--	--	--	
MW-16	8/18/2010	100.30	20.03	NP	--	80.27				7.8	0.94 J	1.4	2.5	12.64	37	
MW-16	9/13/2010	100.30	19.94	NP	--	80.36				--	--	--	--	--	--	
MW-16	10/7/2010	100.30	20.06	NP	--	80.24				--	--	--	--	--	--	
MW-16	11/1/2010	100.30	19.97	NP	--	80.33				6.3	0.87 J	0.92 J	2.2	10.29	33	
MW-16	2/14/2011	100.30	19.89	NP	--	80.41				3.9	0.80 J	< 0.50	2.1	6.8	23	
MW-16	6/17/2011	100.30	19.82	NP	--	80.48		Purge volumes are estimates	1.25	3.3	0.93 J	< 0.50	2.4	6.63	15	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-16	8/1/2011	100.30	19.87	NP	--	80.43		Purge volumes are estimates	1.25	1.8	0.85 J	<0.50	2.5	5.15	18	
MW-16	11/1/2011	100.30	22.35	NP	--	77.95			1.25	1.4	0.83 J	<0.50	2.3	4.53	13	
MW-16	2/14/2012	100.30	19.90	NP	--	80.40			1.00	0.54 J	0.92 J	<0.50	3.7	5.16	16	
MW-16	5/24/2012	100.30	19.97	NP	--	80.33			1.00	<0.50	0.75 J	<0.50	2.5	3.25	11	
MW-16	8/27/2012	100.30	19.89	NP	--	80.41			1.00	<0.50	0.65 J	<0.50	2	2.65	16	
MW-16	11/26/2012	100.30	19.95	NP	--	80.35			1.00	<0.50	0.59 J	<0.50	1.9	2.49	14	
MW-16	2/15/2013	100.30	19.85	NP	--	80.45			1.00	<0.50	0.63 J	<0.50	1.7	2.33	16	
MW-16	5/13/2013	100.30	19.71	NP	--	80.59			1.50	<0.50	0.69 J	<0.50	2.8	3.49	13	
MW-16	8/27/2013	100.30	19.82	NP	--	80.48			1.50	<0.50	<0.50	<0.50	1.4	1.4	11	
MW-16	11/13/2013	100.30	20.04	NP	--	80.26			2.25	<0.50	<0.50	<0.50	1	1	13	
MW-16	2/25/2014	100.30	19.45	NP	--	80.85			3.00	0.51 J	0.82 J	<0.50	0.82 J	2.15	12	
MW-16	5/30/2014	100.30	19.95	NP	--	80.35		Purge volume not measured.		0.91 J	1.1	0.57 J	2.3	4.88	16	
MW-16	8/8/2014	100.30	19.93	NP	--	80.37			1.50	0.62 J	<0.50	<0.50	1.4	2.02	16	
MW-16	11/20/2014	100.30	20.10	NP	--	80.20			1.50	<0.50	<0.50	<0.50	0.69 J	0.69	19	
MW-16	2/19/2015	100.30	--	--	--	--	VO	Purge volume not measured. Not Gauged Car Parked Over		--	--	--	--	--	--	
MW-16	5/21/2015	100.30	20.00	NP	--	80.30			0.50	<0.50	<0.50	<0.50	1.2	1.2	20	
MW-16	8/12/2015	100.30	19.95	NP	--	80.35			1.25	<0.50	<0.50	<0.50	0.86 J	0.86	20	
MW-16	11/4/2015	100.30	20.08	NP	--	80.22			1.00	<0.50	<0.50	<0.50	0.99 J	0.99	17	
MW-16	2/18/2016	100.30	21.15	NP	--	79.15			1.00	<0.50	<0.50	<0.50	1.7	1.7	17	
MW-16	5/9/2016	100.30	--	--	--	--	VO	Purge volume not measured. Not Gauged Vehicle Blocking Well		--	--	--	--	--	--	
