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February 22, 2017

Project # 3023

Mr. John Hnat
Project Manager
Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
2300 N Martin Luther King, Jr. Drive
Milwaukee, WI 53212-3128

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FEB 28 2017

Initial: 

Subject: Shop Rite Grocery/Villard Foodtown
3217 W Villard Ave., Milwaukee, WI

FID # 241692110
BRRTS # 02-41-119925

Groundwater Quality/NR 700 Semiannual Progress Report

Dear John:

On behalf of Villard Foodtown, O M Enterprises, Inc. (OM) is submitting "Groundwater Quality/NR 700 Semiannual Progress Report" for the referenced site. The groundwater samples of seven monitoring wells, PZ-1, and PZ-2 were collected on February 11, 2017. Based on the groundwater quality data, O M believes that plume is stable and additional groundwater monitoring is not warranted.

Three monitoring wells are required to determine the flow of groundwater. Based on the groundwater elevation data of four monitoring wells (MW-1 through MW-4), installed between September 1991 and March 1993, the flow of groundwater was determined predominantly to the east. Therefore, we believe that an additional site survey of three groundwater monitoring wells (MW-5 through MW-7) and two piezometers (PZ-1 and PZ-2), installed in May 2016 is not warranted.

Site Location and Current Use

The property is bounded by West Villard Avenue to the north. A rail road borders the property to the east, northeast, and southeast. God's Anointed Ones Church is located to the west. Commercial properties are located to the west and southwest. The area of the property is approximately 56,296 square feet. Based on the city records, approximately 17,433 square feet gross area (16,400 square feet in use as supermarket/grocery store and 1,043 square feet in use as fast food without seating) is occupied by one-story brick building.

Previous Property Uses

1910	Lumber Company
1963	Construction of Existing Building For Food Store
1962-1976	Approximately 1,000 Sq. ft of Building (NE) Used as Coin Operated Laundry
1976	Dry Cleaning Operation Using perchloroethylene (tetrachloroethene)
1978	One Hour Fabricare Cleaners Concrete Sump Installed for Storing Spillage from Cleaning Machines Dry Cleaning Operation in a Type IV Non-transfer Permac Dry Cleaning Unit Dike Constructed Around Unit for Transfer of Used Solvent to Concrete Sump
1984	Discontinuation of Dry Cleaning Operation

Groundwater Quality

Nine monitoring wells (refer to Figure 1), installed for the site, were sampled on February 11, 2017. The chain of custody records and laboratory test results are included as Appendix A. Groundwater quality data are summarized in Table 1 A through Table 1 I. Groundwater quality data are described below.

Monitoring Well MW-1

- a) Benzene was detected below the detection limit in all eight rounds.
- b) Chlorodibromomethane was detected below the detection limit in all eight rounds.
- c) The concentration of DCE (cis 1, 2 Dichloroethene) ranged between 560 ppb (10/1/1991) and 2490 ppb (8/6/2016). The concentrations in the last two rounds ranged between 1870 ppb (11/6/2016) and 2300 ppb (2/11/2017). The concentration appears to be stable.
- d) Ethylbenzene was detected below the detection limit in all eight rounds.
- e) The concentration of PCE (Tetrachloroethene) ranged between 11800 ppb (2/11/2017) and 38000 ppb (4/14/1993). The concentration appears to be stable.
- f) Toluene was detected below the detection limit in the last five rounds.
- g) The concentration of TCE (Trichloroethylene) ranged 220 ppb (10/1/1991) and 3900 ppb (11/6/2016). It's concentration was detected at 3040 ppb (2/11/2017). The concentration appears to be stable.
- h) VC (Vinyl Chloride) was detected at 11 ppb, 33 ppb, 14 ppb, and 84 "J" ppb, 104 "J" ppb, 122 ppb, 34 ppb, and less than 64 "J" ppb, respectively.

- i) Xylenes were detected below the detection limits in all eight rounds.

Monitoring Well MW-2

Benzene, chlorodibromomethane, DCE, ethylbenzene, PCE, toluene, TCE, VC, and xylenes were not detected in six rounds of sampling.

Monitoring Well MW-3

- a) Benzene was detected below the detection limit in all seven rounds.
- b) Chlorodibromomethane was detected below the detection limit in all seven rounds.
- c) The concentration of DCE (cis 1, 2 Dichloroethene) ranged between 5.90 ppb (5/1/2016) and 190 ppb (5/19/1993). The concentrations in the last two rounds ranged between 10.2 ppb (2/11/2017) and 37 ppb (11/6/2016). The concentration appears to be stable.
- d) Ethylbenzene was detected below the detection limit in all seven rounds.
- e) The maximum concentration of PCE (Tetrachloroethene) was detected at 3.50 ppb on 8/6/2016 and 11/16/2016. The concentration appears to be stable.
- f) Toluene was detected below the detection limit in all seven rounds.
- g) The concentration of TCE (Trichloroethylene) was detected at 3.50 ppb and 2.45 ppb on 8/6/2016 and 11/16/2016, respectively. The concentration appears to be stable.
- h) The concentration of VC (Vinyl Chloride) ranged between 2.01 ppb (5/1/2016) and 12.60 ppb (2/11/2017).
- i) Xylenes were detected below the detection limits in all seven rounds.

