Groundwater & Environmental Services, Inc.

EASTERN NEW YORK OFFICE

October 30, 2017

Michael D. MacCabe, P.E.
Senior Environmental Engineer
Division of Environmental Remediation
NYS Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7016

Re: Site Status Update Report
Former Mobil Station #17-EMW
304 Columbia Street
Brooklyn, New York
NYSDEC Spill #89-04339

Dear Mr. MacCabe:

Please find the enclosed *Site Status Update Report* for work performed between July through September 2017 for the Former Mobil Station #17-EMW ("the Site") located at 304 Columbia Street in Brooklyn, New York. During this monitoring period, the following work was performed:

Quarterly Groundwater Monitoring

The 3rd quarter groundwater monitoring event was conducted on September 7th, 2017. Sixteen (16) monitoring wells were gauged (MW-1 through MW-3, MW-5, MW-8A, MW-10 through MW-20). Fourteen (14) monitoring wells were sampled (MW-1, MW-3, MW-5, MW-8A, MW-10 through MW-12, MW-14, MW-15, MW-17 through MW-20). Samples collected were analyzed for BTEX and MTBE via EPA Method 8260. Monitoring well MW-9 could not be located and therefore was not gauged or sampled. Monitoring well MW-7A was inaccessible and therefore was not gauged or sampled. LPH was detected in monitoring wells MW-2 (0.56 feet), and MW-13 (0.09 feet), and MW-16 (0.01) during the 3rd quarter 2017 groundwater monitoring event.

Dissolved BTEX concentrations ranged from non-detect at one (1) well (MW-5) to 13,499 µg/L (MW-10). Dissolved MTBE concentrations ranged from non-detect at eleven (11) wells (MW-1, MW-3, MW-5, MW-8A, MW-10, MW-12, MW-14, and MW-16 through MW-19) to 6.3 µg/L (MW-20).

The next groundwater monitoring event will be conducted in December 2017 and the 4th Quarter 2017 Site Status Update Report will be submitted in January 2018.

Should you have any questions or comments regarding the information provided herein, please contact Michael DeGloria at (866) 839-5195, extension 3839.

Respectfully Submitted,
Groundwater & Environmental Services, Inc.

Dustin Gagliano
Digitally signed by Dustin Gagliano
DN: cn=Dustin Gagliano, o=GES, ou=GES, email=Dgagliano@gesonline.com, c=US
Date: 2017.10.30 15:03:30 -04'00'

Digitally signed by Michael DeGloria
Date: 2017.10.30 14:59:48 -04'00'

Dustin Gagliano
Associate Environmental Scientist

Michael DeGloria, P.G.
Senior Project Manager

Enclosure

cc: Elaine Lamm-Exxon Mobil Environmental Services Company

EXXONMOBIL ENVIRONMENTAL SERVICES COMPANY
SITE STATUS UPDATE REPORT

Site ID:	Former Mobil Station #17-EMW	**Regulatory Agency:**	NYSDEC - Region 2
Site Address:	304 Columbia Street Brooklyn, New York	**Regulatory Contact:**	Michael MacCabe, P.E.
ExxonMobil Contact:	Elaine Lamm	**NYSDEC Spill #(s):**	89-04339
Consultant:	Groundwater & Environmental Services, Inc. (GES)	**GES Project Manager:**	Michael DeGloria, P.G.

Report Date: October 30, 2017

Monitoring Period: July through September 2017

Current Site Status: The Site is currently an automobile repair facility.

Work Performed:

- September 7, 2017 - Conducted quarterly groundwater monitoring activities which included the gauging of sixteen (16) monitoring wells were gauged (MW-1through MW-3, MW-5, MW-8A, MW-10 through MW-20). Fourteen (14) monitoring wells were sampled (MW-1, MW-3, MW-5, MW-8A, MW-10 through MW-12, MW-14, MW-15,MW-17 through MW-20). Monitoring well MW-9 could not be located and therefore was not gauged or sampled. Monitoring well MW-7A was inaccessible and therefore was not gauged or sampled. Monitoring wells MW-2 and MW-13 contained measurable product and were not sampled.

Groundwater Monitoring:

Number of Wells:	**Total = 18** On-Site Wells: MWs (14): MW-1 through MW-3, MW-5, MW-7A, MW-11 through MW-14 and MW-16 through MW-20 Off-Site Wells: MWs (4): MW-8A, MW-9, MW-10 and MW-15
Gauging Frequency:	Quarterly
LPH:	0.01 feet (MW-16), 0.09 (MW-13), and 0.56 feet (MW-2).
Groundwater Depth:	7.86 feet (MW-17) to 9.66 (MW-12) feet below TOC
Groundwater Flow:	South/southwest.
Sampling Frequency:	Quarterly
Groundwater Analytical Results:	BTEX: ND at one (1) well (MW-5) to 13,499 µg/L (MW-10). MTBE: ND at eleven (11) wells (MW-1, MW-3, MW-5, MW-8A, MW-10, MW-12, MW-14, and MW-16 through MW-19) to 6.3 µg/L (MW-20).

Proposed Plans:

- Conduct quarterly groundwater sampling in December 2017.
- Prepare a Site Status Update Report in January 2018 documenting quarterly Site activities.

Attachments:

Table 1 – Historical Groundwater Monitoring Summary

Figure 1 – Groundwater Monitoring Map – September 7, 2017

Attachment A – List of Acronyms
Attachment B – Site History
Attachment C – Laboratory Analytical Results – Groundwater

TABLE

Table 1

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-1	2/28/2005	100.00	8.48	8.47	0.01	91.54	-	-	-	-	-	-	
	6/6/2005		8.41	8.40	0.01	91.60	-	-	-	-	-	-	
	9/8/2005		9.10	9.02	0.08	91.02	-	-	-	-	-	-	
	12/29/2005		7.95	7.94	0.01	92.07	-	-	-	-	-	-	
	3/20/2006		8.69	8.60	0.09	91.45	-	-	-	-	-	-	
	6/7/2006		7.65	-	-	92.35	-	-	-	-	-	-	
	9/14/2006		7.70	7.51	0.19	92.59	-	-	-	-	-	-	
	12/7/2006		7.88	7.62	0.26	92.51	-	-	-	-	-	-	
	3/29/2007		8.44	8.28	0.16	91.80	-	-	-	-	-	-	
	6/13/2007		-	-	-	-	-	-	-	-	-	-	NM
	9/19/2007		9.03	8.68	0.35	91.50	-	-	-	-	-	-	
	12/11/2007		9.10	9.08	0.02	90.93	-	-	-	-	-	-	
	3/13/2008		8.46	-	-	91.54	**220**	**79.8**	**830**	**414**	1,543.8	**14.9**	
	6/6/2008		8.61	-	-	91.39	**271**	**89.1**	**817**	**481**	1,658.1	**17.3**	
	12/30/2008		8.24	-	-	91.76	**216**	**67.8**	**539**	**336**	1,158.8	**13.2**	
	3/16/2009		9.41	-	-	90.59	**215**	**78.8**	**761**	**474**	1,528.8	9	
	6/8/2009		8.23	-	-	91.77	**24**	**88.4**	**551**	**692**	1,355.4	ND < 5	
	7/20/2009		8.48	8.20	0.28	91.94	-	-	-	-	-	-	
	9/24/2009		9.12	8.98	0.14	91.09	-	-	-	-	-	-	
	12/3/2009		8.96	8.86	0.10	91.19	-	-	-	-	-	-	
	3/3/2010		7.98	-	-	92.02	**109**	**75.2**	**948**	**293**	1,425.2	3.6	
	6/7/2010		8.31	8.27	0.04	91.75	-	-	-	-	-	-	
	9/1/2010		9.36	-	-	90.64	**89.3**	**86.5**	**1,010**	**405**	1,590.8	ND < 20	
	12/3/2010		9.13	9.10	0.03	90.91	-	-	-	-	-	-	
	3/29/2011		8.01	7.84	0.17	92.25	-	-	-	-	-	-	
	6/16/2011		5.53	5.13	0.40	95.07	-	-	-	-	-	-	
	8/8/2011		9.06	8.88	0.18	91.21	-	-	-	-	-	-	
	9/19/2011		7.75	7.37	0.38	92.82	-	-	-	-	-	-	
	12/5/2011		8.24	8.12	0.12	91.94	-	-	-	-	-	-	
	3/16/2012		9.32	9.29	0.03	90.73	-	-	-	-	-	-	
	6/8/2012		8.44	-	-	91.56	**33.0**	**29.2**	**199**	**147**	408.2	ND < 1.00	
	9/7/2012		8.81	-	-	91.19	**33.5**	**20.5**	**270**	**119**	443	ND < 1.00	
	12/18/2012		8.93	-	-	91.07	**33.5**	**25.4**	**363**	**203**	624.9	ND < 1.00	
	3/14/2013		8.71	-	-	91.29	**42.8**	**38.0**	**378**	**227**	685.8	ND < 1.00	
	6/24/2013		7.59	-	-	92.41	**37.5**	**36.0**	**464**	**224**	761.5	ND < 1.00	
	9/6/2013		8.93	8.85	0.08	91.19	-	-	-	-	-	-	
	9/26/2013		9.14	8.98	0.16	91.10	-	-	-	-	-	-	
	10/23/2013		9.41	9.37	0.04	90.65	-	-	-	-	-	-	
	11/11/2013		9.74	-	-	90.26	-	-	-	-	-	-	
	12/10/2013		9.88	-	-	90.12	**16.7**	**28.7**	**315**	**211**	571.4	ND < 1.00	COULD NOT GAUGE
	1/21/2014		9.09	9.05	0.04	90.97	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**25.1**	**25.1**	**286**	**208**	544.2	1.43	COULD NOT GAUGE
	6/3/2014		8.10	-	-	91.90	**20.0**	ND < 20.0	**371**	**200**	591	ND < 20.0	
	10/2/2014		9.59	9.47	0.12	90.59	**33.6**	**42.7**	**484**	**321**	881.3	ND < 1.00	
	12/3/2014		8.73	-	-	91.27	**42.9**	**39.6**	**472**	**336**	890.5	ND < 5.00	SHEEN
	3/11/2015		8.41	-	-	91.59	**17.1**	**11.7**	**93.1**	**135**	256.9	ND < 1.00	
	6/18/2015		8.65	8.58	0.07	91.46	-	-	-	-	-	-	
	9/9/2015		7.98	7.90	0.08	92.14	**38.5**	**21.8**	**277**	**167**	504.3	ND < 1.00	
	12/10/2015		9.57	9.33	0.24	90.79	-	-	-	-	-	-	
	3/16/2016		8.63	8.37	0.26	91.76	-	-	-	-	-	-	
	6/15/2016		8.95	8.77	0.18	91.32	-	-	-	-	-	-	
	9/19/2016		9.50	9.35	0.15	90.73	-	-	-	-	-	-	
	12/8/2016		8.90	8.70	0.20	91.40	-	-	-	-	-	-	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		8.15	7.82	0.33	92.35	-	-	-	-	-	-	
	9/7/2017		8.36	-	-	91.64	**42.4**	**19.2**	**287**	**193**	541.6	ND < 1.0	
MW-2	2/28/2005	100.16	8.78	8.77	0.01	91.40	-	-	-	-	-	-	
	6/6/2005		8.66	8.65	0.01	91.52	-	-	-	-	-	-	
	9/8/2005		9.87	9.62	0.25	90.67	-	-	-	-	-	-	
	12/29/2005		8.26	8.25	0.01	91.91	-	-	-	-	-	-	
	3/20/2006		8.96	8.88	0.08	91.32	-	-	-	-	-	-	
	6/7/2006		7.73	-	-	92.43	-	-	-	-	-	-	
	9/14/2006		7.90	7.58	0.32	92.74	-	-	-	-	-	-	
	12/7/2006		8.20	7.80	0.40	92.56	-	-	-	-	-	-	
	3/29/2007		8.81	8.72	0.09	91.49	-	-	-	-	-	-	
	6/13/2007		8.15	7.72	0.43	92.66	-	-	-	-	-	-	
	9/19/2007		9.18	8.68	0.50	91.73	-	-	-	-	-	-	
	12/11/2007		9.35	9.28	0.07	90.91	-	-	-	-	-	-	
	3/13/2008		8.77	-	-	91.39	**204**	**18**	**130**	**109**	461	ND < 2	
	6/6/2008		9.10	-	-	91.06	**378**	**25**	**137**	**93.3**	633.3	**71**	
	12/30/2008		8.56	-	-	91.60	**305**	**27**	**50**	**84.4**	466.4	**37**	
	3/16/2009		9.71	-	-	90.45	**246**	**18**	**23**	**53.4**	340.4	**67**	
	6/8/2009		8.61	8.53	0.08	91.67	-	-	-	-	-	-	
	7/20/2009		9.47	8.35	1.12	92.37	-	-	-	-	-	-	
	9/24/2009		9.06	9.01	0.05	91.18	-	-	-	-	-	-	
	12/3/2009		9.75	9.05	0.70	91.46	-	-	-	-	-	-	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-2 (cont)	3/3/2010	100.16	8.30	8.27	0.03	91.91	-	-	-	-	-	-	
	6/7/2010		9.07	8.36	0.71	92.16	-	-	-	-	-	-	
	9/1/2010		9.94	-	-	90.22	**530**	**22**	**202**	**105**	859	**155**	
	12/3/2010		9.37	-	-	90.79	**500**	**52.4**	**336**	**232**	1,120.4	**120**	
	3/29/2011		8.74	8.08	0.66	92.41	-	-	-	-	-	-	
	6/16/2011		9.80	8.30	1.50	92.61	-	-	-	-	-	-	
	8/8/2011		9.43	9.06	0.37	91.29	-	-	-	-	-	-	
	9/19/2011		7.81	7.50	0.31	92.82	-	-	-	-	-	-	
	12/5/2011		9.10	8.42	0.68	92.08	-	-	-	-	-	-	
	3/16/2012		10.10	9.58	0.52	90.84	-	-	-	-	-	-	
	6/8/2012		8.75	8.72	0.03	91.46	-	-	-	-	-	-	
	9/7/2012		8.95	8.91	0.04	91.27	-	-	-	-	-	-	
	12/18/2012		10.02	9.89	0.13	90.34	-	-	-	-	-	-	
	3/14/2013		9.65	9.60	0.05	90.59	-	-	-	-	-	-	
	6/24/2013		8.30	7.95	0.35	92.39	-	-	-	-	-	-	
	9/6/2013		9.07	9.02	0.05	91.16	-	-	-	-	-	-	
	10/7/2013		9.34	-	-	90.82	-	-	-	-	-	-	
	10/23/2013		9.70	9.67	0.03	90.51	-	-	-	-	-	-	
	11/11/2013		10.05	-	-	90.11	-	-	-	-	-	-	
	12/10/2013		10.08	-	-	90.08	**258**	**18.5**	**204**	**109**	589.5	**39.1**	COULD NOT GAUGE
	1/21/2014		9.33	-	-	90.83	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	-	-	-	-	-	-	COULD NOT GAUGE
	6/3/2014		8.34	8.28	0.06	91.91	-	-	-	-	-	-	
	10/2/2014		9.76	9.64	0.12	90.58	**487**	**23.7**	**201**	**162**	873.7	2.63	
	12/3/2014		8.96	-	-	91.20	**754**	**34.5**	**353**	**177**	1,318.5	ND < 5.00	
	3/11/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/18/2015		9.12	8.86	0.26	91.43	-	-	-	-	-	-	
	9/9/2015		9.67	9.12	0.55	91.32	**373**	**15.3**	**249**	**394**	1,031.3	1.51	
	12/10/2015		9.95	9.55	0.40	90.81	-	-	-	-	-	-	
	3/16/2016		9.11	8.67	0.44	91.71	-	-	-	-	-	-	
	6/15/2016		9.35	9.00	0.35	91.34	-	-	-	-	-	-	
	9/19/2016		10.12	9.67	0.45	90.72	-	-	-	-	-	-	
	12/8/2016		9.12	9.00	0.12	91.22	-	-	-	-	-	-	
	3/16/2017		9.55	9.20	0.35	91.14	**493**	**32.7**	**213**	**227**	965.7	1.17	
	6/26/2017		8.67	8.05	0.62	92.42	-	-	-	-	-	-	
	9/7/2017		9.07	8.51	0.56	91.93	-	-	-	-	-	-	
MW-3	2/28/2005	100.43	9.32	-	-	91.11	**120**	**38.5**	**167**	**151**	476.5	**13.1**	
	6/6/2005		9.21	-	-	91.22	**37.6**	**22.5**	**135**	**113**	308.1	3.5	
	9/8/2005		9.67	-	-	90.76	**86**	**23.5**	**47.9**	**139**	296.4	7.8	
	12/29/2005		8.50	-	-	91.93	**11.3**	0.88	**28.9**	**15.3**	56.38	0.88	
	3/20/2006		9.98	-	-	90.45	**218**	**12.1**	**94.6**	**61.9**	386.6	**24.7**	
	6/7/2006		7.51	-	-	92.92	**9.9**	2.6	**27.2**	**12.1**	51.8	ND < 1	
	9/14/2006		7.57	-	-	92.86	**17.8**	ND < 1	**20.8**	3.9	42.5	ND < 1	
	12/7/2006		7.90	-	-	92.53	**10.4**	ND < 1	**15.7**	2	28.1	0.51	
	3/29/2007		8.69	-	-	91.74	0.94	ND < 1	**5.1**	1	7.04	ND < 1	
	6/13/2007		7.95	-	-	92.48	**3.6**	ND < 1	**6.8**	0.52	10.92	ND < 1	
	9/19/2007		9.45	-	-	90.98	**61.8**	1.70	**63.2**	**7.8**	134.5	9.5	
	12/11/2007		9.75	-	-	90.68	**71.3**	**12.8**	**101**	**24.8**	209.9	7.4	
	3/13/2008		8.56	-	-	91.87	**10.8**	ND < 1	3	0.72	14.52	ND < 1	
	6/6/2008		9.46	-	-	90.97	**76.1**	**9.5**	**46.5**	**17.9**	150	**15**	
	12/30/2008		8.49	-	-	91.94	**5.8**	0.44	0.28	ND < 1	6.52	0.53	
	3/16/2009		10.02	-	-	90.41	**113**	**13.5**	**6**	**20.8**	153.3	**20.2**	
	6/8/2009		8.33	-	-	92.10	**1.7**	ND < 1	1.4	ND < 1	3.1	ND < 1	
	7/20/2009		9.39	-	-	91.04	**92**	4	**10.6**	**13.4**	120	**13.2**	
	9/24/2009		9.57	-	-	90.86	**153**	**12.1**	**79.5**	**97.3**	341.9	ND < 1	
	12/3/2009		9.60	-	-	90.83	**92.7**	**8.4**	**90.4**	**79.1**	270.6	3.1	
	3/3/2010		8.18	-	-	92.25	0.27	ND < 1	1.7	1.6	3.57	ND < 1	
	6/7/2010		9.18	-	-	91.25	**3**	0.50	**6.8**	3.2	13.5	1.2	
	9/1/2010		10.66	-	-	89.77	**49.3**	**28.8**	**164**	**170**	412.1	**25.8**	
	12/3/2010		9.58	-	-	90.85	**3.9**	2.7	**30.9**	**26.5**	64	ND < 1	
	3/29/2011		8.25	-	-	92.18	ND < 1	ND < 1	0.36	0.33	0.69	ND < 1	
	6/16/2011		8.90	-	-	91.53	**2.8**	2.1	**49.5**	**31.2**	85.6	ND < 5	
	8/8/2011		9.51	-	-	90.92	**23.1**	**17.4**	**157**	**114**	311.5	ND < 1	
	3/16/2012		9.97	-	-	90.46	**25**	**43**	**867**	**386**	1,321	ND < 1	
	6/8/2012		9.27	-	-	91.16	**14.9**	**27.0**	**389**	**208**	638.9	ND < 1.00	
	9/7/2012		9.41	-	-	91.02	**3.67**	**7.33**	**110**	**83.2**	204.2	ND < 1.00	
	12/18/2012		9.51	-	-	90.92	**19.2**	**31.6**	**378**	**278**	706.8	ND < 1.00	
	3/14/2013		9.47	-	-	90.96	**15.7**	**36.7**	**319**	**277**	648.4	1.42	
	6/24/2013		8.07	-	-	92.36	ND < 1.00	3.05	**63.9**	**68.2**	135.15	ND < 1.00	
	9/4/2013		9.72	-	-	90.71	**7.74**	**14.1**	**127**	**113**	261.84	6.86	
	9/6/2013		9.76	-	-	90.67	**7.74**	**14.1**	**127**	**113**	261.84	6.86	
	11/11/2013		10.85	-	-	89.58	-	-	-	-	-	-	
	12/10/2013		10.55	-	-	89.88	**4.18**	**18.5**	**222**	**211**	455.68	ND < 1.00	COULD NOT GAUGE
	1/21/2014		9.78	-	-	90.65	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**1.60**	**5.32**	**75.7**	**118**	200.62	1.26	COULD NOT GAUGE
	6/3/2014		8.56	-	-	91.87	ND < 1.00	1.26	**28.3**	**43.2**	72.76	ND < 1.00	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-3	10/2/2014	100.43	10.29	-	-	90.14	**3.21**	4.44	**12.2**	**118**	137.85	ND < 1.00	
(cont)	12/3/2014		9.50	-	-	90.93	**1.08**	2.15	**20.8**	**61.7**	85.73	ND < 1.00	
	3/11/2015		8.19	-	-	92.24	ND < 1.00	ND < 1.00	1.63	2.95	4.58	ND < 1.00	
	6/18/2015		9.52	-	-	90.91	ND < 1.00	1.12	**5.18**	**26.4**	32.7	ND < 1.00	
	9/9/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	12/10/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	3/16/2016		9.19	-	-	91.24	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/19/2016		8.45	-	-	91.98	ND < 1.00*	ND < 1.00*	**8.66**	**11.6**	20.26	ND < 1.00	
	12/8/2016		9.26	-	-	91.17	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	CNL
	6/26/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	9/7/2017		8.26	-	-	92.17	ND < 0.50	ND < 1.0	1.7	0.67	2.37	ND < 1.0	
MW-4	2/28/2005	100.05	9.02	-	-	91.03	**50**	2.6	**11**	**25**	88.6	ND < 1	
	6/6/2005		9.18	-	-	90.87	**4.6**	ND < 1	0.49	ND < 1	5.09	ND < 1	
	12/29/2005		8.54	-	-	91.51	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/20/2006		9.16	-	-	90.89	**9.1**	ND < 1	0.62	0.59	10.31	ND < 1	
	6/7/2006		8.00	-	-	92.05	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	9/14/2006	NSD	-	-	-	-	-	-	-	-	-	-	WELL DESTROYED
MW-5	2/28/2005	101.15	8.47	-	-	92.68	0.86	ND < 1	1.6	**8.1**	10.56	3.1	
	6/6/2005		8.73	-	-	92.42	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	9/8/2005		-	-	-	-	ND < 1	ND < 1	4.7	**7.3**	12	ND < 1	NM
	12/29/2005		7.95	-	-	93.20	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/20/2006		8.63	-	-	92.52	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/7/2006		8.12	-	-	93.03	ND < 1	ND < 1	ND < 1	0.65	0.65	ND < 1	
	12/7/2006		7.97	-	-	93.18	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/29/2007		8.10	-	-	93.05	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/13/2007		7.68	-	-	93.47	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	9/19/2007		8.96	-	-	92.19	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/11/2007		9.20	-	-	91.95	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/13/2008		8.56	-	-	92.59	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/6/2008		8.85	-	-	92.30	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/30/2008		8.09	-	-	93.06	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/16/2009		9.41	-	-	91.74	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/8/2009		8.40	-	-	92.75	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	7/20/2009		8.63	-	-	92.52	-	-	-	-	-	-	
	9/24/2009		9.29	-	-	91.86	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/3/2009		9.00	-	-	92.15	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/3/2010		7.74	-	-	93.41	ND < 1	ND < 1	ND < 1	0.35	0.35	ND < 1	
	6/7/2010		8.73	-	-	92.42	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	9/1/2010		9.61	-	-	91.54	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/3/2010		9.40	-	-	91.75	ND < 1	ND < 1	ND < 1	ND < 1	ND	0.35	
	3/29/2011		7.91	-	-	93.24	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/16/2011		8.60	-	-	92.55	ND < 1	ND < 1	ND < 1	0.25	0.25	ND < 1	
	8/8/2011		9.17	-	-	91.98	ND < 1	ND < 1	ND < 1	ND < 1	ND	1.3	
	9/19/2011		7.64	-	-	93.51	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/5/2011		8.40	-	-	92.75	ND < 0.22	ND < 0.15	ND < 0.21	ND < 0.17	ND	ND < 0.18	
	3/16/2012		9.37	-	-	91.78	ND < 1	ND < 1	ND < 1	ND < 3	ND	ND < 1	
	6/8/2012		8.60	-	-	92.55	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/7/2012		9.19	-	-	91.96	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	12/18/2012		9.01	-	-	92.14	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/14/2013		8.42	-	-	92.73	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	6/24/2013		8.16	-	-	92.99	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/4/2013		9.21	-	-	91.94	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	9/6/2013		9.22	-	-	91.93	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	12/10/2013		9.68	-	-	91.47	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	COULD NOT GAUGE
	6/3/2014		8.52	-	-	92.63	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	10/2/2014		10.11	-	-	91.04	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	12/3/2014		9.20	-	-	91.95	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	3/11/2015		8.65	-	-	92.50	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	6/18/2015		8.60	-	-	92.55	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/9/2015		8.98	-	-	92.17	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	12/10/2015		9.74	-	-	91.41	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/16/2016		8.44	-	-	92.71	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	6/15/2016		8.93	-	-	92.22	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/19/2016		10.31	-	-	90.84	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	12/8/2016		9.06	-	-	92.09	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		8.30	-	-	92.85	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND	ND < 1.0	
	9/7/2017		9.12	-	-	92.03	ND < 0.50	ND < 1.0	ND < 1.0	ND < 1.0	ND	ND < 1.0	
MW-6A	2/28/2005	101.17	8.29	-	-	92.88	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/6/2005	NSD	-	-	-	-	-	-	-	-	-	-	WELL DESTROYED