MW-16	8/9/2016	100.30	20.15	NP	--	80.15			1.50	<0.50	<0.50	<0.50	0.62 J	0.62	15	
MW-16	11/9/2016	100.30	20.29	NP	--	80.01			1.00	<0.50	<0.50	<0.50	1	1	16	
MW-16	2/7/2017	100.30	20.24	NP	--	80.06			1.50	<0.50	<0.50	<0.50	1	1	14	
MW-16	5/16/2017	100.30	19.99	NP	--	80.31			1.50	<0.50	0.51 J	<0.50	1	1.51	14	
MW-17	6/30/2009	94.96	13.66	NP	--	81.30				--	--	--	--	--	--	
MW-17	7/30/2009	94.96	17.57	NP	--	77.39				--	--	--	--	--	--	
MW-17	8/6/2009	94.96	15.36	NP	--	79.60				<0.50	<0.70	<0.80	<0.80	ND	0.82 J	
MW-17	9/3/2009	94.96	15.57	NP	--	79.39				--	--	--	--	--	--	
MW-17	10/13/2009	94.96	15.66	NP	--	79.30				--	--	--	--	--	--	
MW-17	11/23/2009	94.96	15.79	NP	--	79.17				<0.50	<0.50	<0.50	<0.50	ND	<0.50	
MW-17	12/8/2009	94.96	15.88	NP	--	79.08				--	--	--	--	--	--	
MW-17	1/31/2010	94.96	15.83	NP	--	79.13				--	--	--	--	--	--	
MW-17	2/9/2010	94.96	15.89	NP	--	79.07				<0.50	<0.50	<0.50	<0.50	ND	1.2	
MW-17	3/15/2010	94.96	15.21	NP	--	79.75				<0.50	<0.50	<0.50	<0.50	ND	1.5	
MW-17	4/8/2010	94.96	20.98	NP	--	73.98				--	--	--	--	--	--	
MW-17	5/19/2010	94.96	15.44	NP	--	79.52				<0.50	<0.50	<0.50	<0.50	ND	1.2	
MW-17	6/2/2010	94.96	15.62	NP	--	79.34				--	--	--	--	--	--	
MW-17	7/12/2010	94.96	15.72	NP	--	79.24				--	--	--	--	--	--	
MW-17	8/18/2010	94.96	16.01	NP	--	78.95				<0.50	<0.50	<0.50	<0.50	ND	1.2	
MW-17	9/13/2010	94.96	15.83	NP	--	79.13				--	--	--	--	--	--	
MW-17	10/7/2010	94.96	15.65	NP	--	79.31				--	--	--	--	--	--	
MW-17	11/1/2010	94.96	15.78	NP	--	79.18				<0.50	<0.50	<0.50	<0.50	ND	1	
MW-17	2/14/2011	94.96	15.68	NP	--	79.28				<0.50	<0.50	<0.50	<0.50	ND	1.1	
MW-17	6/17/2011	94.96	15.71	NP	--	79.25		Purge volumes are estimates	2.50	<0.50	<0.50	<0.50	<0.50	ND	0.83 J	
MW-17	8/1/2011	94.96	15.94	NP	--	79.02		Purge volumes are estimates	2.25	<0.50	<0.50	<0.50	<0.50	ND	1	
MW-17	11/1/2011	94.96	15.30	NP	--	79.66			2.75	<0.50	<0.50	<0.50	<0.50	ND	0.95 J	
MW-17	2/14/2012	94.96	16.09	NP	--	78.87			2.25	<0.50	<0.50	<0.50	<0.50	ND	1.5	
MW-17	5/24/2012	94.96	16.15	NP	--	78.81			2.25	<0.50	<0.50	<0.50	<0.50	ND	1	
MW-17	8/27/2012	94.96	15.44	NP	--	79.52			6.00	<0.50	<0.50	<0.50	<0.50	ND	1.6	

