March 31, 2019

Mr. Jonathan Kolleeny New York State Environmental Conservation Division of Environmental Remediation, Region 2 47-40 21st Street Long Island City, New York 11101

Re: Citgo Service Station NYSDEC Spill # 95-06588 169 3rd Avenue Brooklyn, New York

Dear Mr. Kolleeny:

This correspondence is a summary of quarterly activities conducted by Berninger Environmental (BEI) at the Citgo Service Station site located at 169 3rd Avenue, Brooklyn, New York (area & site map included). The quarterly sampling activities were conducted on March 12th, 2019 and included well gauging to record depth to groundwater, any product thicknesses, well sampling and testing. Also while on site, BEI personnel checked the oxygen emitter vessels installed in wells EW-3 and EW-4 for operation and remaining pressure in the oxygen tanks. Well EW-1 is no longer being sampled and well EW-2 was blocked by construction during this event and could not be gauged. Sampling also included dissolved oxygen readings of each well and is provided in our quarterly report. Additionally, wells MW-2 and MW-4 could not be sampled as they have been cemented over.

On a separate site visit a survey was performed to determine the direction of groundwater flow, in which we then developed a site map with the flow direction along with the groundwater gauging data and water table elevations. Based on that survey the contours indicate that the groundwater flow direction is in a southeasterly direction. As per our meeting in March 2010, BEI informed the Department that we would start monitoring and sampling the emitter wells on a quarterly basis.

Quarterly Monitoring

Each quarterly monitoring period will now be a separate report. BEI conducted the latest monitoring event on March 12, 2019 which included the following activities:

- Measure for floating product;
- Measurements of water table elevation;
- Purging and sampling of eleven on-site groundwater monitoring wells;
- Dissolved Oxygen measurements;
- Cleaning and maintenance of emitter vessel; and
- Preparation of summary report.

At the time of the sampling, depth to groundwater across the subject property was measured between 12.68 ft. and 13.21 ft. bgs. As indicated in the attached Table 1, no floating product was detected in any of the remaining four(4) groundwater monitoring wells sampled, nor has any floating product been detected since BEI became involved with this project in 2008. The water table elevation measurements were used to prepare the site specific Ground-water Flow Map (Figure 2). Based upon prior site data and our current survey data using all wells, the groundwater flow direction is southeasterly.

Dissolved Oxygen

Dissolved oxygen (D.O.) was recorded at each emitter well location to determine the effectiveness of the emitter vessels installed in EW-3 and EW-4 (Table 1). D.O. measurements of the emitter wells ranged from 13.20 mg/l in EW-3 to 16.32 mg/l in EW-4. D.O. readings for the other two (2) monitoring wells ranged from 2.11 in MW- to 2.28 in MW-3. No oxygen tanks were replaced during this site visit. Overall groundwater oxygen levels are slightly higher than if no emitter was used as a remedial effort.

New Monitoring Well Installation

On June 20th, 2017, BEI installed a monitoring well on the west side of 3rd avenue, in the sidewalk in front of 170 3rd Avenue, Brooklyn. This monitoring well was installed across the street from the ten original monitoring wells at the subject site, Citgo Station 169 3rd Avenue, Brooklyn. This monitoring well, MW-1B, has a depth of 20 feet, with 10 feet of PVC riser and 10 feet of slotted screen. On January 30th, 2019 an additional four(4) wells were installed at the 170 3rd Avenue site and labeled MW-2B through MW-5B. The new wells have a depth of 18 feet, with 13 feet of PVC riser and 5 feet of slotted screen. From this event forward, all sampling and monitoring for the 156-70 3rd Avenue site will be submitted as a separate report.

Groundwater Sampling

Subsequent to the recording of groundwater measurements, the remaining two (2) monitoring wells and two (2) emitter wells were adequately purged and sampled for petroleum related VOCs. The samples were analyzed by American Analytical Laboratories, a NYSDOH-ELAP certified laboratory under appropriate chain of custody protocols. Laboratory data summary sheets are provided as an attachment.

The results of the laboratory analysis were compared to NYSDEC Class GA Groundwater Standards and Guidance Values (SGVs) set forth in the Division of Water Technical and operational Guidance Series (TOGS) No. 1.1.1 reissued June 1998, addenda April 2000 and June 2004. Results from the March 12, 2019 sampling event are summarized in Table 2 and reports that gasoline-related VOCs at one (1) of the four (4) wells sampled is above Standard Guidance Values (SGVs). Results from this sampling event reports non-detect or extremely minor concentrations of gasoline-related VOCs at the remaining three (3) wells sampled.

Wells continue to show decreases in concentrations with some minor fluctuations due to the rise and fall of groundwater. This allows the remedial equipment to address these areas during the seasonal changes. Well MW-1 exhibited extremely minor detections during this Quarter's sampling event while well MW-3 has again shown another decreases in concentrations. Well EW-3 has now decreased to non-detect concentrations and well EW-4 remains with non-detect readings. The source of the VOCs is suspected to be from the former tanks at the site. BEI will continue to monitor all wells until a decision is made regarding spill closure of the site.

After examining the well sampling results for this quarter's event, only well MW-3 is exhibiting very low MtBE concentrations at 2 ppb. The remaining three (3) wells sampled this quarter exhibited non-detect readings for MtBE during this sampling event.