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-7A	2/28/2005	101.24	9.67	-	-	91.57	**151**	3.8	3	**8.8**	166.6	2.5	
	6/6/2005		9.59	-	-	91.65	**13**	ND < 1	ND < 1	ND < 1	13	ND < 1	
	12/29/2005	101.24	9.27	-	-	91.97	**105**	1	**5.2**	4	115.2	3.2	
	3/20/2006		9.57	-	-	91.67	**9.4**	ND < 1	ND < 1	0.46	9.86	0.51	
	6/7/2006		8.72	-	-	92.52	**328**	**9.2**	**20**	**49**	406.2	1.8	
	9/14/2006		8.52	-	-	92.72	**4.7**	ND < 1	0.35	ND < 1	5.05	ND < 1	
	12/7/2006		8.75	-	-	92.49	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/29/2007		9.48	-	-	91.76	**291**	**6**	**8.2**	**17**	322.2	ND < 1	
	6/13/2007		8.56	-	-	92.68	**448**	**18**	**28**	**53**	547	2.4	
	9/19/2007		9.55	-	-	91.69	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/11/2007		10.27	-	-	90.97	ND < 1	ND < 1	ND < 1	ND < 1	ND	2.3	
	3/13/2008		9.56	-	-	91.68	**202**	3.7	**8.4**	**10**	224.1	ND < 2.0	
	6/6/2008		9.74	-	-	91.50	**4.5**	ND < 1	ND < 1	ND < 1	4.5	0.31	
	12/30/2008		9.53	-	-	91.71	**335**	4.6	3.4	**21**	364	1.9	
	3/16/2009		10.58	-	-	90.66	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	6/8/2009		9.52	-	-	91.72	**30**	ND < 1	ND < 1	ND < 1	30	ND < 1	
	7/20/2009		8.98	-	-	92.26	1	ND < 1	ND < 1	ND < 1	1	0.48	
	9/24/2009		10.07	-	-	91.17	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/3/2009		10.11	-	-	91.13	ND < 1	ND < 1	ND < 1	ND < 1	ND	0.52	
	3/3/2010		9.41	-	-	91.83	**145**	2.9	**5.5**	**5.6**	159	1.2	
	6/7/2010		9.36	-	-	91.88	0.36	ND < 1	ND < 1	ND < 1	0.36	ND < 1	
	9/1/2010		10.50	-	-	90.74	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	12/3/2010		10.31	-	-	90.93	ND < 1	ND < 1	ND < 1	ND < 1	ND	ND < 1	
	3/29/2011		8.87	-	-	92.37	**1.7**	ND < 1	ND < 1	ND < 1	1.7	ND < 1	
	6/16/2011		9.55	9.30	0.25	92.06	-	-	-	-	-	-	
	8/8/2011		9.99	9.98	0.01	91.26	-	-	-	-	-	-	
	9/19/2011		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	3/16/2012		10.48	-	-	90.76	**107**	1.31	3.55	ND < 3	111.86	1.09	
	6/8/2012		9.76	-	-	91.48	**143**	4.03	**25.3**	**7.23**	179.56	1.12	
	9/7/2012		10.02	-	-	91.22	**14.4**	ND < 1.00	ND < 1.00	ND < 3.00	14.4	ND < 1.00	
	12/18/2012		10.13	-	-	91.11	**12.9**	ND < 1.00	ND < 1.00	ND < 3.00	12.9	ND < 1.00	
	3/14/2013		9.85	-	-	91.39	**88.8**	1.84	**12.4**	**8.73**	111.77	ND < 1.00	
	6/24/2013		8.76	-	-	92.48	**45.8**	ND < 1.00	3.81	ND < 3.00	49.61	ND < 1.00	
	9/4/2013		9.96	9.91	0.05	91.35	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	9/6/2013		10.05	9.99	0.06	91.28	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	ND < 1.00	
	12/10/2013		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**9.00**	ND < 1.00	ND < 1.00	ND < 3.00	9	ND < 1.00	COULD NOT GAUGE
	6/3/2014		9.21	-	-	92.03	**2.07**	ND < 1.00	ND < 1.00	ND < 2.00	2.07	ND < 1.00	
	10/2/2014		10.60	-	-	90.64	**3.16**	ND < 1.00	ND < 1.00	ND < 2.00	3.16	ND < 1.00	
	12/3/2014		9.77	-	-	91.47	**6.83**	ND < 1.00	ND < 1.00	ND < 2.00	6.83	ND < 1.00	
	3/11/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/18/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	9/9/2015		10.14	-	-	91.10	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	12/10/2015		10.48	-	-	90.76	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/16/2016		9.48	-	-	91.76	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	6/15/2016		9.98	-	-	91.26	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	9/19/2016		10.02	-	-	91.22	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	12/8/2016		9.83	-	-	91.41	**6.27**	ND < 1.00	ND < 1.00	ND < 3.00	6.27	ND < 1.00	
	3/16/2017		10.01	-	-	91.23	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	6/26/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	9/7/2017		-	-	`	-	-	-	-	-	-	-	INACCESSIBLE
MW-8A	2/28/2005	100.59	10.02	-	-	90.57	**1,430**	**369**	**1,020**	**3,180**	5,999	**4,720**	
	6/6/2005		9.48	-	-	91.11	**1,660**	**391**	**1,150**	**3,960**	7,161	**3,980**	
	9/8/2005		10.02	-	-	90.57	**2,030**	**447**	**1,200**	**3,880**	7,557	**3,640**	
	12/29/2005		9.18	-	-	91.41	**434**	**49.3**	**216**	**675**	1,374.3	**250**	
	3/20/2006		9.87	-	-	90.72	**2,060**	**467**	**1,220**	**4,040**	7,787	**4,730**	
	9/14/2006		8.74	-	-	91.85	**2,170**	**510**	**1,380**	**4,320**	8,380	**2,370**	
	12/7/2006		8.62	-	-	91.97	**1,660**	**430**	**1,350**	**4,570**	8,010	**1,980**	
	3/29/2007		9.52	-	-	91.07	**1,420**	**341**	**908**	**2,370**	5,039	**2,960**	
	6/13/2007		8.55	-	-	92.04	**444**	**155**	**694**	**1,770**	3,063	**380**	
	9/19/2007		9.36	-	-	91.23	**1,090**	**267**	**915**	**2,570**	4,842	**1,160**	
	12/11/2007		10.13	-	-	90.46	**1,530**	**305**	**1,090**	**3,420**	6,345	**1,570**	
	3/13/2008		9.69	-	-	90.90	**1,580**	**315**	**1,140**	**3,430**	6,465	**1,850**	
	6/6/2008		9.35	-	-	91.24	**1,230**	**280**	**1,070**	**2,610**	5,190	**806**	
	12/30/2008		9.17	-	-	91.42	**82.5**	**21.3**	**131**	**237**	471.8	**22.6**	
	6/8/2009		9.18	-	-	91.41	**292**	**64.9**	**348**	**616**	1,320.9	**129**	
	7/20/2009		9.10	-	-	91.49	**292**	**72.8**	**324**	**525**	1,213.8	**149**	
	9/24/2009		10.79	-	-	89.80	**984**	**223**	**909**	**2,320**	4,436	**542**	
	12/3/2009		9.75	-	-	90.84	**1,030**	**235**	**1,060**	**2,240**	4,565	**452**	
	3/3/2010		9.25	-	-	91.34	**691**	**177**	**762**	**2,070**	3,700	**185**	
	6/7/2010		9.17	-	-	91.42	**1,020**	**213**	**869**	**2,060**	4,162	**766**	
	9/1/2010		10.18	-	-	90.41	**1,520**	**291**	**1,070**	**3,030**	5,911	**939**	
	12/3/2010		10.00	-	-	90.59	**942**	**253**	**745**	**1,900**	3,840	**555**	
	3/29/2011		9.46	-	-	91.13	**1,070**	**227**	**831**	**1,860**	3,988	**418**	
	9/19/2011		8.26	-	-	92.33	**779**	**157**	**533**	**1,060**	2,529	**298**	
	12/5/2011		9.20	-	-	91.39	**1,540**	**222**	**682**	**1,530**	3,974	**637**	
	3/16/2012		10.07	-	-	90.52	**2,220**	**386**	**1,410**	**5,250**	9,266	**1,100**	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-8A	6/8/2012	100.59	9.84	-	-	90.75	**808**	**111**	**434**	**1,200**	2,553	**983**	
(cont)	9/7/2012		10.00	-	-	90.59	**985**	**154**	**341**	**953**	2,433	**376**	
	12/18/2012		10.78	-	-	89.81	**1,300**	**231**	**496**	**2,200**	4,227	**336**	
	3/14/2013		11.08	-	-	89.51	**1,160**	**188**	**551**	**2,360**	4,259	**330**	
	6/24/2013		9.31	-	-	91.28	**991**	**155**	**482**	**1,930**	3,558	**157**	
	9/6/2013		10.82	-	-	89.77	**1,670**	**306**	**1,250**	**3,790**	7,016	**337**	
	12/10/2013		11.44	-	-	89.15	**1,370**	**226**	**742**	**3,210**	5,548	**333**	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**1,860**	**299**	**989**	**3,320**	6,468	**390**	COULD NOT GAUGE
	6/3/2014		10.68	-	-	89.91	**1,400**	**251**	**361**	**909**	2,921	**278**	
	10/2/2014		11.05	-	-	89.54	**1,500**	**286**	**1,120**	**3,720**	6,626	**367**	
	12/3/2014		10.01	-	-	90.58	**2,200**	**303**	**1,700**	**4,730**	8,933	**347**	
	3/11/2015		10.30	-	-	90.29	**1,480**	**326**	**1,670**	**6,450**	9,926	**429**	
	6/18/2015		9.81	-	-	90.78	**1,900**	**303**	**1,690**	**5,850**	9,743	**323**	
	9/9/2015		10.00	-	-	90.59	**1,640**	**282**	**1,150**	**3,530**	6,602	**194**	
	12/10/2015		10.33	-	-	90.26	**1,400**	**225**	**1,300**	**3,890**	6,815	**104**	
	3/16/2016		10.02	-	-	90.57	**341**	**198**	**1,400**	**3,890**	5,829	**140**	
	6/15/2016		9.86	-	-	90.73	**1,620**	**325**	**1,560**	**4,950**	8,455	**130**	
	9/19/2016		10.39	-	-	90.20	**1,490**	**281**	**1,490**	**4,830**	8,091	**109**	
	12/8/2016		9.92	-	-	90.67	**1,420**	**280**	**1,400**	**4,560**	7,660	**121**	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		9.05	-	-	91.54	**1,490**	**339**	**1,740**	**4,560**	8,129	**38.8**	
	9/7/2017		9.47	-	-	91.12	**1,420**	**359**	**1,840**	**5,310**	8,929	ND < 25	
MW-9	2/28/2005	100.10	9.45	-	-	90.65	ND < 1	ND < 1	ND < 1	ND < 1	ND	1.8	
	6/6/2005		9.38	-	-	90.72	ND < 1	ND < 1	ND < 1	ND < 1	ND	1.1	
	9/8/2005		10.01	-	-	90.09	ND < 1	ND < 1	0.73	2	2.73	7.3	
	12/29/2005		8.88	-	-	91.22	ND < 1	ND < 1	ND < 1	ND < 1	ND	**16.7**	
	3/20/2006		9.65	-	-	90.45	ND < 1	ND < 1	ND < 1	ND < 1	ND	9.8	
	9/14/2006		8.93	-	-	91.17	0.93	ND < 1	0.43	1.1	2.46	**20.8**	
	12/7/2006		8.72	-	-	91.38	0.88	0.72	ND < 1	3.6	5.2	**45**	
	3/29/2007		9.09	-	-	91.01	ND < 1	ND < 1	ND < 1	ND < 1	ND	**46.8**	
	6/13/2007		8.64	-	-	91.46	**4.9**	1.7	ND < 1	**6.4**	13	**60**	
	9/19/2007		9.39	-	-	90.71	0.35	ND < 1	ND < 1	0.97	1.32	**19.2**	
	12/11/2007		9.80	-	-	90.30	ND < 1	ND < 1	ND < 1	ND < 1	ND	**15.7**	
	3/13/2008		8.98	-	-	91.12	ND < 1	ND < 1	ND < 1	ND < 1	ND	6.5	
	6/6/2008		9.19	-	-	90.91	ND < 1	ND < 1	ND < 1	ND < 1	ND	6.2	
	12/30/2008		8.75	-	-	91.35	ND < 1	ND < 1	ND < 1	ND < 1	ND	2.6	
	7/20/2009		9.10	-	-	91.00	-	-	-	-	-	-	
	9/24/2009		9.71	-	-	90.39	ND < 1	ND < 1	ND < 1	ND < 1	ND	2.6	
	12/3/2009		9.62	-	-	90.48	ND < 1	ND < 1	ND < 1	ND < 1	ND	4.6	
	3/3/2010		8.47	-	-	91.63	ND < 1	ND < 1	ND < 1	ND < 1	ND	0.32	
	6/7/2010		9.24	-	-	90.86	ND < 1	ND < 1	ND < 1	ND < 1	ND	2.9	
	9/1/2010		10.11	-	-	89.99	ND < 1	ND < 1	ND < 1	ND < 1	ND	6.7	
	12/3/2010		9.90	-	-	90.20	ND < 1	ND < 1	ND < 1	ND < 1	ND	6.7	
	3/29/2011		9.04	-	-	91.06	ND < 1	ND < 1	ND < 1	ND < 1	ND	1.5	
	12/5/2011		9.20	-	-	90.90	ND < 0.22	ND < 0.15	ND < 0.21	ND < 0.17	ND	**10.1**	
	3/16/2012		10.33	-	-	89.77	ND < 1	ND < 1	ND < 1	ND < 3	ND	9.21	
	6/8/2012		9.44	-	-	90.66	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**12.6**	
	9/7/2012		9.79	-	-	90.31	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**11.0**	
	12/18/2012		-	-	-	-	-	-	-	-	-	-	CNL
	3/14/2013		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/24/2013		-	-	-	-	-	-	-	-	-	-	CNL
	9/6/2013		-	-	-	-	-	-	-	-	-	-	CNL
	12/10/2013		-	-	-	-	-	-	-	-	-	-	CNL
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	-	-	-	-	-	-	COULD NOT GAUGE
	6/3/2014		-	-	-	-	-	-	-	-	-	-	CNL
	10/2/2014		-	-	-	-	-	-	-	-	-	-	CNL
	12/3/2014		-	-	-	-	-	-	-	-	-	-	CNL
	3/11/2015		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/18/2015		-	-	-	-	-	-	-	-	-	-	CNL
	9/9/2015		-	-	-	-	-	-	-	-	-	-	CNL
	12/10/2015		-	-	-	-	-	-	-	-	-	-	CNL
	3/16/2016		-	-	-	-	-	-	-	-	-	-	CNL
	6/26/2017	NSD	-	-	-	-	-	-	-	-	-	-	CNL
	9/7/2017		-	-	-	-	-	-	-	-	-	-	CNL
MW-10	2/28/2005	100.50	9.94	-	-	90.56	**5,040**	**763**	**1,520**	**7,160**	14,483	**10,300**	
	6/6/2005		9.03	-	-	91.47	**823**	**97.6**	**298**	**1,390**	2,608.6	**1,560**	
	9/8/2005		9.90	-	-	90.60	**2,780**	**331**	**1,000**	**3,840**	7,951	**5,030**	
	12/29/2005		8.90	-	-	91.60	**754**	**192**	**942**	**1,900**	3,788	**833**	
	3/20/2006		9.54	-	-	90.96	**6,220**	**803**	**1,640**	**6,970**	15,633	**10,500**	
	6/7/2006		9.01	-	-	91.49	**4,580**	**459**	**1,150**	**4,290**	10,479	**6,210**	
	9/14/2006		8.58	-	-	91.92	**4,900**	**625**	**1,520**	**5,930**	12,975	**6,740**	
	12/7/2006		8.52	-	-	91.98	**3,070**	**504**	**2,030**	**7,360**	12,964	**1,410**	
	3/29/2007		9.40	-	-	91.10	**7,050**	**1,180**	**3,550**	**11,900**	23,680	**6,820**	
	6/13/2007		8.42	-	-	92.08	**1,450**	**231**	**909**	**2,980**	5,570	**466**	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-10	9/19/2007	100.50	9.22	-	-	91.28	**3,380**	**445**	**1,400**	**4,500**	9,725	**1,310**	
(cont)	12/11/2007		11.03	-	-	89.47	**3,030**	**411**	**1,360**	**4,010**	8,811	**1,750**	
	3/13/2008		9.56	-	-	90.94	**4,270**	**530**	**1,520**	**5,160**	11,480	**2,470**	
	6/6/2008		9.25	-	-	91.25	**3,080**	**414**	**1,510**	**4,450**	9,454	**1,260**	
	12/30/2008		9.05	-	-	91.45	**903**	**115**	**649**	**1,500**	3,167	**213**	
	6/8/2009		8.97	-	-	91.53	**1,110**	**143**	**658**	**1,440**	3,351	**166**	
	7/20/2009		8.98	-	-	91.52	**1,050**	**157**	**593**	**1,250**	3,050	**97.1**	
	9/24/2009		9.59	-	-	90.91	**2,390**	**374**	**1,490**	**3,210**	7,464	**315**	
	12/3/2009		9.55	-	-	90.95	**3,380**	**673**	**3,900**	**3,990**	11,943	**698**	
	3/3/2010		9.25	-	-	91.25	**3,450**	**440**	**1,400**	**3,440**	8,730	**1,810**	
	6/7/2010		9.02	-	-	91.48	**3,210**	**403**	**1,260**	**2,760**	7,633	**1,380**	
	9/1/2010		10.00	-	-	90.50	**4,870**	**485**	**1,830**	**4,040**	11,225	**1,580**	
	12/3/2010		9.80	-	-	90.70	**3,950**	**496**	**1,510**	**3,180**	9,136	ND < 10	
	3/29/2011		9.35	-	-	91.15	**5,450**	**594**	**1,550**	**3,700**	11,294	**1,640**	
	6/16/2011		8.80	-	-	91.70	**5,410**	**555**	**1,450**	**3,580**	10,995	**1,160**	
	8/8/2011		9.72	-	-	90.78	**6,180**	**645**	**1,450**	**3,460**	11,735	**1,030**	
	9/19/2011		8.19	-	-	92.31	**1,810**	**162**	**497**	**957**	3,426	**191**	
	12/5/2011		9.00	-	-	91.50	**3,790**	**443**	**1,910**	**3,860**	10,003	**610**	
	3/16/2012		10.51	-	-	89.99	**5,350**	**744**	**2,220**	**5,690**	14,004	**1,210**	
	6/8/2012		9.47	-	-	91.03	**3,780**	**343**	**859**	**1,720**	6,702	**860**	
	9/7/2012		10.04	-	-	90.46	**3,930**	**334**	**738**	**2,290**	7,292	**777**	
	12/18/2012		10.83	-	-	89.67	**5,460**	**623**	**1,170**	**3,340**	10,593	**708**	
	3/14/2013		10.99	-	-	89.51	**5,030**	**469**	**1,280**	**3,010**	9,789	**712**	
	6/24/2013		8.51	-	-	91.99	**2,680**	**330**	**927**	**2,900**	6,837	**137**	