Table 1
 BP Station No. 03887
 164 4th Ave.
 Brooklyn, NY

Monitoring Well	Date	GROUNDWATER ELEVATION DATA							GROUNDWATER ANALYTICAL DATA							
		TOC (ft)	Depth to Water (ft)	Depth to LNAPL (ft)	LNAPL Thickness (ft)	Water Level Elevation* (ft)	Qualifiers	Comments	Purge Volume (gal)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE(µg/L)	Comments
NYSDEC TOGS WQS										1	5	5	5	NGV	10	
MW-17	11/26/2012	94.96	16.15	NP	--	78.81			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.5	
MW-17	2/15/2013	94.96	16.32	NP	--	78.64			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.4	
MW-17	5/13/2013	94.96	16.32	NP	--	78.64			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.1	
MW-17	8/27/2013	94.96	15.93	NP	--	79.03			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.3	
MW-17	11/13/2013	94.96	16.54	NP	--	78.42			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.4	
MW-17	2/25/2014	94.96	20.60	NP	--	74.36			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.1	
MW-17	5/30/2014	94.96	15.98	NP	--	78.98		Purge volume not measured.		< 0.50	< 0.50	< 0.50	< 0.50	ND	0.81 J	
MW-17	8/8/2014	94.96	15.97	NP	--	78.99			5.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.87 J	
MW-17	11/20/2014	94.96	15.95	NP	--	79.01			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	1.2	
MW-17	2/19/2015	94.96	15.81	NP	--	79.15			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.88 J	
MW-17	5/21/2015	94.96	15.95	NP	--	79.01			2.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.81 J	
MW-17	8/12/2015	94.96	15.70	NP	--	79.26			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.85 J	
MW-17	11/4/2015	94.96	16.58	NP	--	78.38			2.00	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.89 J	
MW-17	2/18/2016	94.96	15.94	NP	--	79.02			2.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.98 J	
MW-17	5/9/2016	94.96	16.09	NP	--	78.87			2.25	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.82 J	
MW-17	8/9/2016	94.96	15.90	NP	--	79.06			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.96 J	
MW-17	11/9/2016	94.96	15.97	NP	--	78.99			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.81 J	
MW-17	2/7/2017	94.96	15.78	NP	--	79.18			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.98 J	
MW-17	5/16/2017	94.96	15.48	NP	--	79.48			2.50	< 0.50	< 0.50	< 0.50	< 0.50	ND	0.72 J	

Notes:

TOC - Top of Casing
 ft - feet
 NP - No Product
 LNAPL - Light Non-Aqueous Phase Liquid
 * - Corrected for LNAPL if present (assumes LNAPL specific gravity = 0.75)
 Gal - Gallon
 -- No Information Available
 Dry - Well Dry
 ABD - Well Abandoned
 NG - Not Gauged
 NL - Not Located
 NO - Natural Obstruction (ice, snow, flooded, etc)
 NM - Not Measured
 VO - Vehicle Obstruction
 WD - Well Destroyed
 WI - Well Inaccessible
 WO - Well Obstruction

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 tertiarybutyl ether
 µg/L Micrograms per liter
 NGV No guidance value
 Results in bold exceed applicable NYSDEC TOGS WQS
 J Estimated concentration below the instrument reporting limit
 NS Not sampled
 NA Not analyzed
 ND Not detected
 E Exceeded Calibration Range Of Instrument
 - No information available

Appendix A

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

Report Date: June 07, 2017

Project: BP 3887

Submittal Date: 05/17/2017
Group Number: 1802316
PO Number: 00B1B-0003
Release Number: ONUFRAK/3887
State of Sample Origin: NY

Client Sample Description

	Lancaster Labs (LL) #
MW-2 Grab Water	8997462
MW-3 Grab Water	8997463
MW-4 Grab Water	8997464
MW-5 Grab Water	8997465
MW-6 Grab Water	8997466
MW-7 Grab Water	8997467
MW-8 Grab Water	8997468
MW-9 Grab Water	8997469
MW-10 Grab Water	8997470
MW-12 Grab Water	8997471
MW-12 Matrix Spike Grab Water	8997472
MW-12 Matrix Spike Dup Grab Water	8997473
MW-13 Grab Water	8997474
MW-14 Grab Water	8997475
MW-15 Grab Water	8997476
MW-16 Grab Water	8997477
MW-17 Grab Water	8997478
Trip Blank Water	8997479
MW-1 Grab Water	8997480

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

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our current scopes of accreditation can be viewed at <http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/>. To request copies of prior scopes of accreditation, contact your project manager.