Conclusions

Based upon the results of the March 12th, 2019 quarterly groundwater sampling event, BEI offers the following conclusions:

- VOC and MtBE concentrations are at non-detect concentrations for all but two (2) of the remaining monitoring wells sampled.
- Groundwater levels have increased at all monitoring wells during this quarter. No oxygen tanks were replaced during this visit.

Recommendations

- Based on the latest monitoring event and results of the recent laboratory data, the few remaining minor concentrations in the groundwater have continued a downward trend and only three remaining wells exhibit minor detections above standards. The remaining constituents at the subject site are expected to naturally attenuate over time and it is BEI's belief that this site no longer poses any potential threat to human health or the environment in it's current condition
- **BEI is currently requesting a spill closure of the NYSDEC Spill # 95-06588 at 169 3rd Avenue, Brooklyn.** We would like to focus our remedial efforts on NYSDEC Spill # 96-07280 located across the street at 156-170 3rdAve, Brooklyn, NY.

Based upon the above, BEI requests your review and consideration for site closure. Should you have any questions or concerns, please do not hesitate to contact me.

Sincerely, *Berninger Environmental*

Justin Halpin

Justin Halpin Project Manager/Scientist

Alicia Patti

Alicia Patti Geologist

Table 1MONITORING WELL MEASUREMENTS169 3rd AvenueSpill #95-06588Brooklyn, NY

March 12, 2019

Well No.	DTW	DTP	Tank Psi	Dissolved Oxygen
EW-2	Blocked		NA	NA
EW-3	12.98		200	13.20
EW-4	12.68		700	16.32
MW-1	12.55			2.11
MW-3	13.06			2.28

Abbreviation Key								
DTW - Depth to Water from Casing (ft)	D - Dry	V - Disabled Vehicle over Well						
DTP - Depth to Product from Casing (ft)	C - Cannot Locate	R - Recovery Pump in Well						
PT - Product Thickness (ft)	G - Gone / Destroyed							
T - Trace Product	n/d - non-detect							
1 110001100000								

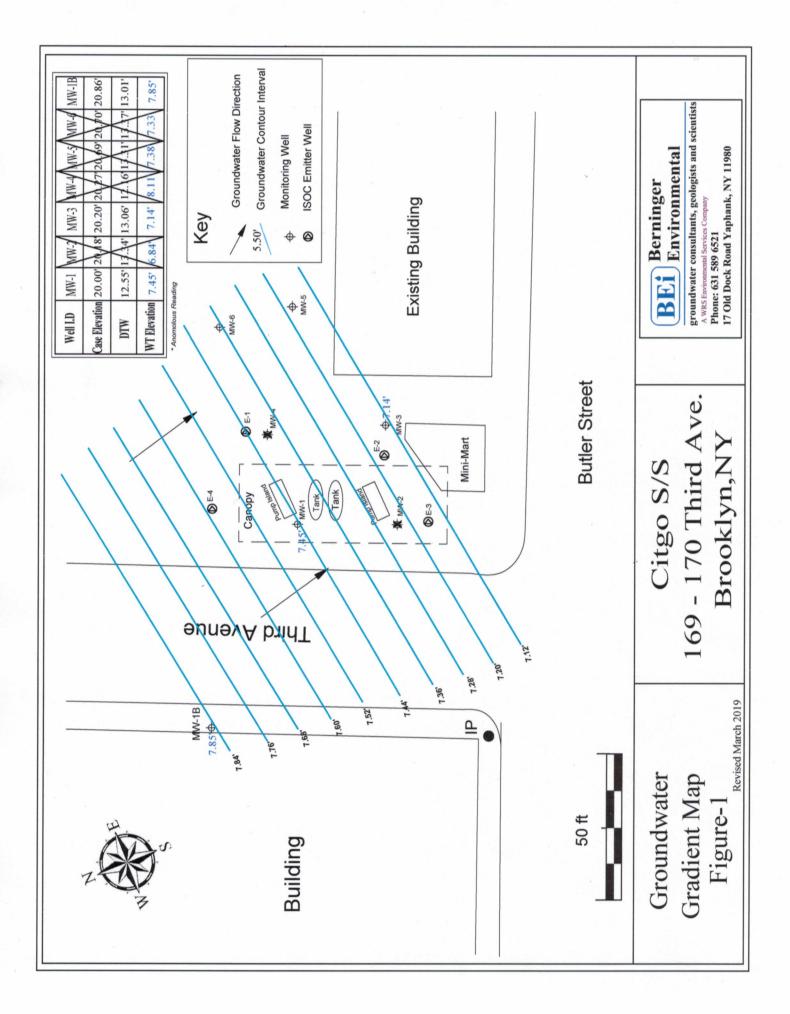


Table 2 Quarterly Sampling Results Citgo S/S SPILL #95-06588 169 3rd Ave., Brooklyn, NY As of March 2019