	9/6/2013		10.66	-	-	89.84	**5,290**	**524**	**1,360**	**3,150**	10,324	**383**	
	12/10/2013		11.36	-	-	89.14	**6,080**	**560**	**1,410**	**4,520**	12,570	**464**	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**6,990**	**680**	**1,770**	**5,550**	14,990	**657**	COULD NOT GAUGE
	6/3/2014		9.71	-	-	90.79	**3,400**	**455**	**1,250**	**3,700**	8,805	**476**	
	10/2/2014		10.90	-	-	89.60	**5,540**	**636**	**2,200**	**5,670**	14,046	**601**	SHEEN
	12/3/2014		9.91	-	-	90.59	**5,250**	**664**	**2,050**	**5,380**	13,344	**612**	
	3/11/2015		10.24	-	-	90.26	**5,880**	**766**	**2,300**	**7,140**	16,086	**309**	
	6/18/2015		9.69	-	-	90.81	**5,580**	**631**	**1,780**	**5,480**	13,471	**202**	
	9/9/2015		9.89	-	-	90.61	**4,350**	**522**	**1,550**	**5,030**	11,452	**136**	
	12/10/2015		10.23	-	-	90.27	**3,850**	**371**	**1,610**	**1,370**	7,201	**75.0**	
	3/16/2016		9.96	-	-	90.54	**4,120**	**650**	**1,740**	**4,930**	11,440	**143**	
	6/15/2016		9.74	-	-	90.76	**4,110**	**518**	**1,550**	**4,780**	10,958	**146**	
	9/19/2016		10.38	-	-	90.12	**4,990**	**591**	**1,680**	**5,020**	12,281	**114**	
	12/8/2016		9.85	-	-	90.65	**4,790**	**742**	**1,830**	**5,750**	13,112	**126**	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		8.93	-	-	91.57	**4,210**	**641**	**2,700**	**4,900**	12,451	**86.1**	
	9/7/2017		9.36	-	-	91.14	**4,120**	**629**	**2,190**	**6,560**	13,499	ND < 20	
MW-11	2/28/2005	99.62	8.14	-	-	91.48	**619**	**576**	**1,050**	**4,270**	6,515	**77**	
	6/6/2005		8.07	-	-	91.55	**616**	**410**	**1,070**	**5,050**	7,146	**71**	
	9/8/2005		8.81	8.78	0.03	90.85	-	-	-	-	-	-	
	12/29/2005		11.63	-	-	87.99	**697**	**249**	**1,170**	**3,630**	5,746	**57**	
	3/20/2006		8.13	-	-	91.49	**625**	**294**	**1,070**	**4,130**	6,119	**39**	
	6/7/2006		7.45	-	-	92.17	-	-	-	-	-	-	
	9/14/2006		7.13	7.11	0.02	92.52	-	-	-	-	-	-	
	12/7/2006		7.30	7.28	0.02	92.35	-	-	-	-	-	-	
	3/29/2007		7.94	-	-	91.68	**531**	**199**	**1,030**	**1,580**	3,340	ND < 10	
	6/13/2007		7.18	-	-	92.44	**438**	**125**	**738**	**935**	2,236	**32**	
	9/19/2007		8.11	-	-	91.51	**718**	**231**	**1,050**	**1,800**	3,799	**36**	
	12/11/2007		8.70	8.68	0.02	90.95	-	-	-	-	-	-	
	3/13/2008		8.20	-	-	91.42	**336**	**153**	**860**	**1,530**	2,879	ND < 5	
	6/6/2008		8.17	-	-	91.45	**617**	**194**	**954**	**1,410**	3,175	**37**	
	12/30/2008		7.91	-	-	91.71	**473**	**185**	**990**	**1,730**	3,378	**23.9**	
	3/16/2009		9.06	-	-	90.56	**423**	**192**	**770**	**1,610**	2,995	**20.9**	
	6/8/2009		7.87	-	-	91.75	**575**	**209**	**1,110**	**2,330**	4,224	**27.4**	
	7/20/2009		7.93	7.85	0.08	91.81	-	-	-	-	-	-	
	9/24/2009		8.59	8.54	0.05	91.10	-	-	-	-	-	-	
	12/3/2009		8.51	-	-	91.11	**797**	**142**	**1,280**	**1,020**	3,239	**46.9**	
	3/3/2010		7.66	-	-	91.96	**518**	**110**	**1,060**	**1,010**	2,698	**23.4**	
	6/7/2010		7.94	-	-	91.68	**382**	**33.1**	**901**	**498**	1,814.1	**23.1**	
	9/1/2010		8.98	-	-	90.64	**510**	**131**	**1,300**	**1,620**	3,561	ND < 100	
	12/3/2010		8.71	-	-	90.91	**513**	**206**	**911**	**1,560**	3,190	**11.3**	
	3/29/2011		7.45	-	-	92.17	**68.3**	**7.60**	**199**	**234**	508.9	3.20	
	6/16/2011		7.71	-	-	91.91	**148**	**23.3**	**293**	**315**	779.3	2.80	
	8/8/2011		8.54	-	-	91.08	**308**	**48.5**	**380**	**385**	1,121.5	7.90	
	9/19/2011		6.98	-	-	92.64	**57**	**12.3**	**162**	**171**	402.3	1.40	
	12/5/2011		7.81	-	-	91.81	**144**	**52**	**304**	**455**	955	4	
	3/16/2012		8.98	-	-	90.64	**637**	**149**	**794**	**1,580**	3,160	**12**	
	6/8/2012		8.14	-	-	91.48	**492**	**161**	**611**	**1,090**	2,354	9.70	
	9/7/2012		8.18	-	-	91.44	**604**	**164**	**699**	**1,240**	2,707	7.61	
	12/18/2012		8.61	-	-	91.01	**587**	**184**	**702**	**1,320**	2,793	7.11	
	3/14/2013		8.40	-	-	91.22	**487**	**150**	**608**	**934**	2,179	7.78	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		**1**	**5**	**5**	**5**	**NS**	**10**	
MW-11 (cont)	6/24/2013	99.62	7.27	-	-	92.35	**403**	**113**	**495**	**447**	1,458	3.98	
	9/4/2013		8.50	-	-	91.12	**513**	**147**	**947**	**1,230**	2,837	3.54	
	9/6/2013		8.56	-	-	91.06	**513**	**147**	**947**	**1,230**	2,837	3.54	
	10/7/2013		8.76	-	-	90.86	-	-	-	-	-	-	
	10/23/2013		9.03	-	-	90.59	-	-	-	-	-	-	
	11/11/2013		9.42	-	-	90.20	-	-	-	-	-	-	
	12/10/2013		9.92	-	-	89.70	**490**	**107**	**561**	**869**	2,027	2.93	COULD NOT GAUGE
	1/21/2014		8.65	-	-	90.97	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**435**	**86.0**	**521**	**801**	1,843	3.54	COULD NOT GAUGE
	6/3/2014		7.71	-	-	91.91	**218**	**70.6**	**287**	**468**	1,043.6	3.16	
	10/2/2014		9.00	-	-	90.62	**309**	**74.9**	**407**	**475**	1,265.9	ND < 10.0	
	12/3/2014		8.28	-	-	91.34	**241**	**61.8**	**325**	**354**	981.8	4.82	
	3/11/2015		8.32	-	-	91.30	**193**	**62.5**	**497**	**567**	1,319.5	ND < 1.00	
	6/18/2015		8.47	-	-	91.15	**246**	**63.3**	**540**	**551**	1,400.3	4.43	
	9/9/2015		7.82	-	-	91.80	**307**	**76.2**	**509**	**687**	1,579.2	ND < 1.00	
	12/10/2015		9.21	-	-	90.41	**224**	**31.8**	**546**	**438**	1,239.8	ND < 1.00	
	3/16/2016		8.31	-	-	91.31	**178**	**56.9**	**507**	**561**	1,302.9	ND < 1.00	
	6/15/2016		8.66	-	-	90.96	**314**	**70.4**	**559**	**668**	1,611.4	ND < 5.00	
	9/19/2016		9.41	-	-	90.21	**359**	**95.9**	**603**	**825**	1,882.9	ND < 5.00	
	12/8/2016		8.54	-	-	91.08	**160**	**47.3**	**426**	**497**	1,130.3	ND < 5.00	
	3/16/2017		8.87	-	-	90.75	**129**	**23.7**	**316**	**270**	738.7	ND < 5.00	
	6/26/2017		7.71	-	-	91.91	**191**	**13.3**	**348**	**328**	880.3	2.1	
	9/7/2017		8.23	-	-	91.39	**260**	**55.4**	**512**	**544**	1,371	2.2	
MW-12	2/28/2005	100.85	9.38	-	-	91.47	**127**	**6.6**	**50**	**57**	240.6	**24.8**	
	6/6/2005		9.17	-	-	91.68	**250**	**8.2**	**29.2**	**51.4**	338.8	**129**	
	3/20/2006		9.17	-	-	91.68	**229**	**9**	**35.5**	**50.2**	323.7	**26.6**	
	6/7/2006		8.68	-	-	92.17	**470**	**17.4**	**81.1**	**86.8**	655.3	**96.7**	
	9/14/2006		8.13	-	-	92.72	**476**	**14**	**42.9**	**63.2**	596.1	**55**	
	12/7/2006		8.37	-	-	92.48	**225**	**7.3**	**5.1**	**22.5**	259.9	**29.4**	
	3/29/2007		9.16	-	-	91.69	**193**	3.7	4	**12.5**	213.2	**44.3**	
	6/13/2007		8.28	-	-	92.57	**274**	**8.3**	**5.8**	**24.7**	312.8	**86.5**	
	9/19/2007		9.16	-	-	91.69	**285**	**6.2**	4.2	**20.5**	315.9	**33**	
	12/11/2007		9.90	-	-	90.95	**249**	5	4.2	**17.6**	275.8	**31.6**	
	3/13/2008		9.21	-	-	91.64	**172**	3.6	**11**	**14.4**	201	ND < 1	
	6/6/2008		9.33	-	-	91.52	**134**	4.4	**8.5**	**15.8**	162.7	**20.6**	
	12/30/2008		9.22	-	-	91.63	**603**	**12.3**	**115**	**53.9**	784.2	**41**	
	3/16/2009		10.21	-	-	90.64	**144**	3.2	**32.2**	**17.7**	197.1	**12.9**	
	6/8/2009		9.16	-	-	91.69	**474**	**8.6**	**69.2**	**33.5**	585.3	**147**	
	7/20/2009		9.38	-	-	91.47	**14.5**	0.56	**15.2**	2.4	32.66	**41.9**	
	9/24/2009		9.71	-	-	91.14	**54.8**	3.1	**37.8**	**21.4**	117.1	**113**	
	12/3/2009		9.75	-	-	91.10	**120**	3.9	**52.7**	**28.5**	205.1	**88.4**	
	3/3/2010		9.15	-	-	91.70	**148**	3.6	**23.1**	**16.1**	190.8	**41.4**	
	6/7/2010		8.97	-	-	91.88	**22.9**	1.1	**8.4**	**7.2**	39.6	8.6	
	9/1/2010		10.22	-	-	90.63	**111**	2.4	**10.7**	**11.6**	135.7	**23**	
	12/3/2010		10.00	-	-	90.85	**87**	1.6	**7.5**	**7**	103.1	**20.3**	
	3/29/2011		8.53	-	-	92.32	**2.1**	ND < 1	0.34	0.32	2.76	6.7	
	6/16/2011		8.90	-	-	91.95	**3.5**	0.36	0.72	1.3	5.88	8.9	
	8/8/2011		9.70	-	-	91.15	**24**	1.4	3.5	**6.6**	35.5	**32.5**	
	9/19/2011		8.39	-	-	92.46	**2.8**	0.35	2.4	3.2	8.75	ND < 1	
	3/16/2012		10.17	-	-	90.68	**27**	1.05	**8.41**	4.22	40.68	**24**	
	6/8/2012		9.42	-	-	91.43	**30.2**	ND < 1.00	4.87	ND < 3.00	35.07	**24.3**	
	9/7/2012		9.66	-	-	91.19	**38.2**	ND < 1.00	4.92	ND < 3.00	43.12	ND < 1.00	
	12/18/2012		9.98	-	-	90.87	**50.5**	1.02	**5.07**	ND < 3.00	56.59	**13.4**	
	3/14/2013		9.58	-	-	91.27	**35.3**	ND < 1.00	**5.36**	ND < 3.00	40.66	**13.5**	
	6/24/2013		8.36	-	-	92.49	**2.76**	ND < 1.00	ND < 1.00	ND < 3.00	2.76	2.48	
	9/4/2013		9.58	-	-	91.27	**15.5**	ND < 1.00	3.19	ND < 2.00	18.69	7.88	
	9/6/2013		9.65	-	-	91.20	**15.5**	ND < 1.00	3.19	ND < 2.00	18.69	7.88	
	10/7/2013		9.98	-	-	90.87	-	-	-	-	-	-	
	12/10/2013		10.67	-	-	90.18	**34.4**	ND < 1.00	1.45	ND < 3.00	35.85	**12.1**	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	3/10/2014		-	-	-	-	**5.71**	ND < 1.00	ND < 1.00	ND < 3.00	5.71	ND < 1.00	COULD NOT GAUGE
	6/3/2014		8.81	-	-	92.04	**2.19**	ND < 1.00	ND < 1.00	ND < 2.00	2.19	1.59	
	10/2/2014		10.25	-	-	90.60	**10.2**	ND < 1.00	ND < 1.00	ND < 2.00	10.2	5.21	
	12/3/2014		9.55	-	-	91.30	**19.9**	ND < 1.00	ND < 1.00	ND < 2.00	19.9	8.41	
	3/11/2015		9.34	-	-	91.51	**10.7**	ND < 1.00	ND < 1.00	ND < 2.00	10.7	ND < 1.00	
	6/18/2015		9.44	-	-	91.41	**1.56**	ND < 1.00	ND < 1.00	ND < 3.00	1.56	3.48	
	9/9/2015		9.76	-	-	91.09	**8.05**	ND < 1.00	ND < 1.00	ND < 3.00	8.05	ND < 1.00	
	12/10/2015		10.16	-	-	90.69	**6.74**	ND < 1.00	ND < 1.00	ND < 3.00	6.74	2.28	
	3/16/2016		9.10	-	-	91.75	**3.76**	ND < 1.00	ND < 1.00	ND < 3.00	3.76	ND < 1.00	
	6/15/2016		9.49	-	-	91.36	**9.33**	ND < 1.00	ND < 1.00	ND < 3.00	9.33	5.40	
	9/19/2016		10.35	-	-	90.50	**9.06**	ND < 1.00	ND < 1.00	ND < 3.00	9.06	1.84	
	12/8/2016		9.80	-	-	91.05	**14.8**	ND < 1.00	ND < 1.00	ND < 3.00	14.8	9.59	
	3/16/2017		9.65	-	-	91.20	**1.75**	ND < 1.00	ND < 1.00	ND < 3.00	1.75	ND < 1.00	
	6/26/2017		9.65	-	-	91.20	0.39	ND < 1.0	ND < 1.0	ND < 1.0	0.39	0.58	
	9/7/2017		9.66	-	-	91.19	**3.3**	ND < 1.0	0.35	ND < 1.0	3.7	ND < 1.0	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-13	2/28/2005	100.04	8.83	6.66	2.17	94.47	-	-	-	-	-	-	
	6/6/2005		8.54	8.53	0.01	91.51	-	-	-	-	-	-	
	9/8/2005		9.37	9.16	0.21	90.99	-	-	-	-	-	-	
	12/29/2005		8.65	8.64	0.01	91.40	-	-	-	-	-	-	
	3/20/2006		6.67	6.66	0.01	93.38	-	-	-	-	-	-	
	6/7/2006		7.61	-	-	92.43	-	-	-	-	-	-	
	9/14/2006		7.34	7.32	0.02	92.73	-	-	-	-	-	-	
	12/7/2006		7.71	7.56	0.15	92.55	-	-	-	-	-	-	
	3/29/2007		8.53	-	-	91.51	**76.5**	ND < 5	ND < 5	ND < 5	76.5	9.3	
	6/13/2007		7.55	-	-	92.49	**56.1**	2.6	**172**	**56.9**	287.6	**11**	
	9/19/2007		8.53	8.51	0.02	91.54	-	-	-	-	-	-	
	12/11/2007		9.30	9.28	0.02	90.77	-	-	-	-	-	-	
	3/13/2008		8.58	-	-	91.46	**179**	**6.1**	**303**	**74.7**	562.8	**13.3**	
	6/6/2008		8.70	-	-	91.34	**245**	**10.2**	**354**	**95.8**	705	**20.8**	
	12/30/2008		8.37	-	-	91.67	**226**	**20.3**	**394**	**136**	776.3	**12.3**	
	3/16/2009		9.76	-	-	90.28	**270**	**22.8**	**423**	**135**	850.8	**11.9**	
	6/8/2009		8.24	-	-	91.80	**68.6**	**6.2**	**129**	**36.8**	240.6	**11.7**	
	7/20/2009		8.31	-	-	91.73	**39**	**7.9**	**300**	**88.6**	435.5	**15.9**	
	9/24/2009		9.01	-	-	91.03	**115**	4.1	**295**	**44.1**	458.2	**10.8**	
	12/3/2009		8.96	-	-	91.08	**219**	**7**	**295**	**53**	574	**13.6**	
	3/3/2010		7.90	-	-	92.14	**31.8**	2.3	**109**	**18.5**	161.6	4.8	
	6/7/2010		8.33	-	-	91.71	**21.2**	1.7	**149**	**19.9**	191.8	**18.6**	
	9/1/2010		9.44	-	-	90.60	**541**	**120**	**884**	**1,490**	3,035	**16.9**	
	12/3/2010		9.13	-	-	90.91	**321**	**114**	**685**	**1,240**	2,360	ND < 5	
	3/29/2011		7.90	-	-	92.14	**6**	ND < 1	**8.7**	**5.2**	19.9	3	
	6/16/2011		5.30	-	-	94.74	**31.5**	2	**62**	**34.4**	129.9	**10.5**	
	8/8/2011		9.04	-	-	91.00	**212**	**40.6**	**260**	**284**	796.6	3.1	
	9/19/2011		7.36	-	-	92.68	**12.3**	2	**174**	**57.5**	245.8	1.3	
	12/5/2011		8.25	-	-	91.79	**20**	1.8	**110**	**44**	175.8	3.4	
	3/16/2012		9.44	-	-	90.60	**194**	**56**	**505**	**294**	1,049	1.71	
	6/8/2012		8.62	-	-	91.42	**135**	**38.6**	**331**	**235**	739.6	2.74	
	9/7/2012		8.92	-	-	91.12	**178**	**39.2**	**421**	**237**	875.2	ND < 1.00	
	12/18/2012		9.09	-	-	90.95	**308**	**84.5**	**663**	**452**	1,507.5	2.82	
	3/14/2013		8.92	-	-	91.12	**586**	**114**	**590**	**948**	2,238	6.10	
	6/24/2013		7.74	-	-	92.30	**117**	**38.6**	**544**	**399**	1,098.6	2.43	
	9/4/2013		8.94	8.91	0.03	91.15	-	-	-	-	-	-	
	9/6/2013		9.06	8.89	0.17	91.24	-	-	-	-	-	-	
	9/26/2013		9.16	9.15	0.01	90.90	**395**	**77.9**	**515**	**458**	1,445.9	3.87	
	10/7/2013		9.21	-	-	90.83	-	-	-	-	-	-	
	10/23/2013		9.45	-	-	90.59	-	-	-	-	-	-	
	11/11/2013		9.86	-	-	90.18	-	-	-	-	-	-	
	12/10/2013		10.02	-	-	90.02	**767**	**126**	**744**	**1,240**	2,877	**13.7**	COULD NOT GAUGE
	1/21/2014		9.19	-	-	90.85	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**250**	**53.8**	**294**	**461**	1,058.8	2.51	COULD NOT GAUGE
	6/3/2014		8.26	-	-	91.78	**92.1**	**29.0**	**235**	**383**	739.1	1.52	
	10/2/2014		9.48	-	-	90.56	**434**	**119**	**744**	**1,290**	2,587	1.21	
	12/3/2014		8.84	-	-	91.20	**395**	**118**	**755**	**1,000**	2,268	ND < 1.00	
	3/11/2015		8.30	-	-	91.74	**129**	**69.7**	**804**	**1,040**	2,042.7	2.82	
	6/18/2015		8.67	8.62	0.05	91.45	-	-	-	-	-	-	
	9/9/2015		9.05	-	-	90.99	**619**	**117**	**762**	**715**	2,213	ND < 1.00	
	12/10/2015		9.45	9.30	0.15	90.82	-	-	-	-	-	-	
	3/16/2016		8.54	8.46	0.08	91.62	**252**	**92.6**	**820**	**620**	1,784.6	ND < 1.00	