Electronic Copy To Antea Group

Attn: Glen Schrank

Electronic Copy To The Antea Group

Attn: Mara Grislis

Respectfully Submitted,



Alison Bainbridge
Specialist

(717) 556-7366

Project Name: BP 3887
LL Group #: 1802316

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.

Sample Description: MW-2 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997462
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:00 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW2

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	11	2.5	5.0	5
13130	Ethylbenzene	100-41-4	870	2.5	5.0	5
13130	Methyl Tertiary Butyl Ether	1634-04-4	23	2.5	5.0	5
13130	Toluene	108-88-3	< 2.5	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	850	2.5	5.0	5

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 02:33	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 02:33	Hu Yang	5

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

Sample Description: MW-3 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997463
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:10 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW3

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 21:49	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 21:49	Hu Yang	1

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

Sample Description: MW-4 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997464
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:20 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW4

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	210	2.5	5.0	5
13130	Ethylbenzene	100-41-4	350	2.5	5.0	5
13130	Methyl Tertiary Butyl Ether	1634-04-4	21	2.5	5.0	5
13130	Toluene	108-88-3	5.5	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	350	2.5	5.0	5

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 01:05	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 01:05	Hu Yang	5

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

Sample Description: MW-5 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997465
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 10:35 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW5

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	170	2.5	5.0	5
13130	Ethylbenzene	100-41-4	11	2.5	5.0	5
13130	Methyl Tertiary Butyl Ether	1634-04-4	140	2.5	5.0	5
13130	Toluene	108-88-3	12	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	14	2.5	5.0	5

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 01:27	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 01:27	Hu Yang	5

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

Sample Description: MW-6 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997466
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:30 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW6

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	410	2.5	5.0	5
13130	Ethylbenzene	100-41-4	140	2.5	5.0	5
13130	Methyl Tertiary Butyl Ether	1634-04-4	670	2.5	5.0	5
13130	Toluene	108-88-3	37	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	73	2.5	5.0	5

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 01:49	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 01:49	Hu Yang	5

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

Sample Description: MW-7 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997467
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:40 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW7

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	9.5	0.50	1.0	1
13130	Ethylbenzene	100-41-4	3.0	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	52	0.50	1.0	1
13130	Toluene	108-88-3	3.8	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	8.4	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 22:10	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 22:10	Hu Yang	1

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

Sample Description: MW-8 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997468
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 11:50 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW8

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 22:32	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 22:32	Hu Yang	1

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

Sample Description: MW-9 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997469
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:00 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW9

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	0.77 J	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 22:54	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 22:54	Hu Yang	1

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

Sample Description: MW-10 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997470
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:10 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	14	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	0.94 J	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 23:16	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 23:16	Hu Yang	1

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

Sample Description: MW-12 Grab Water
BP 03887 COC: 526487
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997471
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:20 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 20:43	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 20:43	Hu Yang	1

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

Sample Description: MW-12 Matrix Spike Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997472
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:20 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	22	0.50	1.0	1
13130	Ethylbenzene	100-41-4	20	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	19	0.50	1.0	1
13130	Toluene	108-88-3	22	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	63	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 21:05	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 21:05	Hu Yang	1

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

Sample Description: MW-12 Matrix Spike Dup Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997473
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:20 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M12

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	22	0.50	1.0	1
13130	Ethylbenzene	100-41-4	20	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	19	0.50	1.0	1
13130	Toluene	108-88-3	22	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	63	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 21:27	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 21:27	Hu Yang	1

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

Sample Description: MW-13 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997474
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:30 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M13