LTS SHOWN IN ppb (parts per billion M W -1 BTEX M tO E M W -4 TetalVOCs BTEX NIBE DTW n/d Covered with new concrete 13.21 n/d ember 2018 13.46 n/d ember 2018 Covered with new concrete 1 pt 2018 13.43 n /d n/d n/d ept 2018 Covered with oncrete ne 2018 Irch 2018 Cember 201 ne 2018 rch 2018 cember 2017 12.13 12.16 1 n/d n/d pt 2017 14.20 2 <1 ept 2017 15.00 2 ne 2017 15.60 9 11 une 2017 14.05 14 1 arch 2017 14.72 . 5 n/d arch 2017 15.64 a/d 1 cember 2016 pt 2016 1e 2106 14.40 n/d n/d n/d cember 2016 pt 2016 no 2016 15.21 n/d n/d arch 2016 n/d n/d n/d rch 2016 14.24 n/d 15.05 • 1 • 1 cember 2015 pt 2015 14.70 n/d 29 n/d ecember 2015 ept 2015 15.24 n/d ne 2015 14.54 1 n/d une 2015 15.39 n/d 2 arch 2015 ecember 2014 apt 2014 ane 2014 15.36 15.27 14.86 n/d n/d n/d 14.50 14.40 14.31 n/d n/d n/d ch 2015 3 12014 n /d n/d une 2014 ue to asphalte over well due to asphalte rch 2013 13.87 n/d rch 2013 14.36 ecember 2013 15.00 n/d ecember 2013 15.49 2 3 pt 2013 ne 2013 14.69 ept 2013 15.27 n/d n/d 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n/d=non detect n/s=not sampled

16.51

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15.99

15.71 15.81 15.34 15.52 2

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Table 2 Quarterly Sampling Results Citgo S/S SPILL #95-06588 169 3rd Ave., Brooklyn, NY As of March 2019