	6/15/2016		8.85	8.80	0.05	91.27	**810**	**114**	**870**	**939**	2,733	ND < 5.00	
	9/19/2016		9.51	9.49	0.02	90.56	**971**	**165**	**985**	**1,500**	3,621	ND < 5.00	
	12/8/2016		8.86	8.79	0.07	91.29	**731**	**69.4**	**677**	**705**	2,182.4	ND < 5.00	
	3/16/2017		8.99	8.98	0.01	91.07	**491**	**84.7**	**659**	**576**	1,810.7	ND < 10.0	
	6/26/2017		7.96	7.95	0.01	92.10	**23.1**	4.8	**183**	**99.7**	310.6	1.4	
	9/7/2017		8.65	8.56	0.09	91.52	-	-	-	-	-	-	
MW-14	2/28/2005	100.04	12.87	-	-	87.17	**4.2**	0.61	1.7	**6.7**	13.21	2.5	
	6/6/2005		13.02	-	-	87.02	**12.6**	1	2.4	**9.3**	25.3	ND < 1	
	3/20/2006		13.03	12.53	0.50	87.76	-	-	-	-	-	-	
	6/7/2006		8.19	8.12	0.07	91.96	-	-	-	-	-	-	
	12/7/2006		13.30	8.55	4.75	93.87	-	-	-	-	-	-	
	3/29/2007		10.52	-	-	89.52	**118**	4.8	1.4	**11.3**	135.5	ND < 1	
	6/13/2007		8.38	-	-	91.66	**125**	**5.6**	**5.4**	**41.1**	177.1	ND < 1	
	9/19/2007		10.08	-	-	89.96	**121**	5	4.1	**31.3**	161.4	ND < 1	
	12/11/2007		10.95	10.90	0.05	89.16	-	-	-	-	-	-	
	3/13/2008		9.73	-	-	90.31	**66.7**	2.7	0.76	4.6	74.76	ND < 1	
	6/6/2008		10.05	-	-	89.99	**95.5**	3.6	1.3	**5.8**	106.2	ND < 1	
	12/30/2008		9.59	-	-	90.45	**85.3**	2.5	0.51	2.1	90.41	ND < 1	
	3/16/2009		10.44	-	-	89.60	**101**	4.1	0.77	4.3	110.17	ND < 1	
	6/8/2009		9.46	-	-	90.58	**54.8**	2.3	1.2	4.2	62.5	ND < 1	
	7/20/2009		9.30	-	-	90.74	**51.6**	1.3	0.58	2.3	55.78	ND < 1	
	9/24/2009		10.00	-	-	90.04	**102**	3.8	0.90	**5.9**	112.6	ND < 1	
	12/3/2009		9.81	-	-	90.23	**147**	4.3	1.1	4.6	157	ND < 1	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		**1**	**5**	**5**	**5**	**NS**	**10**	
MW-14	3/3/2010	100.04	8.90	-	-	91.14	**13.5**	ND < 1	ND < 1	ND < 1	13.5	ND < 1	
(cont)	6/7/2010		9.31	-	-	90.73	**50.3**	0.95	0.32	1.2	52.77	ND < 1	
	9/1/2010		10.36	-	-	89.68	**139**	3.4	1.2	3.7	147.3	ND < 1	
	12/3/2010		10.11	-	-	89.93	**114**	4	0.86	3.2	122.06	ND < 1	
	3/29/2011		8.60	-	-	91.44	**12.7**	ND < 1	ND < 1	ND < 1	12.7	ND < 1	
	6/16/2011		9.20	-	-	90.84	**41.4**	0.55	0.27	0.53	42.75	ND < 1	
	8/8/2011		9.87	-	-	90.17	**84.1**	0.77	ND < 1	ND < 1	84.87	ND < 1	
	9/19/2011		8.22	-	-	91.82	**3.8**	ND < 1	ND < 1	ND < 1	3.8	ND < 1	
	12/5/2011		9.19	-	-	90.85	**64**	0.39	0.22	0.60	65.21	ND < 0.18	
	3/16/2012		10.36	-	-	89.68	**91**	1.28	ND < 1	ND < 3	92.28	ND < 1	
	6/8/2012		9.62	-	-	90.42	**74.8**	ND < 1.00	ND < 1.00	ND < 3.00	74.8	ND < 1.00	
	9/7/2012		9.82	-	-	90.22	**117**	1.96	ND < 1.00	ND < 3.00	118.96	ND < 1.00	
	12/18/2012		9.84	-	-	90.20	**70.8**	1.60	ND < 1.00	ND < 3.00	72.4	ND < 1.00	
	3/14/2013		10.43	-	-	89.61	**20.2**	ND < 1.00	ND < 1.00	ND < 3.00	20.2	ND < 1.00	
	6/24/2013		8.50	-	-	91.54	**7.68**	ND < 1.00	ND < 1.00	ND < 3.00	7.68	ND < 1.00	
	9/4/2013		9.77	-	-	90.27	**44.2**	ND < 1.00	ND < 1.00	ND < 2.00	44.2	ND < 1.00	
	9/6/2013		9.85	-	-	90.19	**44.2**	ND < 1.00	ND < 1.00	ND < 2.00	44.2	ND < 1.00	
	12/10/2013		10.56	-	-	89.48	**51.9**	ND < 1.00	ND < 1.00	ND < 3.00	51.9	ND < 1.00	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**8.32**	ND < 1.00	ND < 1.00	ND < 3.00	8.32	ND < 1.00	COULD NOT GAUGE
	6/3/2014		8.92	-	-	91.12	**4.91**	ND < 1.00	ND < 1.00	ND < 2.00	4.91	ND < 1.00	
	10/2/2014		10.49	-	-	89.55	**42.8**	ND < 1.00	ND < 1.00	ND < 2.00	42.8	ND < 1.00	
	12/3/2014		9.59	-	-	90.45	**20.2**	ND < 1.00	ND < 1.00	ND < 2.00	20.2	ND < 1.00	
	3/11/2015		9.34	-	-	90.70	**8.69**	ND < 1.00	ND < 1.00	ND < 2.00	8.69	ND < 1.00	
	6/18/2015		9.44	-	-	90.60	**34.2**	ND < 1.00	ND < 1.00	ND < 3.00	34.2	ND < 1.00	
	9/9/2015		9.97	-	-	90.07	**46.4**	ND < 1.00	ND < 1.00	ND < 3.00	46.4	ND < 1.00	
	12/10/2015		10.24	-	-	89.80	**38.3**	ND < 1.00	ND < 1.00	ND < 3.00	38.3	ND < 1.00	
	3/16/2016		9.28	-	-	90.76	**6.99**	ND < 1.00	ND < 1.00	ND < 3.00	6.99	ND < 1.00	
	6/15/2016		9.86	-	-	90.18	**37.1**	ND < 1.00	ND < 1.00	ND < 3.00	37.1	ND < 1.00	
	9/19/2016		10.52	-	-	89.52	**24.8**	ND < 10.0	ND < 10.0	ND < 30.0	24.8	ND < 10.0	
	12/8/2016		9.52	-	-	90.52	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	ND < 1.00	
	3/16/2017		9.91	-	-	90.13	**4.96**	ND < 1.00	ND < 1.00	ND < 3.00	4.96	ND < 1.00	
	6/26/2017		8.79	-	-	91.25	0.51	ND < 1.0	ND < 1.0	ND < 1.0	0.51	ND < 1.0	
	9/7/2017		9.45	-	-	90.59	**3.9**	ND < 1.0	ND < 1.0	ND < 1.0	3.9	ND < 1.0	
MW-15	9/27/2006	100.47	10.72	-	-	89.75	**616**	**21.1**	**21.7**	**64.4**	723.2	**425**	
	12/7/2006		9.29	-	-	91.18	**522**	**16.6**	**8.2**	**54.5**	601.3	**114**	
	3/29/2007		9.81	-	-	90.66	**389**	**14**	**5.9**	**30.7**	439.6	**59.5**	
	6/13/2007		8.99	-	-	91.48	**924**	**26.7**	**6**	**56.8**	1,013.5	**191**	
	9/19/2007		9.72	-	-	90.75	**747**	**16.6**	3.5	**34.1**	801.2	**104**	
	12/11/2007		10.29	-	-	90.18	**800**	**15.1**	2.8	**40**	857.9	**119**	
	3/13/2008		9.85	-	-	90.62	**662**	**6.4**	2.9	**15.2**	686.5	**83.4**	
	6/6/2008		9.63	-	-	90.84	**509**	**5.6**	1.2	**12.7**	528.5	**81.1**	
	12/30/2008		9.50	-	-	90.97	**164**	1.9	0.58	4.6	171.08	**16.8**	
	3/16/2009		10.69	-	-	89.78	**540**	**5.8**	1.2	**9.5**	556.5	**57.2**	
	6/8/2009		9.45	-	-	91.02	**141**	ND < 1	ND < 1	1	142	**14.8**	
	7/20/2009		9.33	-	-	91.14	**80.7**	1.2	0.93	3.7	86.53	**19.1**	
	9/24/2009		9.91	-	-	90.56	**162**	3.9	**7.3**	**8.6**	181.8	**74.5**	
	12/3/2009		9.98	-	-	90.49	**432**	**8.6**	**7.3**	**17.4**	465.3	**52.2**	
	3/3/2010		9.41	-	-	91.06	**606**	**6.4**	**8.1**	**18.5**	639	**99.2**	
	6/7/2010		9.42	-	-	91.05	**200**	3.6	**6.2**	**6.3**	216.1	**24.7**	
	9/1/2010		10.06	-	-	90.41	**194**	3.6	2.8	**5.3**	205.7	**101**	
	12/3/2010		12.20	-	-	88.27	**405**	**7.6**	**6.9**	**13.7**	433.2	**93.3**	
	3/29/2011		9.52	-	-	90.95	**119**	0.86	ND < 1	0.89	120.75	**26.8**	
	6/16/2011		9.34	-	-	91.13	**8**	ND < 1	ND < 1	ND < 1	8	3.4	
	8/8/2011		9.93	-	-	90.54	**81.1**	2.3	0.85	4.2	88.45	**45.1**	
	9/19/2011		8.49	-	-	91.98	**43.2**	1.5	0.94	4.6	50.24	**25.8**	
	12/5/2011		9.40	-	-	91.07	**5**	ND < 0.15	ND < 0.21	0.51	5.51	5.4	
	3/16/2012		10.57	-	-	89.90	**31**	ND < 1	ND < 1	ND < 3	31	**58**	
	6/8/2012		9.67	-	-	90.80	**3.89**	ND < 1.00	ND < 1.00	ND < 3.00	3.89	8.11	
	9/7/2012		9.83	-	-	90.64	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**10.2**	
	12/18/2012		9.99	-	-	90.48	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**11.3**	
	3/14/2013		10.23	-	-	90.24	**6.60**	ND < 1.00	ND < 1.00	ND < 3.00	6.6	**30.5**	
	6/24/2013		8.98	-	-	91.49	**2.91**	ND < 1.00	ND < 1.00	ND < 3.00	2.91	2.21	
	9/6/2013		10.09	-	-	90.38	**1.77**	ND < 1.00	ND < 1.00	ND < 2.00	1.77	**13.0**	
	12/10/2013		10.31	-	-	90.16	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**18.0**	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	**13.0**	COULD NOT GAUGE
	6/3/2014		9.70	-	-	90.77	**1.06**	ND < 1.00	ND < 1.00	ND < 2.00	1.06	3.54	
	10/2/2014		10.62	-	-	89.85	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	8.18	
	12/3/2014		10.21	-	-	90.26	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	4.11	
	3/11/2015		10.33	-	-	90.14	ND < 1.00	ND < 1.00	ND < 1.00	ND < 2.00	ND	9.97	
	6/18/2015		10.02	-	-	90.45	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	6.61	
	9/9/2015		10.25	-	-	90.22	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	6.55	
	12/10/2015		10.50	-	-	89.97	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	6.69	
	3/16/2016		10.12	-	-	90.35	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	3.18	
	6/15/2016		10.26	-	-	90.21	**2.49**	ND < 1.00	ND < 1.00	ND < 3.00	2.49	4.76	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		**1**	**5**	**5**	**5**	**NS**	**10**	
MW-15 (cont)	9/19/2016	100.47	10.59	-	-	89.88	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	8.42	
	12/8/2016		9.77	-	-	90.70	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	2.96	
	3/16/2017		9.90	-	-	90.57	**1.23**	ND < 1.00	ND < 1.00	ND < 3.00	1.23	4.17	
	6/26/2017		9.03	-	-	91.44	**1.6**	ND < 1.0	ND < 1.0	ND < 1.0	1.6	ND < 1.0	
	9/7/2017		9.63	-	-	90.84	**1.5**	ND < 1.0	0.33	0.49	2.3	0.76	
MW-16	9/27/2006	100.42	11.90	-	-	88.52	**1,600**	**159**	**1,220**	**2,520**	5,499	2.3	
	12/7/2006		18.97	10.25	8.72	94.53	-	-	-	-	-	-	
	3/29/2007		11.36	-	-	89.06	**2,320**	**87.1**	**430**	**1,110**	3,947.1	ND < 20	
	6/13/2007		10.82	10.68	0.14	89.81	-	-	-	-	-	-	
	9/19/2007		10.98	10.76	0.22	89.77	-	-	-	-	-	-	
	12/11/2007		9.80	9.77	0.03	90.66	-	-	-	-	-	-	
	3/13/2008		10.89	-	-	89.53	**1,200**	**34.1**	**146**	**303**	1,683.1	ND < 10	
	6/6/2008		10.06	-	-	90.36	**1,350**	**49.6**	**225**	**394**	2,018.6	**16.1**	
	12/30/2008		9.66	-	-	90.76	**958**	**59.8**	**393**	**662**	2,072.8	7.7	
	3/16/2009		10.70	-	-	89.72	**1,320**	**44**	**141**	**222**	1,727	3.7	
	6/8/2009		9.64	-	-	90.78	**2,830**	**158**	**667**	**1,010**	4,665	ND < 20	
	7/20/2009		9.56	9.47	0.09	90.99	-	-	-	-	-	-	
	9/24/2009		9.96	9.80	0.16	90.70	-	-	-	-	-	-	
	12/3/2009		9.85	9.76	0.09	90.71	-	-	-	-	-	-	
	3/3/2010		8.90	-	-	91.52	**940**	**104**	**1,070**	**2,020**	4,134	3.5	
	6/7/2010		9.28	9.00	0.28	91.56	-	-	-	-	-	-	
	9/1/2010		10.21	-	-	90.21	**2,590**	**131**	**492**	**828**	4,041	ND < 20	
	12/3/2010		9.67	9.66	0.01	90.76	-	-	-	-	-	-	
	3/29/2011		8.45	-	-	91.97	**312**	**26.3**	**284**	**319**	941.3	ND < 2.5	
	6/16/2011		8.75	-	-	91.67	**1,490**	**76.6**	**433**	**634**	2,633.6	ND < 10	
	8/8/2011		9.44	9.41	0.03	91.02	-	-	-	-	-	-	
	9/19/2011		7.89	-	-	92.53	**68.3**	4.1	**59.9**	**77.1**	209.4	ND < 1	
	12/5/2011		8.77	-	-	91.65	**655**	**26**	**237**	**246**	1,164	ND < 0.37	
	3/16/2012		9.96	-	-	90.46	**1,400**	**59**	**157**	**342**	1,958	ND < 1	
	6/8/2012		9.22	-	-	91.20	**1,310**	**49.2**	**157**	**229**	1,745.2	ND < 1.00	
	9/7/2012		9.36	-	-	91.06	**2,060**	**81.1**	**303**	**380**	2,824.1	ND < 1.00	
	12/18/2012		9.56	-	-	90.86	**1,130**	**63.4**	**423**	**329**	1,945.4	ND < 1.00	
	3/14/2013		9.39	-	-	91.03	**1,140**	**59.3**	**159**	**261**	1,619.3	ND < 1.00	
	6/24/2013		8.23	-	-	92.19	**509**	**46.1**	**177**	**303**	1,035.1	ND < 1.00	
	9/4/2013		9.32	9.28	0.04	91.16	-	-	-	-	-	-	
	9/6/2013		9.57	9.36	0.21	91.16	-	-	-	-	-	-	
	9/26/2013		10.83	10.60	0.23	89.94	-	-	-	-	-	-	
	10/23/2013		10.08	9.83	0.25	90.72	-	-	-	-	-	-	
	11/11/2013		10.34	-	-	90.08	-	-	-	-	-	-	
	12/10/2013		10.75	-	-	89.67	**1,060**	**57.8**	**99.1**	**200**	1,416.9	1.30	COULD NOT GAUGE
	1/21/2014		9.68	9.56	0.12	90.92	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	-	-	-	-	-	-	COULD NOT GAUGE
	6/3/2014		8.72	8.64	0.08	91.82	-	-	-	-	-	-	
	10/2/2014		9.85	-	-	90.57	**1,060**	**68.5**	**495**	**1,020**	2,643.5	ND < 10.0	SHEEN
	12/3/2014		9.25	-	-	91.17	**1,380**	**86.9**	**337**	**1,390**	3,193.9	ND < 1.00	
	3/11/2015		8.99	-	-	91.43	**524**	**80.5**	**590**	**1,190**	2,384.5	ND < 1.00	
	6/18/2015		9.08	-	-	91.34	**1,330**	**128**	**586**	**1,180**	3,224	ND < 1.00	
	9/9/2015		9.52	-	-	90.90	**1,040**	**106**	**522**	**1,130**	2,798	ND < 1.00	
	12/10/2015		9.84	-	-	90.58	**1,090**	**85.6**	**347**	**678**	2,200.6	ND < 1.00	
	3/16/2016		9.05	-	-	91.37	**333**	**108**	**621**	**1,150**	2,212	ND < 1.00	
	6/15/2016		9.62	-	-	90.80	**923**	**101**	**481**	**918**	2,423	ND < 5.00	
	9/19/2016		10.03	-	-	90.39	**978**	**108**	**534**	**1,010**	2,630	ND < 5.00	
	12/8/2016		9.33	-	-	91.09	**926**	**85.4**	**502**	**1,010**	2,523.4	ND < 5.00	
	3/16/2017		9.50	-	-	90.92	**906**	**89.0**	**433**	**786**	2,214	ND < 10.0	
	6/26/2017		8.38	-	-	92.04	**715**	**56.5**	**466**	**783**	2,020.5	ND < 4.0	
	9/7/2017		8.86	8.85	0.01	91.57	**929**	**75.1**	**462**	**570**	2,036	ND < 5.0	
MW-17	9/28/2006	100.05	10.59	-	-	89.46	**4.8**	**64.2**	**378**	**1,420**	1,867	**202**	
	12/7/2006		10.90	-	-	89.15	**19.9**	**97.6**	**335**	**1,090**	1,542.5	**29.8**	
	3/29/2007		10.18	-	-	89.87	**15.4**	**145**	**432**	**1,300**	1,892.4	**19.4**	
	6/13/2007		9.55	-	-	90.50	**11.1**	**76.9**	**228**	**695**	1,011	**21.3**	
	9/19/2007		9.71	-	-	90.34	**11.4**	**69.3**	**252**	**665**	997.7	**13.6**	
	12/11/2007		10.17	-	-	89.88	**4.8**	**32.9**	**148**	**386**	571.7	4.3	
	3/13/2008		9.17	-	-	90.88	**20.4**	**143**	**695**	**2,160**	3,018.4	8.2	
	6/6/2008		9.03	-	-	91.02	**2.6**	**14.2**	**63.7**	**178**	258.5	3.4	
	12/30/2008		8.51	-	-	91.54	**18.1**	**60.3**	**421**	**418**	917.4	2.3	
	3/16/2009		9.42	-	-	90.63	**3.8**	**20.4**	**134**	**184**	342.2	2.1	
	6/8/2009		8.19	-	-	91.86	**244**	**80.1**	**773**	**439**	1,536.1	7.7	
	7/20/2009		8.23	-	-	91.82	**27.4**	**145**	**726**	**1,100**	1,998.4	1.7	
	9/24/2009		8.93	-	-	91.12	**10.6**	**47.7**	**324**	**369**	751.3	ND < 1	
	12/3/2009		8.91	-	-	91.14	**32.7**	**161**	**854**	**1,170**	2,217.7	1.7	
	3/3/2010		8.02	-	-	92.03	**7.5**	**37.7**	**225**	**289**	559.2	1.4	
	6/7/2010		8.33	-	-	91.72	**7.6**	**35**	**259**	**274**	575.6	0.83	
	9/1/2010		9.01	-	-	91.04	**16.3**	**91.3**	**716**	**675**	1,498.6	ND < 2	
	12/3/2010		8.80	-	-	91.25	**19.8**	**103**	**757**	**881**	1,760.8	ND < 1	
	3/29/2011		7.83	-	-	92.22	**6.3**	**14.7**	**166**	**90.9**	277.9	1.2	
	6/16/2011		7.96	7.90	0.06	92.18	-	-	-	-	-	-	