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	2.5	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 23:38	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 23:38	Hu Yang	1

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

Sample Description: MW-14 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997475
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:40 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M14

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	1.2	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 00:00	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 00:00	Hu Yang	1

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

Sample Description: MW-15 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997476
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 12:50 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	17	2.5	5.0	5
13130	Ethylbenzene	100-41-4	1,600	25	50	50
13130	Methyl Tertiary Butyl Ether	1634-04-4	< 2.5	2.5	5.0	5
13130	Toluene	108-88-3	120	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	4,600	25	50	50

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 02:54	Hu Yang	5
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AB	05/25/2017 10:38	Anita M Dale	50
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 02:54	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	2	F171381AB	05/25/2017 10:38	Anita M Dale	50

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

Sample Description: MW-16 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997477
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 13:00 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	14	0.50	1.0	1
13130	Toluene	108-88-3	0.51 J	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	1.0	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 00:21	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 00:21	Hu Yang	1

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

Sample Description: MW-17 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997478
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 13:10 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17M17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	0.72 J	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 00:43	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 00:43	Hu Yang	1

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

Sample Description: Trip Blank Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997479
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

517TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	< 0.50	0.50	1.0	1
13130	Ethylbenzene	100-41-4	< 0.50	0.50	1.0	1
13130	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	1.0	1
13130	Toluene	108-88-3	< 0.50	0.50	1.0	1
13130	Xylene (Total)	1330-20-7	< 0.50	0.50	1.0	1

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/18/2017 20:21	Hu Yang	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/18/2017 20:21	Hu Yang	1

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

Sample Description: MW-1 Grab Water
BP 03887 COC: 526488
164 4th Ave - Brooklyn, NY

LL Sample # WW 8997480
LL Group # 1802316
Account # 12379

Project Name: BP 3887

Collected: 05/16/2017 10:50 by KC

Atlantic Richfield (Antea-NY)

Submitted: 05/17/2017 09:20

BP Corporation

Reported: 06/07/2017 15:07

501 WestLake Park Blvd.

Houston TX 77079

17MW1

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260C	ug/l	ug/l	ug/l	
13130	Benzene	71-43-2	100	2.5	5.0	5
13130	Ethylbenzene	100-41-4	350	2.5	5.0	5
13130	Methyl Tertiary Butyl Ether	1634-04-4	20	2.5	5.0	5
13130	Toluene	108-88-3	56	2.5	5.0	5
13130	Xylene (Total)	1330-20-7	660	2.5	5.0	5

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
13130	UST VOCs BTEX/MTBE 8260	SW-846 8260C	1	F171381AA	05/19/2017 02:11	Hu Yang	5
01163	GC/MS VOA Water Prep	SW-846 5030C	1	F171381AA	05/19/2017 02:11	Hu Yang	5

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

Quality Control Summary

Client Name: Atlantic Richfield (Antea-NY)
Reported: 06/07/2017 15:07

Group Number: 1802316

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.

Method Blank

Analysis Name	Result ug/l	MDL** ug/l	LOQ ug/l
Batch number: F171381AA	Sample number(s): 8997462-8997480		
Benzene	< 0.50	0.50	1.0
Ethylbenzene	< 0.50	0.50	1.0
Methyl Tertiary Butyl Ether	< 0.50	0.50	1.0
Toluene	< 0.50	0.50	1.0
Xylene (Total)	< 0.50	0.50	1.0
Batch number: F171381AB	Sample number(s): 8997476		
Ethylbenzene	< 0.50	0.50	1.0
Xylene (Total)	< 0.50	0.50	1.0

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: F171381AA	Sample number(s): 8997462-8997480								
Benzene	20	21.34			107		78-120		
Ethylbenzene	20	19.43			97		78-120		
Methyl Tertiary Butyl Ether	20	19.75			99		75-120		
Toluene	20	20.93			105		80-120		
Xylene (Total)	60	60.9			101		80-120		
Batch number: F171381AB	Sample number(s): 8997476								
Ethylbenzene	20	20.99			105		78-120		
Xylene (Total)	60	63.33			106		80-120		