EW-1	DTW	Total VOCs	BTEX	MtBE
March 2019	-	ns	ns	ns
December 2018	-	ns	ns	ns
Sept 2018	11.14	ns	ns	ns
June 2018	11.72	<1	n/d	<1
March 2018 December 2017	14.31 14.35	n/d 1	n/d n/d	n/d
Sept 2017	14.35	1	n/d	1
June 2017	13.25	2	<1	1
March 2017	14.95	1	n/d	1
December 2016	15.42	1	n/d	1
Sept 2016	14.46	n/d	n/d	n/d
June 2016	14.20	1	n/d	1
March 2016	14.20	1	n/d	1
December 2015	14.57	1	n/d	1
Sept 2015	15.00	1	n/d	1
June 2015 March 2015	14.63 14.60	1	n/d n/d	1
December 2014	14.60	<1	n/d	<1
Sept 2014	14.12	1	n/d	1
June 2014		ns	due to asphalted	over wells
March 2014	13.62	1	n/d	1
December 2013	14.60	1	1	n/d
Sept 2013	14.56	1	n/d	1
June 2013	14.89	2	n/d	1
March 2013	15.16	n/d	n/d	1
December 2012	14.99	n/d	n/d	n/d
Sept 2012	14.43	2	n/d	n/d
June 2012 March 2012	14.26 14.34	1 2	n/d n/d	n/d 2
March 2012 December 2011	14.34	2	n/d n/d	1
Sept 2011	13.00	1	n/d	1
June 2011	13.90	2	n/d	2
March 2011	13.95	n/d	n/d	n/d
December 2010	15.30	8	n/d	8
Sept 2010	15.20	n/d	n/d	5
June 2010	15.26	n/d	n/d	n/d
March 2010	13.95	4	n/d	4
December 2009	14.99		ns	ns
August 2009	15.36 15.39		ns	ns
May 2009 February 2009	15.13		ns	ns
lebruary 2005				
November 2008			ns	
November 2008 August 2008	15.02		ns	ns
November 2008 August 2008 May 2008				
August 2008 May 2008	15.21 14.80		ns n/d	ns n/d
August 2008 May 2008 EW-2	15.21 14.80 DTW	Total VOCs	ns n/d BTEX	ns n/d MtBE
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EW-3	DTW	Total VOCs	BTEX	MtBE
March 2019	12.98	n/d	n/d	n/d
December 2018	13.05	1	<1	<1
Sept 2018	13.65	n/d	n/d	n/d
June 2018	11.41	112	78	n/d
March 2018	15.67	19	5	1
December 2017	15.71	7	3	1
Sept 2017	15.79	1	n/d	1
June 2017	15.15	2	<1	1
March 2017	15.86	3	1	1
December 2016	13.74	4	2	1
Sept 2016	16.32	34	21	1
June 2016	15.50	10	7	2
March 2016	15.62	9,240	5,850	2
December 2015	16.16	3,226	2,515	5
Sept 2015	16.69	34	23	n/d
June 2015	16.84	1	n/d	1
March 2015	15.96	29	14	1
December 2014	15.90	4	<1	1
Sept 2014	14.20	24	19	2
June 2014	44.10	ns	due to asphalted	
March 2014	14.13	73	40	1
December 2013	15.99	1	1	n/d
Sept 2013	15.86	n/d	n/d	n/d
June 2013	16.52	<1	n/d	<1
March 2013	14.97	96	58	1
December 2012	15.12	n/d	n/d	n/d
Sept 2012	13.71	n/d	n/d	n/d
June 2012	13.06	113	107	n/d 1
March 2012	13.38	1	n/d	
December 2011	13.49	19	15	<1
Sept 2011	12.26	1	n/d	1
June 2011 March 2011	12.50		15	
March 2011	13.85	67 9	22 p/d	n/d 8
December 2010 Sent 2010	16.00 15.40	9 n/d	n/d n/d	5
Sept 2010 June 2010	15.40	n/d 35	n/d 12	5 n/d
March 2010	13.85	35	342	9
December 2009	15.66	310		
	13.93		ns	ns
August 2009 May 2009	13.93		ns	ns ns
February 2009	16.97		ns	ns
November 2008	14.02		ns	ns
August 2008	15.24		ns	ns
	15.24 13.18		ns 17	ns 12
		Total VOCs		
May 2008 EW-4	13.18	Total VOCs n/d	17	12
August 2008 May 2008 EW-4 March 2019 December 2018	13.18 DTW		17 BTEX	12 MtBE
May 2008 EW-4 March 2019 December 2018	13.18 DTW 12.68	n/d	17 BTEX n/d	12 MtBE n/d
EW-4 EW-4 March 2019 December 2018 Sept 2018	13.18 DTW 12.68 12.87	n/d n/d n/d n/d	17 BTEX n/d n/d n/d n/d	12 MtBE n/d n/d
EW-4 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018	13.18 DTW 12.68 12.87 13.29	n/d n/d n/d	17 BTEX n/d n/d n/d	12 MtBE n/d n/d
EW-4 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018	13.18 DTW 12.68 12.87 13.29 11.12	n/d n/d n/d n/d	17 BTEX n/d n/d n/d n/d	12 MtBE n/d n/d n/d n/d
EW-4 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018 December 2017	13.18 DTW 12.68 12.87 13.29 11.12 14.21	n/d n/d n/d n/d	17 BTEX n/d n/d n/d n/d	12 n/d n/d n/d n/d n/d
May 2008 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018 December 2017 Sept 2017 June 2017	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.27 14.34 14.06	n/d n/d n/d n/d 3 2 1	17 BTEX n/d n/d n/d n/d 2 2 1	12 MtBE n/d n/d n/d n/d <1
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May 2008 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018 December 2017 June 2017 March 2017 December 2016	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.21 14.27 14.34 14.06 15.30 13.47 13.57	n/d n/d n/d n/d 3 2 1 5	17 BTEX n/d n/d n/d n/d 2 2 1 3	12 MtBE n/d n/d n/d n/d <1 <1 n/d 1
Hay 2008 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018 December 2017 Sept 2017 June 2017 March 2017 December 2017 December 2016 Sept 2016 June 2016	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.21 14.27 14.34 14.06 15.30 13.47 13.57 13.37	n/d n/d n/d 3 2 1 5 n/d 1 n/d	17 BTEX n/d n/d n/d 2 2 1 3 n/d 1 n/d 1 n/d	12 MtBE n/d n/d n/d n/d <1 n/d 1 n/d <1 n/d 1 n/d
May 2008 EW-4 March 2019 December 2018 June 2018 March 2018 December 2017 Sept 2017 June 2017 March 2017 December 2017 Sept 2017 June 2016 Sept 2016 June 2016 March 2016 March 2016	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.21 14.27 14.34 14.06 15.30 13.47 13.57 13.37 13.19	n/d n/d n/d 3 2 1 5 n/d 1 5 2 2 2 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2	17 BTEX n/d n/d n/d 2 2 1 3 n/d 1 3 n/d 1 1 1 1 1 1	12 MtBE n/d n/d n/d n/d <1 <1 n/d 1 n/d <1 n/d n/d n/d n/d n/d n/d n/d n/d