HISTORICAL GROUNDWATER MONITORING SUMMARY

Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		1	5	5	5	NS	10	
MW-17	8/8/2011	100.05	8.62	8.58	0.04	91.49	-	-	-	-	-	-	
(cont)	9/19/2011		7.12	7.11	0.01	92.95	-	-	-	-	-	-	
	12/5/2011		7.86	-	-	92.19	**9.3**	**43**	**230**	**209**	491.3	1	
	3/16/2012		9.40	9.33	0.07	90.76	-	-	-	-	-	-	
	6/8/2012		8.49	-	-	91.56	**23.7**	**78.4**	**402**	**239**	743.1	ND < 1.00	
	9/7/2012		8.49	-	-	91.56	**24.6**	**89.0**	**279**	**304**	696.6	ND < 1.00	
	12/18/2012		8.62	-	-	91.43	**18.8**	**72.5**	**275**	**332**	698.3	ND < 1.00	
	3/14/2013		8.37	-	-	91.68	**3.85**	**21.2**	**80.2**	**69.1**	174.35	1.40	
	6/24/2013		7.41	-	-	92.64	**6.01**	**31.1**	**112**	**101**	250.11	1.02	
	9/4/2013		8.75	8.70	0.05	91.38	-	-	-	-	-	-	
	9/6/2013		9.74	9.70	0.04	90.37	-	-	-	-	-	-	
	9/26/2013		7.94	7.90	0.04	92.17	**4.58**	**21.3**	**84.9**	**63.5**	174.28	ND < 1.00	
	10/7/2013		7.93	-	-	92.12	-	-	-	-	-	-	
	10/23/2013		9.06	-	-	90.99	-	-	-	-	-	-	
	11/11/2013		9.52	-	-	90.53	-	-	-	-	-	-	
	12/10/2013		9.45	-	-	90.60	**10.2**	**80.4**	**562**	**719**	1,371.6	ND < 1.00	COULD NOT GAUGE
	1/21/2014		8.75	-	-	91.30	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	-	-	-	-	-	-	COULD NOT GAUGE
	6/3/2014		7.86	7.85	0.01	92.21	**16.1**	**98.6**	**288**	**412**	814.7	ND < 1.00	
	10/2/2014		8.92	-	-	91.13	**32.5**	**232**	**1,230**	**1,500**	2,994.5	ND < 1.00	
	12/3/2014		8.21	-	-	91.84	**27.6**	**151**	**1,030**	**1,220**	2,428.6	ND < 1.00	
	3/11/2015		7.81	-	-	92.24	**10.2**	**77.4**	**757**	**796**	1,640.6	ND < 1.00	
	6/18/2015		8.09	-	-	91.96	**25.2**	**167**	**1,080**	**1,240**	2,512.2	ND < 1.00	
	9/9/2015		8.39	-	-	91.66	**18.8**	**120**	**832**	**1,050**	2,020.8	ND < 1.00	
	12/10/2015		8.88	-	-	91.17	**18.8**	**133**	**1,220**	**797**	2,168.8	ND < 1.00	
	3/16/2016		7.95	-	-	92.10	**15.6**	**95.5**	**708**	**757**	1,576.1	ND < 1.00	
	6/15/2016		8.31	-	-	91.74	**19.1**	**129**	**828**	**1,030**	2,006.1	ND < 5.00	
	9/19/2016		9.06	-	-	90.99	**37.7**	**159**	**1,060**	**1,190**	2,446.7	ND < 5.00	
	12/8/2016		8.26	-	-	91.79	**24.5**	**125**	**923**	**1,130**	2,202.5	ND < 5.00	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		7.40	-	-	92.65	**5.8**	**16.6**	**12.3**	**111**	145.7	ND < 1.0	
	9/7/2017		7.86	-	-	92.19	**15.2**	**84.4**	**755**	**601**	1,455.6	ND < 2.0	
MW-18	9/28/2006	101.41	12.54	-	-	88.87	**1,470**	**137**	**499**	**1,160**	3,266	5.8	
	12/7/2006		12.76	-	-	88.65	**2,490**	**210**	**518**	**1,820**	5,038	ND < 10	
	3/29/2007		12.33	-	-	89.08	**2,190**	**170**	**510**	**1,100**	3,970	ND < 20	
	6/13/2007		11.10	-	-	90.31	**2,400**	**296**	**1,040**	**3,360**	7,096	ND < 10	
	9/19/2007		12.02	-	-	89.39	**1,820**	**114**	**397**	**951**	3,282	ND < 2.5	
	12/11/2007		13.40	-	-	88.01	**1,670**	**63.6**	**241**	**439**	2,413.6	ND < 5	
	3/13/2008		13.12	-	-	88.29	**1,770**	**94.2**	**399**	**649**	2,912.2	ND < 10	
	6/6/2008		13.24	-	-	88.17	**2,410**	**156**	**746**	**1,220**	4,532	ND < 10	
	12/30/2008		12.58	-	-	88.83	**1,970**	**80.4**	**319**	**620**	2,989.4	ND < 5	
	3/16/2009		12.85	-	-	88.56	**1,850**	**79.7**	**254**	**417**	2,600.7	ND < 5	
	6/8/2009		12.51	-	-	88.90	**1,680**	**79.8**	**302**	**480**	2,541.8	ND < 10	
	7/20/2009		12.65	-	-	88.76	**1,570**	**83.7**	**301**	**537**	2,491.7	ND < 10	
	9/24/2009		12.96	-	-	88.45	**1,010**	**48.8**	**131**	**363**	1,552.8	ND < 1	
	12/3/2009		12.76	-	-	88.65	**1,380**	**57.2**	**355**	**720**	2,512.2	ND < 5	
	3/3/2010		11.90	-	-	89.51	**1,790**	**80.6**	**400**	**548**	2,818.6	ND < 10	
	6/7/2010		12.47	-	-	88.94	**1,630**	**103**	**502**	**548**	2,783	ND < 5	
	9/1/2010		12.83	-	-	88.58	**2,580**	**102**	**347**	**637**	3,666	ND < 20	
	12/3/2010		12.87	-	-	88.54	**1,020**	**39.4**	**119**	**175**	1,353.4	ND < 10	
	3/29/2011		10.46	-	-	90.95	**746**	**34.7**	**137**	**163**	1,080.7	ND < 5	
	6/16/2011		11.00	-	-	90.41	**2,180**	**123**	**548**	**738**	3,589	ND < 10	
	8/8/2011		10.71	-	-	90.70	**2,440**	**104**	**261**	**374**	3,179	ND < 10	
	9/19/2011		10.34	-	-	91.07	**1,200**	**64.8**	**318**	**425**	2,007.8	ND < 5	
	12/5/2011		9.90	-	-	91.51	**1,620**	**65**	**287**	**345**	2,317	ND < 0.92	
	3/16/2012		10.66	-	-	90.75	**1,740**	**101**	**1,310**	**1,510**	4,661	ND < 1	
	6/8/2012		9.83	-	-	91.58	**153**	**11.9**	**109**	**137**	410.9	ND < 1.00	
	9/7/2012		10.05	-	-	91.36	**1,070**	**53.8**	**451**	**337**	1,911.8	ND < 1.00	
	12/18/2012		10.18	-	-	91.23	**944**	**52.9**	**160**	**315**	1,471.9	ND < 1.00	
	3/14/2013		9.95	-	-	91.46	**780**	**31.3**	**89.2**	**137**	1,037.5	ND < 1.00	
	6/24/2013		8.85	-	-	92.56	**382**	**26.5**	**97.3**	**188**	693.8	ND < 1.00	
	9/4/2013		10.13	-	-	91.28	**1,150**	**87.8**	**371**	**522**	2,130.8	ND < 1.00	
	9/6/2013		10.66	-	-	90.75	**1,150**	**87.8**	**371**	**522**	2,130.8	ND < 1.00	
	12/10/2013		11.01	-	-	90.40	**820**	**55.1**	**122**	**176**	1,173.1	ND < 1.00	COULD NOT GAUGE
	1/21/2014		-	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**897**	**70.6**	**230**	**216**	1,413.6	ND < 1.00	COULD NOT GAUGE
	6/3/2014		9.45	-	-	91.96	**282**	**48.4**	**209**	**248**	787.4	ND < 1.00	
	10/2/2014		10.62	-	-	90.79	**858**	**65.1**	**175**	**175**	1,273.1	ND < 10.0	SHEEN
	12/3/2014		10.06	-	-	91.35	**1,300**	**102**	**330**	**404**	2,136	ND < 1.00	SHEEN
	3/11/2015		9.63	-	-	91.78	**1,220**	**104**	**520**	**376**	2,220	ND < 1.00	
	6/18/2015		9.76	-	-	91.65	**774**	**74.8**	**268**	**427**	1,543.8	ND < 1.00	
	9/9/2015		10.17	-	-	91.24	**1,340**	**89.4**	**237**	**370**	2,036.4	ND < 1.00	
	12/10/2015		10.86	-	-	90.55	**1,090**	**85.3**	**250**	**432**	1,857.3	ND < 1.00	
	3/16/2016		9.71	-	-	91.70	**302**	**77.2**	**170**	**596**	1,145.2	ND < 1.00	
	6/15/2016		10.22	-	-	91.19	**933**	**99.6**	**211**	**521**	1,764.6	ND < 5.00	
	9/19/2016		11.13	-	-	90.28	**1,110**	**130**	**255**	**716**	2,211	ND < 5.00	