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Batch number: F171381AA	Sample number(s): 8997462-8997480 UNSPK: 8997471									

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control Summary

Client Name: Atlantic Richfield (Antea-NY)
Reported: 06/07/2017 15:07

Group Number: 1802316

MS/MSD

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

Analysis Name	Unspiked Conc ug/l	MS Spike Added ug/l	MS Conc ug/l	MSD Spike Added ug/l	MSD Conc ug/l	MS %Rec	MSD %Rec	MS/MSD Limits	RPD	RPD Max
Benzene	< 0.50	20	22.02	20	22.23	110	111	78-120	1	30
Ethylbenzene	< 0.50	20	20.16	20	20.11	101	101	78-120	0	30
Methyl Tertiary Butyl Ether	< 0.50	20	19.31	20	19.41	97	97	75-120	1	30
Toluene	< 0.50	20	21.92	20	22.02	110	110	80-120	0	30
Xylene (Total)	< 0.50	60	63.18	60	63.11	105	105	80-120	0	30
Batch number: F171381AB Sample number(s): 8997476 UNSPK: 8997471										
Ethylbenzene	< 0.50	20	20.16	20	20.11	101	101	78-120	0	30
Xylene (Total)	< 0.50	60	63.18	60	63.11	105	105	80-120	0	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: F171381AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
8997462	100	98	99	101
8997463	106	106	97	91
8997464	101	98	98	96
8997465	100	98	99	96
8997466	101	100	100	98
8997467	101	100	98	100
8997468	106	101	96	92
8997469	103	99	97	92
8997470	102	100	99	92
8997471	107	102	96	90
8997472	103	102	100	97
8997473	103	101	99	100
8997474	105	103	96	90
8997475	106	104	98	91
8997476	102	101	100	101
8997477	102	99	99	94
8997478	106	103	96	90
8997479	106	104	97	90
8997480	102	99	98	98
Blank	106	103	98	91
LCS	102	104	98	98
MS	103	102	100	97
MSD	103	101	99	100
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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Quality Control SummaryClient Name: Atlantic Richfield (Antea-NY)
Reported: 06/07/2017 15:07Group Number: 1802316

*- 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.

P##### is indicative of a Background or Unspiked sample that is batch matrix QC and was not performed using a sample from this submission group.

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 12779 Group # 1202316 Sample # 8947462-80

COC # 526487

Client Information				Matrix			Analysis Requested						For Lab Use Only				
Client: <u>BP (Astea Group) Atlantic Richfield (ARJ)</u>				Tissue <input type="checkbox"/>			Preservation Codes						FSC: _____				
Project Name/ #: <u>BP 03887/03887EA171-40123</u>				Ground <input checked="" type="checkbox"/>			H						SCR#: <u>205814</u>				
Project Manager: <u>Glen Schrank</u>				Surface <input type="checkbox"/>			Total # of Containers <u>STEX/MTBE 8260</u>						Preservation Codes H=HCl T=Thiosulfate N=HNO ₃ B=NaOH S=H ₂ SO ₄ O=Other				
P.O. #: <u>03887EA171-40123</u>				Potable <input type="checkbox"/>									Remarks				
Sampler: <u>Ken Click</u>				NPDES <input type="checkbox"/>													
Quote #: _____				Other: _____													
State where samples were collected: <u>New York</u>		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Soil <input type="checkbox"/>													
Sample Identification		Collected		Grab	Composite	Water	Other:	Total # of Containers									
Date	Time																
<u>MW-2</u>	<u>5/16/17</u>	<u>11:00</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-3</u>		<u>11:10</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-4</u>		<u>11:20</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-5</u>		<u>10:55</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-6</u>		<u>11:30</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-7</u>		<u>11:40</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-8</u>		<u>11:50</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-9</u>		<u>12:00</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-10</u>		<u>12:10</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								
<u>MW-12</u>	<u>5/16/17</u>	<u>12:20</u>	<u>X</u>			<u>X</u>		<u>3</u>	<u>X</u>								