May 2008 EW-4 March 2019 December 2018 Sept 2018 June 2018 March 2018 December 2017 June 2017 March 2017 December 2016 Sept 2016 June 2016 March 2016	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.21 14.27 14.34 14.06 15.30 13.47 13.57 13.37 13.19 13.59	n/d n/d n/d 3 2 1 5 n/d 1 1 7 5 7 // 4 27 <1	17 BTEX n/d n/d n/d 2 2 1 3 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d	12 Mt8E n/d n/d n/d n/d c1 c1 n/d 1 n/d 1 n/d n/d n/d n/d n/d n/d n/d
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Hay 2008 EW-4 March 2019 December 2018 June 2018 June 2018 June 2017 June 2016 Sept 2016 June 2016 March 2017 December 2016 Sept 2016 June 2015 Sept 2015 June 2015 March 2015	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.27 14.34 14.06 15.30 13.47 13.57 13.37 13.59 15.27 11.39 13.60	n/d n/d n/d 3 2 1 5 n/d 2 7 <1 3 0 /d 1 1 1 1 1 1 1 3 1 1 1 3 1 1 1 1 1 1	17 BTEX n/d n/d n/d 2 2 1 3 n/d 1 1 n/d n/d 1 n/d n/d n/d n/d n/d n/d n/d n/d	12 MtBE n/d n/d n/d n/d <1 <1 n/d 1 n/d <1 n/d 1 n/d 1 n/d 1 1 n/d 1 1 n/d 1 1 n/d 1 1 1 1 1 1 1 1 1 1 1 1 1
May 2008 EW-4 March 2019 December 2018 Sept 2018 March 2018 March 2018 December 2017 June 2017 December 2016 March 2016 December 2015 Sept 2015 June 2015 December 2014	13.18 DTW 12.68 12.87 13.29 11.12 14.21 14.27 14.27 14.34 14.06 15.30 13.47 13.57 13.37 13.59 15.27 11.39 13.60 13.45	n/d n/d n/d 3 2 1 5 n/d 27 <1 3 n/d 1 1 n/d 1 1 3 n/d 1 1	17 BTEX n/d n/d n/d 2 2 1 3 n/d 1 n/d 1 n/d 2 2 1 3 n/d 1 1 n/d n/d 1 n/d 1 n/d n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d n/d n/d n/d 1 n/d n/d n/d n/d n/d n/d n/d n/d	12 MtBE n/d n/d n/d n/d <1 <1 <1 n/d <1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 n/d 1 1 n/d 1 1 1 1 1 1 1 1 1 1 1 1 1
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May 2008 EW-4 EW-4 March 2019 December 2018 Sept 2018 March 2018 March 2017 June 2017 March 2017 December 2016 Sept 2017 March 2017 December 2016 March 2016 December 2015 Sept 2015 June 2015 December 2015 December 2015 December 2014 June 2015 December 2014 December 2013 Sept 2014 December 2013 Sept 2014 December 2013 March 2013 December 2014 December 2013 March 2013 March 2013 December 2014 December 2013 Sept 2014 June 2014 December 2013 December 2014 December 2013 December 2014 December 2014 December 2014 December 2013 December 2014 June 2011 June 2011 June 2011 June 2011 December 2010 Sept 2010 Sept 2010 December 2009 August 2009 Nevember 2008	13.18 DTW 12.68 12.87 13.29 14.21 14.21 14.21 14.21 14.23 14.40 15.30 13.47 13.59 15.27 13.39 15.27 13.59 15.27 13.39 15.27 13.39 15.27 13.39 15.27 13.39 15.27 13.39 15.27 13.39 15.27 13.59 15.27 13.59 15.27 13.59 15.28 13.45 13.45 13.45 13.45 13.45 13.45 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.27 13.59 15.28 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.55 13.25 13.25 13.25 13.25 13.55 15	n/d n/d n/d n/d n/d n/d 1 5 n/d 1 n/d 3 n/d 1 n/d 5 1 n/d 1 n/d n/d 1 n/d n/d	17 BTEX n/d n/d n/d n/d 2 2 1 3	12 MtBE n/d n/d n/d n/d 1 n/d n/d 1 n/d n/d n/d n/d n/d n/d n/d n/d
May 2008 EW-4 EW-4 March 2019 December 2018 Sept 2018 June 2018 June 2017 March 2017 March 2017 March 2017 June 2016 Sept 2017 June 2016 Sept 2017 June 2015 June 2015 December 2014 June 2014 March 2013 Sept 2013 Sept 2013 Sept 2013 Sept 2013 Sept 2012 June 2014 March 2013 December 2013 Sept 2012 June 2012 Sept 2012 June 2011 Sept 2011 December 2011 Sept 2011 December 2013 Sept 2012 June 2011 Sept 2012 December 2013 Sept 2012 June 2014 Sept 2012 December 2013 Sept 2012 June 2014 Sept 2012 December 2013 Sept 2012 June 2014 Sept 2012 December 2012 Sept 2012 June 2011 December 2014 December 2010 Sept 2011 December 2010 Sept 2010 December 2009 August 2009 February 2009 February 2009	13.18 DTW 12.68 12.87 13.29 14.21 14.21 14.21 14.21 14.27 14.34 15.30 13.47 13.37 13.19 13.59 13.67 13.65 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.45 13.50 13.22 8.10 13.57 15.58 13.18 13.18 13.18 13.18 13.19 13.59 13.57 15.57 13.57 15.57 13.57 15.57 13.57 13.57 15.57 13.57 15.57 13.57 15.57 13.57 13.57 13.57 15.57 13.57 15.58 14.96 15.57 15.57 15.58 15.57 15.58 15.57 15.58 15.57 15.58 15.57 15.58 15.57 15.58 15.57 15.58 15.58 15.57 15.58 15.57 15.58 15.58 15.57 15.58 15.58 15.57 15.58 15.58 15.57 15.58 15.58 15.57 15.58 15.57 15.57 15.58 15.57 15.58 15.57 15.58 15.57 15.58 15.58 15.57 15.58 15.	n/d n/d n/d n/d n/d n/d 1 5 n/d 1 n/d 3 n/d 1 n/d 5 1 n/d 1 n/d n/d 1 n/d n/d	17 BTEX n/d n/d n/d n/d 2 2 3 1 3 n/d 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12 MtBE n/d n/d n/d n/d n/d 1 n/d 1 n/d n/d n/d 1 n/d 1 n/d n/d 1 n/d n/d n/d n/d n/d n/d n/d n/d