HISTORICAL GROUNDWATER MONITORING SUMMARY

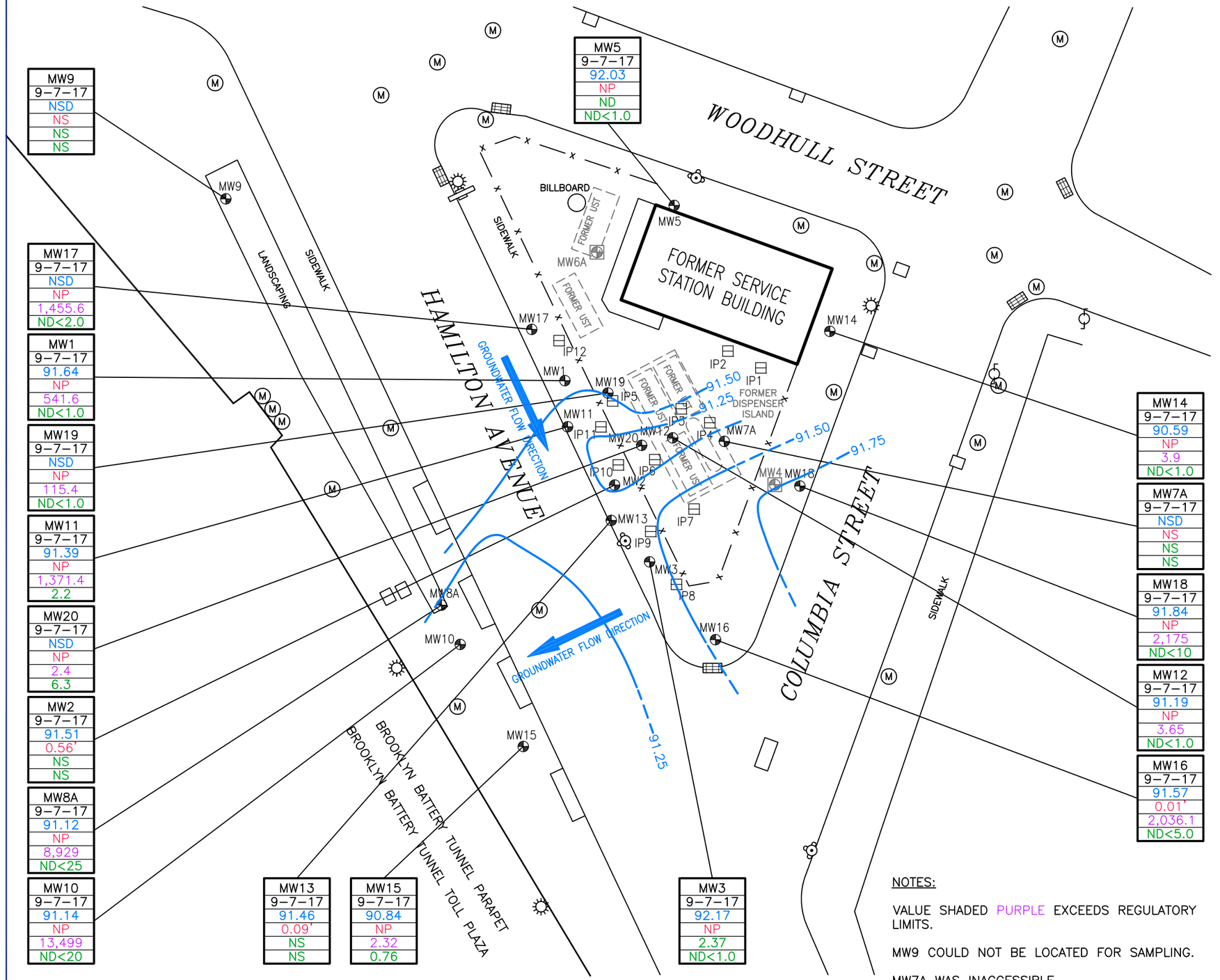
Former Mobil Station # 17-EMW
304 Columbia Street
Brooklyn, New York

Well	Date	Casing Elevation (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness (ft)	Adjusted Groundwater Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (ug/L)	Xylenes, Total (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	Comments
					NYSDEC TOGS 1.1.1 WQS		**1**	**5**	**5**	**5**	**NS**	**10**	
MW-18 (cont)	12/8/2016	101.41	10.08	-	-	91.33	**971**	**82.8**	**145**	**467**	1,665.8	ND < 5.00	
	3/16/2017		-	-	-	-	-	-	-	-	-	-	INACCESSIBLE
	6/26/2017		9.05	-	-	92.36	**96.4**	**5.3**	**10.5**	**11.2**	123.4	ND < 1.0	
	9/7/2017		9.57	-	-	91.84	**1,510**	**111**	**127**	**427**	**2,175**	ND < 10	
MW-19	9/6/2013	NSD	9.41	-	-	-	**39.3**	**15.8**	**171**	**58.3**	284.4	ND < 1.00	NSD
	10/7/2013		9.58	-	-	-	-	-	-	-	-	-	NSD
	10/23/2013		9.89	-	-	-	-	-	-	-	-	-	NSD
	11/11/2013		10.42	-	-	-	-	-	-	-	-	-	NSD
	12/10/2013		10.29	-	-	-	**57.5**	**18.1**	**148**	**56.2**	279.8	4.75	NSD
	1/21/2014		9.49	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**67.1**	**8.28**	**245**	**58.0**	378.38	2.75	COULD NOT GAUGE
	6/3/2014		8.58	-	-	-	**35.7**	4.06	**126**	**36.2**	201.96	ND < 1.00	
	10/2/2014		9.92	-	-	-	**68.9**	**12.9**	**183**	**40.5**	305.3	ND < 10.0	
	12/3/2014		9.15	-	-	-	**57.7**	**11.3**	**168**	**46.4**	283.4	ND < 1.00	
	3/11/2015		8.95	-	-	-	**28.8**	**6.76**	**102**	**32.0**	169.56	ND < 1.00	
	6/18/2015		9.08	-	-	-	**63.6**	**9.92**	**72.6**	**34.5**	180.62	2.40	
	9/9/2015		9.46	-	-	-	**52.3**	**13.7**	**89.3**	**47.9**	203.2	ND < 1.00	
	12/10/2015		9.82	-	-	-	**38.3**	**13.9**	**105**	**58.5**	215.7	ND < 1.00	
	3/16/2016		8.93	-	-	-	**40.5**	**12.8**	**123**	**52.8**	229.1	ND < 1.00	NSD
	6/15/2016		9.31	-	-	-	**43.0**	**10.3**	**87.6**	**57.2**	198.1	ND < 1.00	NSD
	9/19/2016		10.03	-	-	-	**50.9**	**19.1**	**72.0**	**68.2**	210.2	ND < 1.00	NSD
	12/8/2016		9.20	-	-	-	**39.8**	**11.0**	**49.5**	**50.3**	150.6	ND < 1.00	
	3/16/2017		9.47	-	-	-	**45.7**	**12.4**	**46.5**	**46.9**	151.5	ND < 1.00	
	6/26/2017		8.33	-	-	-	**13.8**	2.4	**18.5**	**13.9**	48.6	ND < 1.0	
	9/7/2017		8.86	-	-	-	**41.0**	**10.1**	**21.7**	**42.6**	115.4	ND < 1.0	
MW-20	9/6/2013	NSD	9.34	-	-	-	**44.5**	3.65	**44.6**	**15.4**	108.15	**29.2**	NSD
	10/7/2013		9.58	-	-	-	-	-	-	-	-	-	NSD
	10/23/2013		9.82	-	-	-	-	-	-	-	-	-	NSD
	11/11/2013		10.20	-	-	-	-	-	-	-	-	-	NSD
	12/10/2013		10.24	-	-	-	**145**	2.62	**89.1**	**21.1**	257.82	**47.4**	NSD
	1/21/2014		9.35	-	-	-	-	-	-	-	-	-	
	3/10/2014		-	-	-	-	**19.8**	ND < 1.00	2.63	ND < 3.00	22.43	**10.5**	COULD NOT GAUGE
	6/3/2014		8.38	-	-	-	**3.99**	ND < 1.00	ND < 1.00	ND < 2.00	3.99	2.97	
	10/2/2014		9.83	-	-	-	**5.98**	ND < 1.00	2.57	ND < 2.00	8.55	8.10	
	12/3/2014		9.11	-	-	-	**10.9**	ND < 1.00	**7.94**	4.12	22.96	6.57	
	3/11/2015		8.89	-	-	-	**50.1**	1.34	**5.24**	3.19	59.87	**14.5**	
	6/18/2015		9.04	-	-	-	**4.01**	ND < 1.00	ND < 1.00	ND < 3.00	4.01	3.64	
	9/9/2015		9.44	-	-	-	**4.15**	ND < 1.00	ND < 1.00	ND < 3.00	4.15	7.68	
	12/10/2015		9.74	-	-	-	**5.91**	ND < 1.00	ND < 1.00	ND < 3.00	5.91	5.26	
	3/16/2016		8.72	-	-	-	**1.65**	ND < 1.00	ND < 1.00	ND < 3.00	1.65	1.64	NSD
	6/15/2016		9.22	-	-	-	**3.71**	ND < 1.00	ND < 1.00	ND < 3.00	3.71	4.22	NSD
	9/19/2016		9.94	-	-	-	**8.53**	ND < 1.00	ND < 1.00	ND < 3.00	8.53	6.90	NSD
	12/8/2016		9.17	-	-	-	**3.22**	ND < 1.00	ND < 1.00	ND < 3.00	3.22	5.14	
	3/16/2017		9.30	-	-	-	ND < 1.00	ND < 1.00	ND < 1.00	ND < 3.00	ND	1.82	
	6/26/2017		8.22	-	-	-	0.74	ND < 1.0	ND < 1.0	ND < 1.0	0.74	1.9	
	9/7/2017		8.77	-	-	-	**2.4**	ND < 1.0	ND < 1.0	ND < 1.0	2.4	6.3	

NOTES:

TOGS 1.1.1 WQS = Ambient Water Quality Standards Guidance Values and Groundwater Effluent Limitations, amended April 2000
- = Not analyzed or measured
BOLD = Value exceeds regulatory limits
BTEX = Benzene, Toluene, Ethylbenzene, and Total Xylenes
CNL = Could Not Locate
DRY = Insufficient water for sampling
ft = Feet
J = Estimated value
mg/L = Milligrams/Liter
MTBE = Methyl tertiary butyl ether
ND < # = Not detected. Where an analyte is not detected, a reporting limit is given.
NS = No Standard
NSD = No Survey Data
NYSDEC = New York State Department of Environmental Conservation
µg/L = Micrograms per liter
NA = Not Analyzed
NM = Field Data Not Measured

FIGURE



MW9
9-7-17
NSD
NS
NS
NS

MW5
9-7-17
92.03
NP
ND
ND<1.0

MW17
9-7-17
NSD
NP
1,455.6
ND<2.0

MW1
9-7-17
91.64
NP
541.6
ND<1.0

MW19
9-7-17
NSD
NP
115.4
ND<1.0

MW11
9-7-17
91.39
NP
1,371.4
2.2

MW20
9-7-17
NSD
NP
2.4
6.3

MW2
9-7-17
91.51
0.56'
NS
NS

MW8A
9-7-17
91.12
NP
8,929
ND<25

MW10
9-7-17
91.14
NP
13,499
ND<20

MW13
9-7-17
91.46
0.09'
NS
NS

MW15
9-7-17
90.84
NP
2.32
0.76

MW3
9-7-17
92.17
NP
2.37
ND<1.0

MW14
9-7-17
90.59
NP
3.9
ND<1.0

MW7A
9-7-17
NSD
NS
NS
NS

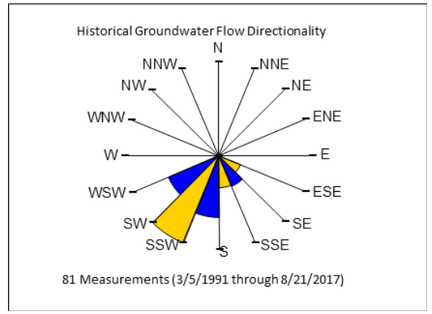
MW18
9-7-17
91.84
NP
2,175
ND<10

MW12
9-7-17
91.19
NP
3.65
ND<1.0

MW16
9-7-17
91.57
0.01'
2,036.1
ND<5.0

LEGEND

— x —	FENCE
	CATCH BASIN
M	UTILITY MANHOLE
	UTILITY POLE
	LIGHT POLE
	FIRE HYDRANT
	MONITORING WELL
	ABANDONED/DESTROYED MONITORING WELL
	INJECTION POINT
MW1 / 9-7-17 / 91.64 / NP / 541.6 / ND<1.0	WELL IDENTIFICATION / SAMPLE DATE / GROUNDWATER ELEVATION (feet) / LPH THICKNESS (feet) / BTEX CONCENTRATION (ug/L) / MTBE CONCENTRATION (ug/L)
ug/L	MICROGRAMS PER LITER
LPH	LIQUID PHASE HYDROCARBONS
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
MTBE	METHYL *tert* –BUTYL ETHER
NSD	NO SURVEY DATA
NP	NO PRODUCT
NS	NOT SAMPLED
ND	NON DETECT
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
	GROUNDWATER CONTOUR (feet) DASHED WHERE INFERRED



NOTES:

VALUE SHADED PURPLE EXCEEDS REGULATORY LIMITS.

MW9 COULD NOT BE LOCATED FOR SAMPLING.

MW7A WAS INACCESSIBLE.

DRAFTED BY: E.V.	GROUNDWATER MONITORING MAP SEPTEMBER 7, 2017
CHECKED BY:	MOBIL SERVICE STATION 17-EMW 304 COLUMBIA STREET BROOKLYN, NEW YORK
REVIEWED BY:	Groundwater & Environmental Services, Inc. 89 CABOT COURT, SUITE A, HAUPPAUGE, NEW YORK 11788
NORTH	SCALE IN FEET: 0 APPROXIMATE 30 / DATE: 10-13-17 / FIGURE: 1

M:\Graphics\0500-Long Island\ExxonMobil\Mobil\17-EMW Brooklyn\17-EMW Brooklyn SM.dwg, B-30, EVega

ATTACHMENT A

LIST OF ACRONYMS

AS :	Air Sparge
BTEX :	Benzene, Toluene, Ethylbenzene and Total Xylenes
Cat-Ox :	Catalytic Oxidizer
COC :	Chemical of Concern
CP-51 SCG :	Soil quality standards as defined by the NYSDEC *Commissioner Policy 51/ Soil Cleanup Guidance*, amended October 21, 2010 (updated soil cleanup levels to TAGM 4046)
DO :	Dissolved Oxygen
DTW :	Depth to Water
EPA :	Environmental Protection Agency
ESA :	Environmental Site Assessment
eV :	Electron Volt
F&T :	Fate and Transport
ft bgs :	Feet Below Ground Surface
GES :	Groundwater & Environmental Services, Inc.
GPR :	Ground Penetrating Radar
HIT :	High Intensity Targeted
HVE :	High Vacuum Extraction
IP :	Injection Point
IRM :	Interim Remedial Measure
ISCO :	In-situ Chemical Oxidation
lbs/hr	Pounds Per Hour
LNAPL :	Light Non-Aqueous Phase Liquids
LPH :	Liquid Phase Hydrocarbons
mg/L :	Milligrams per liter
MNA :	Monitored Natural Attenuation
MPE :	Multi-Phase Extraction
MTBE :	Methyl Tertiary Butyl Ether
mV :	Millivolts
MW :	Monitoring Well
ND :	Not Detected
NYCDEP :	New York City Department of Environmental Protection
NYSDEC :	New York State Department of Environmental Conservation
O&M :	Operations and Maintenance
ORP :	Oxidation-Reduction Potential
PID :	Photo-Ionization Detector
ppm_{v} :	Parts Per Million by Volume
P&T :	Pump and Treat
RAP	Remedial Action Plan
RSCOs :	Recommended Soil Cleanup Objectives as defined by TAGM 4046
SRS :	Sensitive Receptor Survey
STARS :	*Spills Technology and Remediation Series #1*, amended August 1992
STIP :	Stipulation Agreement.
SVE :	Soil Vapor Extraction
SVOCs :	Semi Volatile Organic Compounds
TAGM :	*Technical and Administrative Guidance Memorandum (#4046): Determination of Soil Cleanup Objectives*, amended January 24, 1994
TOC :	Top of Casing

µg/kg :	Micrograms per kilogram
µg/L :	Micrograms per liter
UST :	Underground Storage Tank
VGAC :	Vapor-Phase Granulated Activated Carbon
VEGE :	Vacuum Enhanced Groundwater Extraction
VOCs :	Volatile Organic Compounds
WQS :	Groundwater quality standards as defined by the June 1998 *Technical and Operation Guidance Series* 1.1.1, *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* and the April 2000 *Addendum*.

ATTACHMENT B

SITE HISTORY

Former Mobil Station #17-EMW
304 Columbia Street
Brooklyn, New York

The site is currently an automobile repair facility. There are currently three (3) closed New York State Department of Environmental Conservation (NYSDEC) Spills associated with the site:

- NYSDEC Spill #93-12498 was opened on January 24, 1994 in response to a tank test failure. The spill was closed on May 14, 2003.