Turnaround Time (TAT) Requested (please circle) Standard <u>Standard</u> Rush		Relinquished by <u>SDelle</u> Date <u>5/8/17</u> Time <u>9:35</u>		Received by _____ Date _____ Time _____	
(Rush TAT is subject to laboratory approval and surcharge.)		Relinquished by <u>[Signature]</u> Date <u>5/16/17</u> Time <u>17:00</u>		Received by _____ Date _____ Time _____	
Date results are needed: <u>5/26/17</u>		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____	
E-mail address: <u>maria.gostis@antega.com</u>		Relinquished by _____ Date _____ Time _____		Received by _____ Date _____ Time _____	
Relinquished by _____ Date _____ Time _____		Relinquished by _____ Date _____ Time _____		Received by <u>Nia Smith</u> Date <u>5/17/17</u> Time <u>9:20</u>	
Data Package Options (circle if required) Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only) Type III (Reduced non-CLP) NJ DKQP TX TRRP-13 NYSDEC Category A or B MA MCP CT RCP		EDD Required? (Yes) No If yes, format: <u>PDF, excel</u>		Relinquished by Commercial Carrier: UPS _____ FedEx <u>X</u> Other _____	
		Site-Specific QC (MS/MSD/Dup)? (Yes) No (If yes, indicate QC sample and submit triplicate sample volume.)		Temperature upon receipt <u>0.8</u> °C	

Environmental Analysis Request/Chain of Custody



Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # 12374 Group # 1600716 Sample # 8947462-20

COC # 526488

Client Information				Matrix				Analysis Requested												For Lab Use Only																																																																																																												
Client: <u>Atlantic Richfield (Antea - NY)</u>		Acct. #:		<input type="checkbox"/> Tissue		<input checked="" type="checkbox"/> Ground		<input type="checkbox"/> Surface		Preservation Codes												FSC: _____																																																																																																										
Project Name/#: <u>BP 03887 / 03887EA171-40123</u>		PWSID #:		<input type="checkbox"/> Potable		<input type="checkbox"/> NPDES		<input type="checkbox"/> Other:		<table border="1"> <thead> <tr> <th colspan="12">Preservation Codes</th> </tr> <tr> <td colspan="6">H</td> <td colspan="6"></td> <td colspan="6"></td> </tr> </thead> <tbody> <tr> <td colspan="12" rowspan="3">BTEX/MBE 8260</td> <td colspan="12"> <table border="1"> <thead> <tr> <th colspan="6">Preservation Codes</th> </tr> <tr> <td>H=HCl</td><td colspan="3">T=Thiosulfate</td><td colspan="3"></td> </tr> <tr> <td>N=HNO₃</td><td colspan="3">B=NaOH</td><td colspan="3"></td> </tr> <tr> <td>S=H₂SO₄</td><td colspan="3">O=Other</td><td colspan="3"></td> </tr> </thead> </table> </td> </tr> <tr> <th colspan="12">Remarks</th> </tr> <tr> <td colspan="12"> </td> </tr> </tbody> </table>												Preservation Codes												H																		BTEX/MBE 8260												<table border="1"> <thead> <tr> <th colspan="6">Preservation Codes</th> </tr> <tr> <td>H=HCl</td><td colspan="3">T=Thiosulfate</td><td colspan="3"></td> </tr> <tr> <td>N=HNO₃</td><td colspan="3">B=NaOH</td><td colspan="3"></td> </tr> <tr> <td>S=H₂SO₄</td><td colspan="3">O=Other</td><td colspan="3"></td> </tr> </thead> </table>												Preservation Codes						H=HCl	T=Thiosulfate						N=HNO ₃	B=NaOH						S=H ₂ SO ₄	O=Other						Remarks																								SCR#: _____	
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Sampler: <u>Ken Click</u>		Quote #:																																																																																																																														
State where samples were collected: <u>New York</u>		For Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																																																																																																														
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Date	Time																																																																																																																															
<u>MW-12 MS</u>	<u>5/16/17</u>	<u>12:20</u>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>3</u>	<input checked="" type="checkbox"/>																																																																																																																						
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<u>MW-13</u>		<u>12:30</u>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>3</u>	<input checked="" type="checkbox"/>																																																																																																																						
<u>MW-14</u>		<u>12:40</u>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>3</u>	<input checked="" type="checkbox"/>																																																																																																																						
<u>MW-15</u>		<u>12:50</u>	<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>		<u>3</u>	<input checked="" type="checkbox"/>																																																																																																																						
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<u>MW-1</u>	<u>5/16/17</u>	<u>10:50</u>																																																																																																																														