n/d=non detect n/s=not sampled



March 19, 2019

Justin Halpin WRS d.b.a Berninger Environmental 17 Old Dock Road Yaphank, NY 11980 TEL: (631) 589-6521 FAX (631) 589-6528

RE: Northland; 169-170 3rd Avenue, Brooklyn,

Order No.: 1903071

Dear Justin Halpin:

American Analytical Laboratories, LLC. received 9 sample(s) on 3/12/2019 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

You Beyer

Lori Beyer Lab Director American Analytical Laboratories, LLC.



1903071-009A EW-4

American Analytical Laboratories, LLC. 56 Toledo Street Farmingdale, New York 11735 TEL: (631) 454-6100 FAX: (631) 454-8027 Website: www.American-Analytical.com

3/12/2019 11:10:00 AM

Workorder Sample Summary

WO#: **1903071** *19-Mar-19*

> Matrix Liquid Liquid Liquid Liquid Liquid Liquid

Liquid

Liquid

3/12/2019 2:00:00 PM

CLIENT:WRS d.b.a Berninger EnvironmentalProject:Northland; 169-170 3rd Avenue, Brooklyn, NY

	·····	,	J	
Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received
1903071-001A	MW-1		3/12/2019 10:15:00 AM	3/12/2019 2:00:00 PM
1903071-002A	MW-3		3/12/2019 10:30:00 AM	3/12/2019 2:00:00 PM
1903071-003A	MW-1B		3/12/2019 11:25:00 AM	3/12/2019 2:00:00 PM
1903071-004A	MW-2B		3/12/2019 11:45:00 AM	3/12/2019 2:00:00 PM
1903071-005A	MW-3B		3/12/2019 12:10:00 PM	3/12/2019 2:00:00 PM
1903071-006A	MW-4B		3/12/2019 12:30:00 PM	3/12/2019 2:00:00 PM
1903071-007A	MW-5B		3/12/2019 12:45:00 PM	3/12/2019 2:00:00 PM
1903071-008A	EW-3		3/12/2019 10:45:00 AM	3/12/2019 2:00:00 PM

I H	NJ DEP - NY050 CT DOH - PH-0205	Analytical Test / Information																				Comments / Remarks		els 107 1/120		Cooler Temp: 25 UC	PRINTED NAME	PRINTED NAME	
NA EI					-0-	لوں تب	nd] K.S	34 +	K I 0 9	N0 28	XX	XX	\checkmark	××	\star	XX	XX	XX	X			BLES	Residential	SCDOH Action Levels	TCLP Hazardous Waste	NYSDEC EQUIS	13/12/		
		Project Information	ail	no had the			P.	WW and	Sample Containers	Dot all	3	2	2	2	2	2	6	2	5 C			ELECTRONIC DELIVERABLES NYCRR Part 375 - niease rircle	Unres/ Comm/ Industrial/ Residential/ Res Residential/ PGW	NJ Soil Clean Up Criteria SCI	CP 51 - Gas / Fuel TCL	TOGS NYS	NAME RECEIVED BY LAB (SIGNATURE) date, and time.		
CUSTODY date NY 11735	121-4-202/ 1011cal.com		Project Name		Brankh	Project # / Purchase Order #	Sampler's Name / Company	-	Sample Collection	Date Time Class /	3/12/19 10:15 6	12/19 10:30 G	12 G 11: 25 G	Rha 11:45 G	inks 12: 10 G	10/10 11:30 G	12/45 12:45 G	12) co 10:45 C	12/19 11:10 G	-		MATRIX CODE	L = Liquid $PC = Paint Chip U$	SL = Sludge	SD = Solid	W = Wipe M = Misc T	each time samples change poss		
OF C treet, Farming	001-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		Pro	Street	Zip		San	San		Sample Matrix Code Type	6 2 3	C 1 3	G L 3	R L B	GLS	G L J	6 L 3	C L >	G L 3			SAMPLE TYPE	G = Grab L = I	C = Composite S = Soil	B = Blank 0 = Oil			1-	
26 Toledo S 26 Toledo S		Client Information		John Rol	State	H			Sample Information	Client Sample ID	Mw 1	Э	MUIB	3 C	30	48	SO	Em 3	7			(Business Days)	3 Day RUSH	2 Day RUSH	1 Day RUSH	h service availability	DATE 3/1/1/4 PRINTED	DATE	
AMERICAN ANALYICAN E SORVIORIES		3	company Name	Address 17 OV 1	City Japhanh	Contact /	Phone #	E-mail	LAB SAMPLE #	(LAB USE ONLY)	1903071-001	00	003	NN/	00V	300	ER :	l) I)	600 N			Standard	7-10 Business Days	5 Day RUSH	4 Day RUSH	Please point and the service availability	RELINCEISHED BY (SIGNATURE)	RELINGUISHED BY (SIGNATURE)	



Sample Log-In Check List

Client Name: Berninge	r	Work Order Number:	1903071		RcptNo:	1
Logged by: Lori Bey	er	3/12/2019 2:00:00 PM		You Beyer		
Completed By: Lori Bey	ər	3/12/2019 2:04:52 PM		Pori Berger Pori Berger Physeles n		
Completed by. Lon bey	51	J/12/2013 2.04.J2 1 W		an page		
Reviewed By: Phyllis N	lasi	3/12/2019		Phyllis n	nasi	
Chain of Custody						
1. Is Chain of Custody of			Yes 🖌	No 🗌	Not Present	
2. How was the sample	delivered?		<u>Client</u>			
<u>Log In</u>						
3. Coolers are present?			Yes 🖌	No 🗌	NA 🗌	
4. Shipping container/co	-		Yes 🗹	No 🗌		
Custody seals intact		/cooler?	Yes	No 🗔	Not Present 🗹	
No.	Seal Date:		Signed By: Yes	No 🗌	NA 🗌	
5. Was an attempt mad) { 	ies 💌			
6. Were all samples rec	eived at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗌	
7. Sample(s) in proper of	container(s)?		Yes 🔽	No 🗌		
8. Sufficient sample volu	ume for indicated tes	t(s)?	Yes 🗸	No 🗌		
9. Are samples (except	VOA and ONG) prop	erly preserved?	Yes 🖌	No		
10. Was preservative add	led to bottles?		Yes	No 🗹	NA 🗌	
11 . Is the headspace in the second	ne VOA vials less tha	an 1/4 inch or 6 mm?	Yes 🖌	No 🗌	No VOA Vials	
12. Were any sample cor	ntainers received bro	ken?	Yes	No 🔽		
13. Does paperwork mate	ch bottle labels?		Yes 🗹	No 🗌		
(Note discrepancies of				_		
14. Are matrices correctly		of Custody?	Yes 🗹	No 🗌		
15. Is it clear what analys			Yes 🗹	No		
16. Were all holding time (If no, notify custome			Yes 🖌	No		
Special Handling (if	,					
17. Was client notified of	•• •	h this order?	Yes	No 🗌	NA 🗹	
Person Notified:		Date				7
By Whom:		Via:		Phone 🗌 Fax	In Person	
Regarding:	1	vid.	eMail F			
Client Instruction	ns:					
18. Additional remarks:						
Cooler Information	nn OC Conditio	n Soal Intest See	No Seel D	oto Signad	By	
Cooler No Te	np ⁰C Conditio	n Seal Intact Seal	No Seal D	ate Signed	БУ	