- NYSDEC Spill #05-02047 was opened on May 19, 2005 in response to a used oil spill. The spill was closed on April 26, 2010.

- NYSDEC Spill #06-10200 was opened on December 7, 2006 in response to an unknown spill event. The spill was closed on April 26, 2010.

There is one (1) active NYSDEC Spill associated with the site:

- NYSDEC Spill #89-04339 was opened on August 1, 1989 during UST removal activities. The spill remains open.

Information pertaining to the active spill, along with historical investigation and remedial activities conducted at the site, has been summarized below.

- July 1989 – A tank removal and replacement event was conducted on behalf of Mobil Oil Corporation. Fifteen (15) underground storage tanks (USTs) were removed from the site and four new USTs were installed. Petroleum-impacted soil and liquid phase hydrocarbons (LPH) were discovered during tank removal activities. Approximately 650 tons of petroleum-impacted soil was excavated and disposed at a state-certified landfill.

- August 1, 1989 – Spill #89-04339 was assigned to the site by the NYSDEC.

- July 25, 1990 – A site assessment was conducted at the site. Five (5) monitoring wells were installed (W-1 through W-5). LPH was present in wells W-2 and W-3.

- December 1996 – A subsurface investigation was conducted prior to site divestment, and included the installation of three (3) direct-push soil borings.

- April 22 through 25, 1997 – Site divestment activities were conducted and included the removal of one (1) 1,000-gallon waste oil UST, one (1) 4,000-gallon abandoned single-walled steel gasoline tank, two (2) 4,000-gallon double-walled gasoline fiberglass tanks, one (1) 4,000-gallon abandoned double-walled fiberglass gasoline tank, one (1) pump island, all associated piping, and three (3) hydraulic lifts. Approximately 235.06 tons of petroleum-contaminated soil was excavated and disposed at a state-certified landfill. Seven (7) on-site monitoring wells were destroyed during tank closure activities and site renovations.

- March 25 and April 6, 1998 – A subsurface investigation was conducted which included the installation of four (4) groundwater monitoring wells (MW-1 through MW-3 and MW-5).

- October 11, 1999 – An Environmental Site Assessment was conducted and included the installation of five (5) soil borings (B-1 through B-5) to varying depths between 8 and 34 feet below ground surface (bgs).

- May 10 and 15, 2002 – A *Site Investigation Work Plan* was submitted for proposed delineation and included the installation of ten (10) on-site soil borings and four (4) off-site soil borings (along the north side of Hamilton Avenue) using a direct-push drill rig to 16 feet bgs with groundwater sampling.

- June 24, 2002 – The NYSDEC approved the *Site Investigation Work Plan* and proposed schedules submitted on May 10 and 15, 2002. The NYSDEC requested four (4) additional soil borings along Columbia Street and two additional soil borings along Woodhull Street. The NYSDEC also requested a Sensitive Receptor Survey (SRS) and UST investigation of the former tank field to evaluate the existence and/or proper abandonment of 1,000-gallon USTs from 1997.

- July 22 through 26, 2002 – A subsurface investigation was conducted and included the installation of six (6) on-site soil borings (SB-1, SB-2, SB-4, SB-7, SB-8, and SB-9) and ten (10) off-site soil borings (SB-11 through SB-20).

- December 2, 2002 – A *Subsurface Investigation Report (SIR)* was submitted to the NYSDEC for fieldwork completed in July 2002. Recommendations were made for additional off-site borings/monitoring wells along Hamilton Avenue.

- February 10, 2003 – NYSDEC and ExxonMobil visited the site to discuss proposed monitoring well locations.

- February 21, 2003 – A revised proposed monitoring well/soil boring location map was submitted to the NYSDEC via email in accordance with site discussions on February 10, 2003.

- March 20, 2003 – A letter was received from the NYSDEC to ExxonMobil approving the on- and off-site boring and monitoring well locations submitted on the February 21, 2003 revised map.

- May 12, 2003 – A subsurface investigation was conducted which included the installation of five (5) monitoring wells (MW-6A, MW-7A, MW-8A, MW-9 and MW-10).

- September 16, 2003 – A *Corrective Action Plan (CAP)* was submitted which included a proposed pilot test and future remedial plan.

- September 25, 2003 – The NYSDEC requested the CAP be expanded to include details of the pilot test and the possible installation of additional wells.

- November 18, 2003 – Letter from the NYSDEC approving the amended CAP.

- February 9, 2004 – A subsurface investigation was conducted which included the installation of three (3) soil borings which were completed as monitoring wells (MW-11 through MW-13).

- February 27, 2004 – A high vacuum dual-phase extraction (HVDPE)/enhanced fluid recovery (EFR) event was conducted. During the event, preliminary data was collected to conduct an HVDPE/EFR pilot test.

- November 4, 2004 – A supplemental subsurface investigation was conducted in which one (1) soil boring was installed and completed as a monitoring well (MW-14).

- January 2005 through March 2006 – Enhanced fluid recovery events (EFR) were conducted on a monthly basis. A passive bailer was installed in monitoring well (MW-14) on September 23, 2005. Monitoring wells MW-6, MW-7, and MW-8 were destroyed during construction activities and MW-6A was destroyed in March 2005 during construction for a billboard sign.

- June 2008 – Subsurface investigation was conducted to further evaluate current soil and groundwater hydrocarbon concentrations for additional on- and off-site delineation.

- June 15 through 16, 2009 – Chemical oxidation injections were performed where approximately 1,800 gallons of sodium persulfate and 2,700 gallons of ISOTEC's patented catalyst were injected into twelve injection points located on site (IP-1 through IP-12).

- June 22 and 23, 2010 - Approximately 1,680 gallons of a diluted EnviroClean surfactant solution was injected at MW-1, MW-2, MW-3, MW-13, and MW-16 in order to address LPH observed at the site prior to continuation of chemical injections. On June 24, 25, and 28, 2010, approximately 710 gallons of fluids were recovered during EFR events from the five injection wells.

- July 26 through 28 and August 2 through 4, 2010 – Surfactant injection and recovery events were performed. A diluted EnviroClean surfactant solution was injected at MW-1 through MW-3, MW-13, and MW-16. Approximately 836 gallons of fluids were recovered during EFR events from the five injection wells.

- December 6 through 9, 2010 –An In-Situ Chemical Oxidation (ISCO) pilot test was conducted targeting off-site areas within the eastern sidewalk along Hamilton Avenue and onsite areas within the former gasoline UST area. Twelve injection points were installed. A total of 7,200 gallons of sodium persulfate (at approximately 10.0% concentration) activated with chelated iron catalyst (ASP), including 2,400 gallons of catalyst and 4,800 gallons of oxidizer, were injected.

- August 15 and August 18, 2011 – An ISCO event was conducted targeting off-site areas within the eastern sidewalk along Hamilton Avenue and on-site areas within the former gasoline underground storage tank (UST) area. A total of 7,200 gallons of Activated

Sodium Persulfate (ASP), including 2,400 gallons of catalyst and 4,800 gallons of oxidizer, were injected.

- July 9 through 11, 2012 – A Limited Off-Site Investigation was conducted within the eastern sidewalk along Hamilton Avenue to delineate soil impacts. Vertical Delineation: Soil analytical data results reported concentrations of STARS list compounds above CP-51 soil cleanup levels ranging from 8 to 20 feet below ground surface. Groundwater was encountered between 7 and 10 feet below ground surface within the recently advanced boring locations. This is evidence of a saturated smear zone that exists below the eastern sidewalk of Hamilton Avenue. Horizontal Delineation: Soil analytical data results reported concentrations of STARS list compounds above CP-51 soil cleanup levels within soil borings SB103 through SB107. Soil borings could not be completed south of SB107 due to underground utility obstructions. MW-17, located north of SB103, has contained measurable LPH within the last year. Horizontal delineation of soil impacts extend from SB101 south to MW-16 where increases of BTEX and MTBE have been reported in groundwater within the last year.

- December 18, 2012 – A Site Conceptual Model (SCM) and Remedial Alternatives Analysis (RAA) Report was submitted to NYSDEC.

- July 25, 2013 – A *Surfactant Injection and Well Installation Work Plan* was submitted to the NYSDEC detailing a proposed plan to conduct on-site surfactant injection/extraction activities to reduce the presence of liquid-phase hydrocarbons (LPH) in the vicinity of the western property boundary.

- July 29, 2013 – GES received approval of the July 2013 *Surfactant Injection and Well Installation Work Plan*.

- August 2, 2013 – An Underground Injection Control (UIC) Notification letter was submitted to the U.S. Environmental Protection Agency (EPA) requesting permission to conduct remedial activities at the Site involving the injection of surfactant solution into the subsurface. A copy of the letter was forwarded to the NYSDEC.

- August 29 and September 4, 2013 – Well installation activities were conducted which included the installation of two (2) monitoring wells (MW-19 and MW-20) on the west-central portion of the Site. The wells were installed in accordance with the July 2013 *Surfactant Injection and Well Installation Work Plan*.

- October 7 through 11, 2013 – A surfactant injection and extraction event was conducted at the Site to reduce the presence of LPH along the western property boundary. On October 7, 2013, 750 gallons of surfactant solution were injected into monitoring wells MW-1, MW-2, MW-11, MW-17, MW-19 and MW-20. Between October 8 and 11 of 2013, a total of 1,022 gallons of fluids were extracted from the same monitoring wells.

- October 15, 2013 – A *Monitoring Well Installation Report* was submitted to the NYSDEC detailing the August and September 2013 well installation activities.

- November 11 through 14, 2013 – A surfactant injection and extraction event was conducted at the Site. On November 11, 2013, a total of 500 gallons of surfactant solution was injected into monitoring wells MW-1, MW-2, MW-13 and MW-16. Between November 12 and 14 of 2013, a total of 1,008 gallons of fluids were extracted from the same monitoring wells.

- January 21, 2014 – Conducted post-surfactant injection groundwater monitoring activities which included the gauging of nine (9) monitoring wells (MW-1 through MW-3, MW-11, MW-13, MW-16, MW-17, MW-19 and MW-20). Monitoring well MW-12 was not gauged as it was inaccessible. LPH was detected in two (2) monitoring wells (MW-1 and MW-16).

- September 8 through 12, 2014 - Conducted a Surfactant Enhanced Groundwater Extraction Event which included the injection of approximately 500 gallons of surfactant into monitoring wells MW-1, MW-2, MW-11, MW-13, MW-16 and MW-17 on September 8, 2014 and the extraction of approximately 1,059 gallons of surfactant/groundwater mixture from these wells between September 9 through 12, 2014.

- December 8 through 12, 2014 – Conducted a Surfactant Enhanced Groundwater Extraction Event which included the injection of approximately 500 gallons of surfactant into monitoring wells MW-1, MW-2, MW-11, MW-13, MW-16 and MW-17 on December 8, 2014 and the extraction of approximately 1,450 gallons of surfactant/groundwater mixture from these wells between December 9 through 12, 2014.

- October 31, 2016 – GES submitted an Exposure Assessment Report to the NYSDEC which concluded that impacted soils and groundwater at the Site have been actively targeted by aggressive remediation techniques, the remaining on-Site and off-Site impacts are stable or decreasing and it has been demonstrated that there is no risk of exposure to residual soil and groundwater impacts for the residential properties up-gradient from the Site.

ATTACHMENT C

SGS ACCUTEST IS PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

e-Hardcopy 2.0
Automated Report

Technical Report for

ExxonMobil Corporation

GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY

0501997 MSA # 11905-00

SGS Accutest Job Number: JC50497

Sampling Date: 09/07/17

Report to:

Groundwater & Environmental Services
89 Cabot Court Suite A
Hauppauge, NY 11788
Matthew.Cordova@SGS.com; LILABS@GESOnline.com

ATTN: Dennis Shin

Total number of pages in report: **26**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Matt Cordova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Sections: 1 2 3 4

Table of Contents

Sample Summary

ExxonMobil Corporation

Job No: JC50497

GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY
Project No: 0501997 MSA # 11905-00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC50497-1	09/07/17	10:10	BD/BV	09/08/17	AQ	Ground Water	MW-1
JC50497-2	09/07/17	12:10	BD/BV	09/08/17	AQ	Ground Water	MW-3
JC50497-3	09/07/17	09:45	BD/BV	09/08/17	AQ	Ground Water	MW-5
JC50497-4	09/07/17	13:00	BD/BV	09/08/17	AQ	Ground Water	MW-8A
JC50497-5	09/07/17	12:30	BD/BV	09/08/17	AQ	Ground Water	MW-10
JC50497-6	09/07/17	11:00	BD/BV	09/08/17	AQ	Ground Water	MW-11
JC50497-7	09/07/17	09:10	BD/BV	09/08/17	AQ	Ground Water	MW-12
JC50497-8	09/07/17	10:15	BD/BV	09/08/17	AQ	Ground Water	MW-14
JC50497-9	09/07/17	12:00	BD/BV	09/08/17	AQ	Ground Water	MW-15
JC50497-10	09/07/17	11:15	BD/BV	09/08/17	AQ	Ground Water	MW-16
JC50497-11	09/07/17	09:20	BD/BV	09/08/17	AQ	Ground Water	MW-17
JC50497-12	09/07/17	10:45	BD/BV	09/08/17	AQ	Ground Water	MW-18
JC50497-13	09/07/17	08:45	BD/BV	09/08/17	AQ	Ground Water	MW-19

Sample Summary
(continued)

ExxonMobil Corporation

Job No: JC50497

GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY
Project No: 0501997 MSA # 11905-00

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JC50497-14	09/07/17	08:40	BD/BV	09/08/17	AQ	Ground Water	MW-20

Summary of Hits

Job Number: JC50497
Account: ExxonMobil Corporation
Project: GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY
Collected: 09/07/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC50497-1	**MW-1**					
Benzene [a]		42.4	0.50	0.17	ug/l	SW846 8260C
Toluene [a]		19.2	1.0	0.25	ug/l	SW846 8260C
Ethylbenzene		287	5.0	1.1	ug/l	SW846 8260C
Xylene (total) [a]		193	1.0	0.22	ug/l	SW846 8260C
JC50497-2	**MW-3**					
Ethylbenzene		1.7	1.0	0.22	ug/l	SW846 8260C
Xylene (total)		0.67 J	1.0	0.22	ug/l	SW846 8260C
JC50497-3	**MW-5**					
No hits reported in this sample.						
JC50497-4	**MW-8A**					
Benzene		1420	13	4.4	ug/l	SW846 8260C
Toluene		359	25	6.2	ug/l	SW846 8260C
Ethylbenzene		1840	25	5.6	ug/l	SW846 8260C
Xylene (total)		5310	25	5.4	ug/l	SW846 8260C
JC50497-5	**MW-10**					
Benzene [b]		4120	100	35	ug/l	SW846 8260C
Toluene [b]		629	20	5.0	ug/l	SW846 8260C
Ethylbenzene [b]		2190	20	4.5	ug/l	SW846 8260C
Xylene (total) [b]		6560	20	4.3	ug/l	SW846 8260C
JC50497-6	**MW-11**					
Benzene		260	1.0	0.35	ug/l	SW846 8260C
Toluene		55.4	2.0	0.50	ug/l	SW846 8260C
Ethylbenzene		512	10	2.2	ug/l	SW846 8260C
Xylene (total)		544	2.0	0.43	ug/l	SW846 8260C
Methyl Tert Butyl Ether		2.2	2.0	0.50	ug/l	SW846 8260C
JC50497-7	**MW-12**					
Benzene		3.3	0.50	0.17	ug/l	SW846 8260C
Ethylbenzene		0.35 J	1.0	0.22	ug/l	SW846 8260C

Summary of Hits

Job Number: JC50497
Account: ExxonMobil Corporation
Project: GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY
Collected: 09/07/17

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC50497-8	**MW-14**					
Benzene		3.9	0.50	0.17	ug/l	SW846 8260C
JC50497-9	**MW-15**					
Benzene		1.5	0.50	0.17	ug/l	SW846 8260C
Ethylbenzene		0.33 J	1.0	0.22	ug/l	SW846 8260C
Xylene (total)		0.49 J	1.0	0.22	ug/l	SW846 8260C
Methyl Tert Butyl Ether		0.76 J	1.0	0.25	ug/l	SW846 8260C
JC50497-10	**MW-16**					
Benzene		929	2.5	0.87	ug/l	SW846 8260C
Toluene		75.1	5.0	1.2	ug/l	SW846 8260C
Ethylbenzene		462	5.0	1.1	ug/l	SW846 8260C
Xylene (total)		570	5.0	1.1	ug/l	SW846 8260C
JC50497-11	**MW-17**					
Benzene		15.2	1.0	0.35	ug/l	SW846 8260C
Toluene		84.4	2.0	0.50	ug/l	SW846 8260C
Ethylbenzene		755	10	2.2	ug/l	SW846 8260C
Xylene (total)		601	2.0	0.43	ug/l	SW846 8260C
JC50497-12	**MW-18**					
Benzene		1510	5.0	1.7	ug/l	SW846 8260C
Toluene		111	10	2.5	ug/l	SW846 8260C
Ethylbenzene		127	10	2.2	ug/l	SW846 8260C
Xylene (total)		427	10	2.2	ug/l	SW846 8260C
JC50497-13	**MW-19**					
Benzene		41.0	0.50	0.17	ug/l	SW846 8260C
Toluene		10.1	1.0	0.25	ug/l	SW846 8260C
Ethylbenzene		21.7	1.0	0.22	ug/l	SW846 8260C
Xylene (total)		42.6	1.0	0.22	ug/l	SW846 8260C
JC50497-14	**MW-20**					
Benzene		2.4	0.50	0.17	ug/l	SW846 8260C
Methyl Tert Butyl Ether		6.3	1.0	0.25	ug/l	SW846 8260C

(a) (pH= 7) Sample is not acid preserved per method/client criteria.