Turnaround Time (TAT) Requested (please circle)

Standard Rush

(Rush TAT is subject to laboratory approval and surcharge.)

Date results are needed: 5/26/17

E-mail address: maria.grislise@anteagroup.com

Relinquished by: <u>[Signature]</u>	Date: <u>5/16/17</u>	Time: <u>17:00</u>	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by: <u>Nic Smith</u>	Date: <u>5/17/17</u>	Time: <u>9:20</u>

Data Package Options (circle if required)

Type I (EPA Level 3 Equivalent/non-CLP) Type VI (Raw Data Only)

Type III (Reduced non-CLP) NJ DKQP TX TRRP-13

NYSDEC Category A or B MA MCP CT RCP

EDD Required? Yes No

If yes, format: PDF, excel

Site-Specific QC (MS/MSD/Dup)? Yes No

(If yes, indicate QC sample and submit triplicate sample volume.)

Relinquished by Commercial Carrier:
 UPS _____ FedEx X Other _____

Temperature upon receipt 0.8 °C



Client: Atlantic Richfield (Antea)

Delivery and Receipt Information

Delivery Method: Fed Ex Arrival Timestamp: 05/17/2017 9:20
 Number of Packages: 1 Number of Projects: 1
 State/Province of Origin: NY

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	VOA Vial Headspace \geq 6mm:	Yes
Samples Chilled:	Yes	VOA IDs (\geq 6mm):	See Below
Paperwork Enclosed:	Yes	Total Trip Blank Qty:	2
Samples Intact:	Yes	Trip Blank Type:	HCI
Missing Samples:	No	Air Quality Samples Present:	No
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

VOA Vial IDs (Headspace \geq 6mm): 1 Trip Blank

Unpacked by Nia Smith (12375) at 15:03 on 05/17/2017

Samples Chilled Details

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	0.8	DT	Wet	Y	Bagged	N

Explanation of Symbols and Abbreviations

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

BMQL	Below Minimum Quantitation Level	mg	milligram(s)
C	degrees Celsius	mL	milliliter(s)
cfu	colony forming units	MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units	N.D.	none detected
F	degrees Fahrenheit	ng	nanogram(s)
g	gram(s)	NTU	nephelometric turbidity units
IU	International Units	pg/L	picogram/liter
kg	kilogram(s)	RL	Reporting Limit
L	liter(s)	TNTC	Too Numerous To Count
lb.	pound(s)	µg	microgram(s)
m3	cubic meter(s)	µL	microliter(s)
meq	milliequivalents	umhos/cm	micromhos/cm
<	less than		
>	greater than		
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 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.		

Laboratory Data Qualifiers:

- C - Result confirmed by reanalysis
- E - Concentration exceeds the calibration range
- J (or G, I, X) - estimated value \geq the Method Detection Limit (MDL or DL) and $<$ the Limit of Quantitation (LOQ or RL)
- P - Concentration difference between the primary and confirmation column $>40\%$. The lower result is reported.
- U - Analyte was not detected at the value indicated
- V - Concentration difference between the primary and confirmation column $>100\%$. The reporting limit is raised due to this disparity and evident interference...
- W - The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) 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.

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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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