Case Narrative

WO#: **1903071** Date: **3/19/2019**

CLIENT:WRS d.b.a Berninger EnvironmentalProject:Northland; 169-170 3rd Avenue, Brooklyn, NY

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion.

Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Limonene. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.



WO#: **1903071** Date: **3/19/2019**

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

- S Spike recovery is outside accepted recovery limits.
- R RPD is outside accepted recovery range.
- P Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

PQL - Practical Quantitation Limit; the lowest level that can be reliably achieved within the specific limits of Precision and accuracy. Listed on the QC Summary Forms.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-1
Lab Order:	1903071	Collection Date:	3/12/2019 10:15:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 82	60		SW8	260C	SW503	30C	Analyst: LA
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	3/13/2019 3:16:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Naphthalene	0.26	0.25	2.0	J	µg/L	1	3/13/2019 3:16:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:16:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	3/13/2019 3:16:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-3
Lab Order:	1903071	Collection Date:	3/12/2019 10:30:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-002A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8	3260		SW8	260C	SW50	30C	Analyst: LA
1,2,4-Trimethylbenzene	0.96	0.25	2.0	J	µg/L	1	3/13/2019 3:46:00 PM
1,3,5-Trimethylbenzene	1.5	0.25	2.0	J	µg/L	1	3/13/2019 3:46:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:46:00 PM
Benzene	39	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
Ethylbenzene	31	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
Isopropylbenzene	12	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
m,p-Xylene	4.0	0.50	4.0	J	µg/L	1	3/13/2019 3:46:00 PM
Methyl tert-butyl ether	2.1	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
n-Butylbenzene	7.6	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
n-Propylbenzene	17	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
Naphthalene	19	0.25	2.0		µg/L	1	3/13/2019 3:46:00 PM
o-Xylene	0.85	0.25	2.0	J	µg/L	1	3/13/2019 3:46:00 PM
sec-Butylbenzene	1.9	0.25	2.0	J	µg/L	1	3/13/2019 3:46:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 3:46:00 PM
Toluene	0.76	0.25	2.0	J	µg/L	1	3/13/2019 3:46:00 PM
Xylenes, Total	4.8	0.75	6.0	J	µg/L	1	3/13/2019 3:46:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-1B
Lab Order:	1903071	Collection Date:	3/12/2019 11:25:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8	260		SW8	3260C	SW5030	DC	Analyst: LA
1,2,4-Trimethylbenzene	6200	25	200	D	µg/L	100	3/14/2019 7:30:00 PM
1,3,5-Trimethylbenzene	2100	25	200	D	µg/L	100	3/14/2019 7:30:00 PM
4-Isopropyltoluene	78	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
Benzene	260	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
Ethylbenzene	1500	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
Isopropylbenzene	260	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
m,p-Xylene	8800	50	400	D	µg/L	100	3/14/2019 7:30:00 PM
Methyl tert-butyl ether	ND	2.5	20	DU	µg/L	10	3/13/2019 4:16:00 PM
n-Butylbenzene	350	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
n-Propylbenzene	630	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
Naphthalene	760	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
o-Xylene	3600	25	200	D	µg/L	100	3/14/2019 7:30:00 PM
sec-Butylbenzene	120	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
tert-Butylbenzene	ND	2.5	20	DU	µg/L	10	3/13/2019 4:16:00 PM
Toluene	900	2.5	20	D	µg/L	10	3/13/2019 4:16:00 PM
Xylenes, Total	12000	75	600	D	µg/L	100	3/14/2019 7:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-2B
Lab Order:	1903071	Collection Date:	3/12/2019 11:45:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8	260		SW8	260C	SW5030	с	Analyst: LA
1,2,4-Trimethylbenzene	7500	25	200	D	µg/L	100	3/14/2019 8:00:00 PM
1,3,5-Trimethylbenzene	2400	25	200	D	µg/L	100	3/14/2019 8:00:00 PM
4-Isopropyltoluene	78	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
Benzene	730	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
Ethylbenzene	2400	25	200	D	µg/L	100	3/14/2019 8:00:00 PM
Isopropylbenzene	270	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
m,p-Xylene	9400	50	400	D	µg/L	100	3/14/2019 8:00:00 PM
Methyl tert-butyl ether	ND	2.5	20	DU	µg/L	10	3/13/2019 4:46:00 PM
n-Butylbenzene	470	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
n-Propylbenzene	970	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
Naphthalene	810	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
o-Xylene	3600	25	200	D	µg/L	100	3/14/2019 8:00:00 PM
sec-Butylbenzene	130	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
tert-Butylbenzene	ND	2.5	20	DU	µg/L	10	3/13/2019 4:46:00 PM
Toluene	1400	2.5	20	D	µg/L	10	3/13/2019 4:46:00 PM
Xylenes, Total	13000	75	600	D	µg/L	100	3/14/2019 8:00:00 PM