Summary of Hits

Job Number: JC50497
Account: ExxonMobil Corporation
Project: GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY
Collected: 09/07/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

(b) (pH= 7)Sample pH did not satisfy field preservation criteria.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	JC50497-1	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4B74898.D	1	09/14/17 15:40	HT	n/a	n/a	V4B3073
Run #2	2A180933.D	5	09/14/17 00:26	JC	n/a	n/a	V2A7647

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	42.4	0.50	0.17	ug/l	
108-88-3	Toluene	19.2	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	287 [b]	5.0	1.1	ug/l	
1330-20-7	Xylene (total)	193	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	99%	81-124%
2037-26-5	Toluene-D8	103%	102%	80-120%
460-00-4	4-Bromofluorobenzene	95%	98%	80-120%

(a) (pH= 7) Sample is not acid preserved per method/client criteria.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-3		
Lab Sample ID:	JC50497-2	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180935.D	1	09/14/17 01:23	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	1.7	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	0.67	1.0	0.22	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	JC50497-3	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180936.D	1	09/14/17 01:51	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	105%		80-120%
460-00-4	4-Bromofluorobenzene	95%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8A		
Lab Sample ID:	JC50497-4	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180931.D	25	09/13/17 23:29	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1420	13	4.4	ug/l	
108-88-3	Toluene	359	25	6.2	ug/l	
100-41-4	Ethylbenzene	1840	25	5.6	ug/l	
1330-20-7	Xylene (total)	5310	25	5.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	104%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	JC50497-5	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2A180937.D	20	09/14/17 02:20	JC	n/a	n/a	V2A7647
Run #2 [a]	2A180938.D	200	09/14/17 02:48	JC	n/a	n/a	V2A7647

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	4120 [b]	100	35	ug/l	
108-88-3	Toluene	629	20	5.0	ug/l	
100-41-4	Ethylbenzene	2190	20	4.5	ug/l	
1330-20-7	Xylene (total)	6560	20	4.3	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	95%	80-120%
17060-07-0	1,2-Dichloroethane-D4	98%	98%	81-124%
2037-26-5	Toluene-D8	101%	103%	80-120%
460-00-4	4-Bromofluorobenzene	98%	100%	80-120%

(a) (pH= 7)Sample pH did not satisfy field preservation criteria.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	JC50497-6	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B74896.D	2	09/14/17 14:44	HT	n/a	n/a	V4B3073
Run #2	2A180942.D	10	09/14/17 04:42	JC	n/a	n/a	V2A7647

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	260	1.0	0.35	ug/l	
108-88-3	Toluene	55.4	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	512 [a]	10	2.2	ug/l	
1330-20-7	Xylene (total)	544	2.0	0.43	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.2	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	98%	81-124%
2037-26-5	Toluene-D8	100%	103%	80-120%
460-00-4	4-Bromofluorobenzene	97%	99%	80-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12		
Lab Sample ID:	JC50497-7	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180939.D	1	09/14/17 03:16	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.3	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	0.35	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	101%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	JC50497-8	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180940.D	1	09/14/17 03:45	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	3.9	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	97%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	97%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	JC50497-9	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180941.D	1	09/14/17 04:13	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.5	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	0.33	1.0	0.22	ug/l	J
1330-20-7	Xylene (total)	0.49	1.0	0.22	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	0.76	1.0	0.25	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	99%		81-124%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	JC50497-10	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A180944.D	5	09/14/17 05:38	JC	n/a	n/a	V2A7647
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	929	2.5	0.87	ug/l	
108-88-3	Toluene	75.1	5.0	1.2	ug/l	
100-41-4	Ethylbenzene	462	5.0	1.1	ug/l	
1330-20-7	Xylene (total)	570	5.0	1.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	94%		81-124%
2037-26-5	Toluene-D8	103%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17		
Lab Sample ID:	JC50497-11	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B74897.D	2	09/14/17 15:12	HT	n/a	n/a	V4B3073
Run #2	2A180946.D	10	09/14/17 06:35	JC	n/a	n/a	V2A7647

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	15.2	1.0	0.35	ug/l	
108-88-3	Toluene	84.4	2.0	0.50	ug/l	
100-41-4	Ethylbenzene	755 [a]	10	2.2	ug/l	
1330-20-7	Xylene (total)	601	2.0	0.43	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	97%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	96%	81-124%
2037-26-5	Toluene-D8	100%	102%	80-120%
460-00-4	4-Bromofluorobenzene	94%	101%	80-120%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	JC50497-12	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B74891.D	10	09/14/17 12:22	HT	n/a	n/a	V4B3073
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1510	5.0	1.7	ug/l	
108-88-3	Toluene	111	10	2.5	ug/l	
100-41-4	Ethylbenzene	127	10	2.2	ug/l	
1330-20-7	Xylene (total)	427	10	2.2	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		81-124%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19		
Lab Sample ID:	JC50497-13	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B74907.D	1	09/14/17 19:59	HT	n/a	n/a	V4B3073
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	41.0	0.50	0.17	ug/l	
108-88-3	Toluene	10.1	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	21.7	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	42.6	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		81-124%
2037-26-5	Toluene-D8	111%		80-120%
460-00-4	4-Bromofluorobenzene	92%		80-120%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20		
Lab Sample ID:	JC50497-14	**Date Sampled:**	09/07/17
Matrix:	AQ - Ground Water	**Date Received:**	09/08/17
Method:	SW846 8260C	**Percent Solids:**	n/a
Project:	GESNYPV: 17-EMW, 304 Columbia Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B74893.D	1	09/14/17 13:18	HT	n/a	n/a	V4B3073
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics, MTBE

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	2.4	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.3	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	110%		81-124%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	102%		80-120%

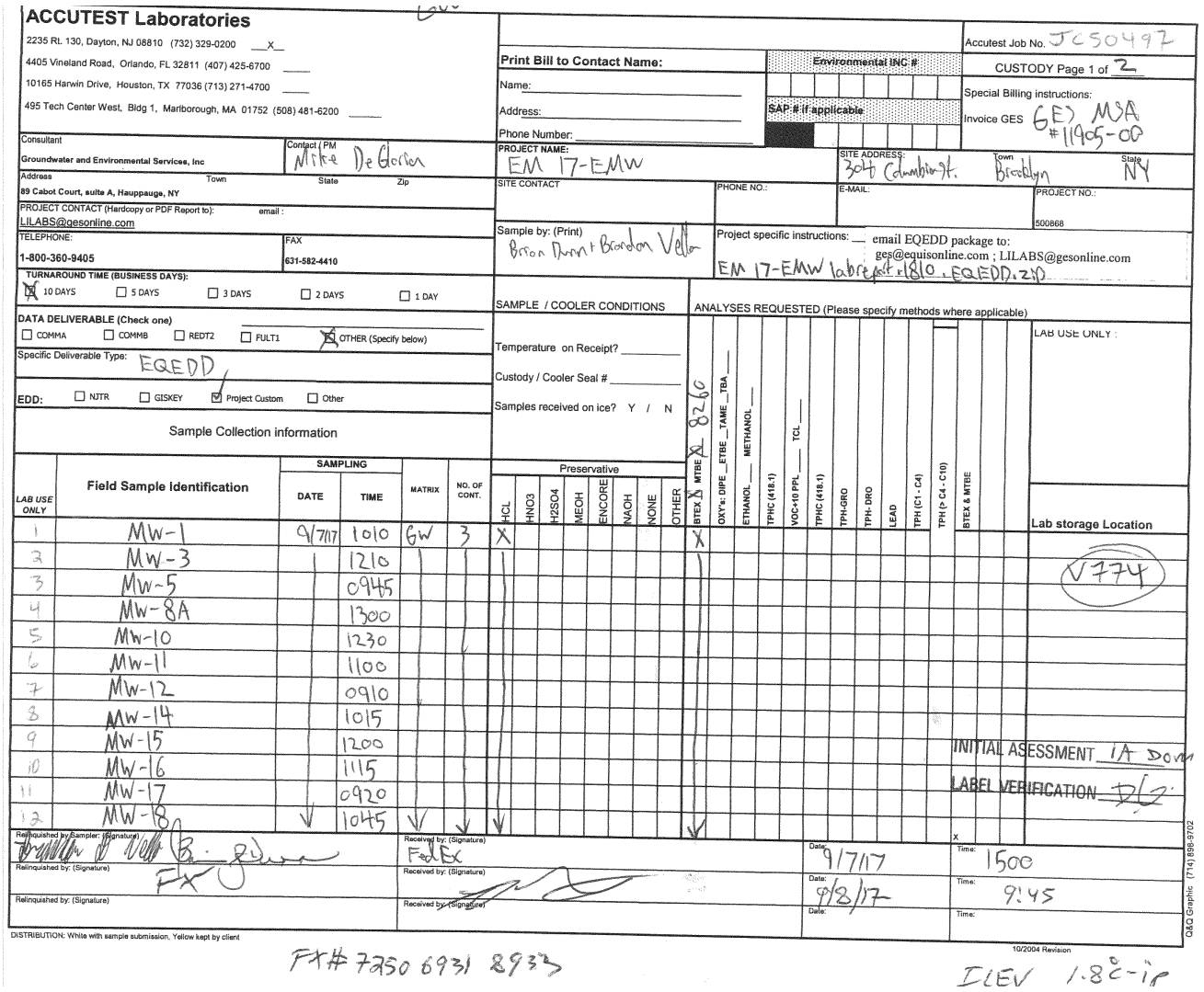
ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



ACCUTEST Laboratories

2235 Rt. 130, Dayton, NJ 08810 (732) 329-0200 X
4405 Vineland Road, Orlando, FL 32811 (407) 425-6700
10165 Harwin Drive, Houston, TX 77036 (713) 271-4700
495 Tech Center West, Bldg 1, Marlborough, MA 01752 (508) 481-6200

Accutest Job No. JC50497
CUSTODY Page 1 of 2

Print Bill to Contact Name:
Name:
Address:
Phone Number:
Environmental INC #
SAP # if applicable
Special Billing instructions:
Invoice GES GES MSA #11905-00

Consultant: Groundwater and Environmental Services, Inc
Contact / PM: Mike DeGorter
Address: 89 Cabot Court, suite A, Hauppauge, NY
PROJECT CONTACT (Hardcopy or PDF Report to): email : LILABS@gesonline.com
TELEPHONE: 1-800-360-9405
FAX: 631-582-4410

PROJECT NAME: EM 17-EMW
SITE ADDRESS: 304 Columbia St. Town: Brooklyn State: NY
SITE CONTACT
PHONE NO.:
E-MAIL:
PROJECT NO.: 500868

Sample by: (Print) Brian Durnt Brandon Vella

Project specific instructions: email EQEDD package to: ges@equisonline.com ; LILABS@gesonline.com
EM 17-EMW labreport#1810 - EQEDD.zip

TURNAROUND TIME (BUSINESS DAYS): [X] 10 DAYS [ ] 5 DAYS [ ] 3 DAYS [ ] 2 DAYS [ ] 1 DAY

DATA DELIVERABLE (Check one): [ ] COMMA [ ] COMMB [ ] REDT2 [ ] FULT1 [X] OTHER (Specify below)
Specific Deliverable Type: EQEDD
EDD: [ ] NJTR [ ] GISKEY [✓] Project Custom [ ] Other

SAMPLE / COOLER CONDITIONS
Temperature on Receipt? 82.6
Custody / Cooler Seal #
Samples received on ice? Y / N

ANALYSES REQUESTED (Please specify methods where applicable)

Sample Collection information

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Preservative: HCL	HNO3	H2SO4	MEOH	ENCORE	NAOH	NONE	OTHER	BTEX & MTBE	OXY's: DIPE _ ETBE _ TAME _ TBA	ETHANOL	METHANOL	TPHC (418.1)	VOC+10 PPL	TCL	TPHC (418.1)	TPH-GRO	TPH- DRO	LEAD	TPH (C1 - C4)	TPH (> C4 - C10)	BTEX & MTBE
1	MW-1	9/7/17	1010	GW	3	X								X													
2	MW-3		1210																								
3	MW-5		0945																								
4	MW-8A		1300																								
5	MW-10		1230																								
6	MW-11		1100																								
7	MW-12		0910																								
8	MW-14		1015																								
9	MW-15		1200																								
10	MW-16		1115																								
11	MW-17		0920																								
12	MW-18		1045																								

LAB USE ONLY
Lab storage Location: V774
INITIAL ASSESSMENT IA DOM
LABEL VERIFICATION DLG

Relinquished by Sampler: (Signature)	Received by: (Signature) FedEx	Date: 9/7/17	Time: 1500
Relinquished by: (Signature) FX	Received by: (Signature)	Date: 9/8/17	Time: 9:45
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

DISTRIBUTION: White with sample submission, Yellow kept by client

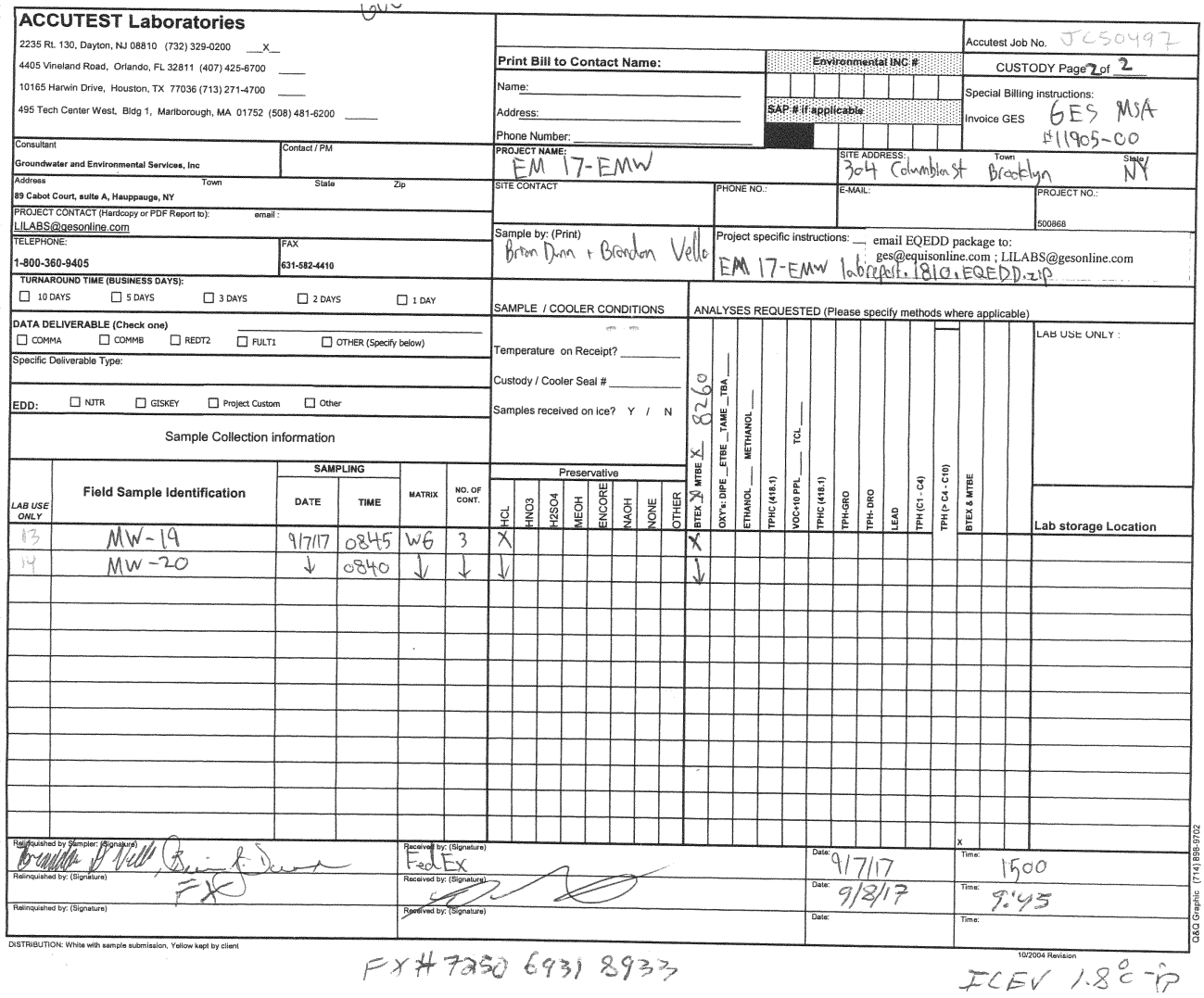
10/2004 Revision

Q&Q Graphic (714) 898-9702

FX# 7750 6931 8933

DLEV 1.8°C-ip

JC50497: Chain of Custody
Page 1 of 3



ACCUTEST Laboratories

2235 Rt. 130, Dayton, NJ 08810 (732) 329-0200 X
4405 Vineland Road, Orlando, FL 32811 (407) 425-6700
10165 Harwin Drive, Houston, TX 77036 (713) 271-4700
495 Tech Center West, Bldg 1, Marlborough, MA 01752 (508) 481-6200

Accutest Job No. JC50497
CUSTODY Page 2 of 2
Special Billing instructions: GES MSA #11905-CO
Invoice GES

Print Bill to Contact Name:
Name:
Address:
Phone Number:
Environmental INC #
SAP # if applicable

Consultant: Groundwater and Environmental Services, Inc
Contact / PM
Address: 89 Cabot Court, suite A, Hauppauge, NY
Town / State / Zip
PROJECT CONTACT (Hardcopy or PDF Report to): email : LILABS@gesonline.com
TELEPHONE: 1-800-360-9405
FAX: 631-582-4410

PROJECT NAME: EM 17-EMW
SITE ADDRESS: 304 Columbia St Town: Brooklyn State: NY
SITE CONTACT
PHONE NO.:
E-MAIL:
PROJECT NO.: 500868

Sample by: (Print) Brian Dunn + Brandon Vella

Project specific instructions: email EQEDD package to: ges@equisonline.com ; LILABS@gesonline.com
EM 17-EMW labreport, 1810, EQEDD.zip

TURNAROUND TIME (BUSINESS DAYS): 10 DAYS | 5 DAYS | 3 DAYS | 2 DAYS | 1 DAY

DATA DELIVERABLE (Check one): COMMA | COMMB | REDT2 | FULT1 | OTHER (Specify below)
Specific Deliverable Type:
EDD: NJTR | GISKEY | Project Custom | Other

SAMPLE / COOLER CONDITIONS
Temperature on Receipt?
Custody / Cooler Seal #
Samples received on ice? Y / N

ANALYSES REQUESTED (Please specify methods where applicable)
BTEX + MTBE 8260
OXY's: DIPE__ETBE__TAME__TBA__
ETHANOL__ METHANOL__
TPHC (418.1)
VOC<10 PPL__ TCL__
TPHC (418.1)
TPH-GRO
TPH- DRO
LEAD
TPH (C1 - C4)
TPH (> C4 - C10)
BTEX & MTBE

LAB USE ONLY :

Sample Collection information

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Preservative: HCL	HNO3	H2SO4	MEOH	ENCORE	NAOH	NONE	OTHER	BTEX + MTBE	Lab storage Location
13	MW-19	9/7/17	0845	WG	3	X								X	
14	MW-20	↓	0840	↓	↓	↓								↓	

Relinquished by Sampler: (Signature) Brandon Vella, Brian Dunn — Received by: (Signature) FedEx — Date: 9/7/17 — Time: 1500
Relinquished by: (Signature) FX — Received by: (Signature) — Date: 9/8/17 — Time: 9:45
Relinquished by: (Signature) — Received by: (Signature) — Date: — Time:

DISTRIBUTION: White with sample submission, Yellow kept by client

10/2004 Revision

Q&Q Graphic (714) 898-9702

FX # 7750 6931 8933

ICEV 1.8°C -IP

JC50497: Chain of Custody
Page 2 of 3

SGS Accutest Sample Receipt Summary

Job Number: JC50497 **Client:** _____ **Project:** _____

Date / Time Received: 9/8/2017 9:45:00 AM **Delivery Method:** _____ **Airbill #'s:** _____

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.0);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

SM089-02
Rev. Date 12/1/16

JC50497: Chain of Custody
Page 3 of 3