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CLIENT:

Lab Order: **Project:** Northland; 169-170 3rd Avenue, Brooklyn, NY Lab ID: 1903071-005A

Collection Date: 3/12/2019 12:10:00 PM Matrix: LIQUID

Date: 19-Mar-19

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8	260		SW8	260C	SW503	0C	Analyst: LA
1,2,4-Trimethylbenzene	1400	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
1,3,5-Trimethylbenzene	450	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
4-Isopropyltoluene	6.9	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
Benzene	210	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
Ethylbenzene	420	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
Isopropylbenzene	28	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
m,p-Xylene	2200	5.0	40	D	µg/L	10	3/14/2019 6:00:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/13/2019 5:16:00 PM
n-Butylbenzene	45	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
n-Propylbenzene	85	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
Naphthalene	150	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
o-Xylene	820	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
sec-Butylbenzene	9.5	0.25	2.0		µg/L	1	3/13/2019 5:16:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 5:16:00 PM
Toluene	190	2.5	20	D	µg/L	10	3/14/2019 6:00:00 PM
Xylenes, Total	3000	7.5	60	D	µg/L	10	3/14/2019 6:00:00 PM

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CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-4B
Lab Order:	1903071	Collection Date:	3/12/2019 12:30:00 PM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-006A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD	8260		SW8	260C	SW50	30C	Analyst: LA
1,2,4-Trimethylbenzene	2000	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
1,3,5-Trimethylbenzene	490	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
4-Isopropyltoluene	38	0.25	2.0		µg/L	1	3/13/2019 5:46:00 PM
Benzene	250	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
Ethylbenzene	1200	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
Isopropylbenzene	120	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
m,p-Xylene	4100	5.0	40	D	µg/L	10	3/14/2019 6:30:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/13/2019 5:46:00 PM
n-Butylbenzene	94	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
n-Propylbenzene	250	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
Naphthalene	330	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
o-Xylene	1100	2.5	20	D	µg/L	10	3/14/2019 6:30:00 PM
sec-Butylbenzene	67	0.25	2.0		µg/L	1	3/13/2019 5:46:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 5:46:00 PM
Toluene	88	0.25	2.0		µg/L	1	3/13/2019 5:46:00 PM
Xylenes, Total	5100	7.5	60	D	µg/L	10	3/14/2019 6:30:00 PM

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CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	MW-5B
Lab Order:	1903071	Collection Date:	3/12/2019 12:45:00 PM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-007A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 82	60		SW8	260C	SW50300	;	Analyst: LA
1,2,4-Trimethylbenzene	960	2.5	20	D	µg/L	10	3/14/2019 7:00:00 PM
1,3,5-Trimethylbenzene	230	2.5	20	D	µg/L	10	3/14/2019 7:00:00 PM
4-Isopropyltoluene	26	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
Benzene	8.8	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
Ethylbenzene	510	2.5	20	D	µg/L	10	3/14/2019 7:00:00 PM
Isopropylbenzene	99	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
m,p-Xylene	460	5.0	40	D	µg/L	10	3/14/2019 7:00:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/13/2019 6:16:00 PM
n-Butylbenzene	140	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
n-Propylbenzene	250	2.5	20	D	µg/L	10	3/14/2019 7:00:00 PM
Naphthalene	410	2.5	20	D	µg/L	10	3/14/2019 7:00:00 PM
o-Xylene	20	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
sec-Butylbenzene	39	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/13/2019 6:16:00 PM
Toluene	8.1	0.25	2.0		µg/L	1	3/13/2019 6:16:00 PM
Xylenes, Total	470	7.5	60	D	µg/L	10	3/14/2019 7:00:00 PM

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Original

Date: 19-Mar-19

CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	EW-3
Lab Order:	1903071	Collection Date:	3/12/2019 10:45:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-008A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 82	60		SW8	260C	SW503	0C	Analyst: LA
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	3/14/2019 4:59:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	3/14/2019 4:59:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	3/14/2019 4:59:00 PM

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CLIENT:	WRS d.b.a Berninger Environmental	Client Sample ID:	EW-4
Lab Order:	1903071	Collection Date:	3/12/2019 11:10:00 AM
Project:	Northland; 169-170 3rd Avenue, Brooklyn, NY	Matrix:	LIQUID
Lab ID:	1903071-009A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 82	260		SW8	260C	SW503	80C	Analyst: LA
1,2,4-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
1,3,5-Trimethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
4-Isopropyltoluene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Benzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Ethylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Isopropylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
m,p-Xylene	ND	0.50	4.0	U	µg/L	1	3/14/2019 5:29:00 PM
Methyl tert-butyl ether	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
n-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
n-Propylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Naphthalene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
o-Xylene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
sec-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
tert-Butylbenzene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Toluene	ND	0.25	2.0	U	µg/L	1	3/14/2019 5:29:00 PM
Xylenes, Total	ND	0.75	6.0	U	µg/L	1	3/14/2019 5:29:00 PM

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