Monitoring Well MW-4

- a) Benzene was detected below the detection limit in all seven rounds.
- b) Chlorodibromomethane was detected below the detection limit in all seven rounds.
- c) The concentration of DCE (cis 1, 2 Dichloroethene) ranged between 3.13 ppb (5/1/2016) and 1100 ppb (4/14/1993). The concentrations in the last two rounds ranged between 184 ppb (11/6/2016) and 370 ppb (2/11/2017). The concentration appears to be stable.
- d) Ethylbenzene was detected below the detection limit in all seven rounds.

- e) The concentration of PCE (Tetrachloroethene) ranged between 39 ppb (4/13/1995) ppb and 2900 ppb (4/14/1993). PCE was detected at 88 ppb on 2/11/17. The concentration appears to be stable.
- f) Toluene was detected below the detection limit in all seven rounds.
- g) The concentration of TCE (Trichloroethylene) ranged between 24.60 ppb (5/1/2016) and 440 ppb (4/14/1993). TCE was detected at 188 ppb on 2/11/2017. The concentration appears to be stable.
- h) The concentration of VC (Vinyl Chloride) ranged between 13.6 ppb (2/11/2017) and 107 ppb (8/6/2016).
- i) Xylenes were detected below the detection limits in all seven rounds.

Monitoring Well MW-5

Benzene, chlorodibromomethane, DCE, ethylbenzene, PCE, toluene, TCE, VC, and xylenes were not detected in two rounds of sampling.

Benzene, ethylbenzene, toluene, and xylenes were not detected on February 11, 2017.

Monitoring Well MW-6

Benzene, chlorodibromomethane, DCE, ethylbenzene, PCE, toluene, TCE, VC, and xylenes were not detected in two rounds of sampling.

Benzene, ethylbenzene, toluene, and xylenes were not detected on February 11, 2017.

Monitoring Well MW-7

Benzene, chlorodibromomethane, DCE, ethylbenzene, PCE, toluene, TCE, VC, and xylenes were not detected in all three rounds of sampling.

Monitoring Well PZ-1

- a) Benzene was detected below the detection limits in all four rounds.
- b) Chlorodibromomethane was detected below the detection limits in all four rounds.
- c) DCE (cis 1, 2 Dichloroethene) was detected as 84 ppb, 45 ppb, 22 ppb, and 21.6 ppb, respectively. The concentration is decreasing.

- d) Ethylbenzene was detected below the detection limits in all four rounds.
- e) PCE (Tetrachloroethene) was detected at 75 ppb, 43 ppb, 29.9 ppb, 21.1 ppb, respectively.
- f) Toluene was detected below the detection limit in all four rounds.
- g) TCE (Trichloroethylene) was detected at 20.20 ppb, 13.40 ppb, 9.00 ppb, and 7.50 ppb, respectively.
- h) VC (Vinyl Chloride) was not detected.
- i) Xylenes were detected below the detection limit in all four rounds.

Monitoring Well PZ-2

- a) Benzene was detected at less than 220 ppb, 88 ppb, 220 ppb, and 34 ppb, respectively.
- b) Chlorodibromomethane was detected at less than 225 ppb, 90 ppb, 225 ppb, and 62 ppb, respectively.
- c) DCE (cis 1, 2 Dichloroethene) was detected at less than 162 "J" in the last round.
- d) Ethylbenzene was detected at less than 40 ppb in the last round.
- e) PCE (Tetrachloroethene) was detected at 39000 ppb, 39000 ppb, and 44000 ppb, 41000 ppb, respectively.
- f) Toluene was detected at less than 220 ppb in the last round.
- g) TCE (Trichloroethylene) was detected at 2030 ppb in the last round.
- h) VC (Vinyl Chloride) was detected at less than 38 ppb in the last round.
- i) Xylenes were detected at less than 390 ppb in the last round.

Engineering Survey

Based on the survey of four monitoring wells, the groundwater appears to flow to southeast. O M believes that an engineering survey is not warranted.

Vapor Intrusion Pathway and Abandoned Concrete Sump

The concrete sump was abandoned in place in 1984. The size, location, and method of the abandonment of the concrete sump are unknown. The contamination has migrated out of the building. Also, there is no report of vapor intrusion inside the building. Therefore, O M believes that testing of sub-slab soil sample and indoor air quality testing are not warranted.

Summary, Conclusions, and Recommendations

The site was used as a dry cleaning facility from 1976 to 1984. The concentration of contaminants appears to be stable.

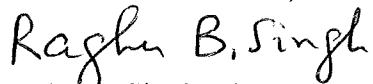
The concrete sump was abandoned in place in 1984. The contamination has migrated out of the building. There is no report of vapor intrusion inside the building.

Therefore, O M believes that groundwater sampling, an engineering survey, testing of sub-slab soil sample, and indoor air quality testing are not warranted.

Thank you for your cooperation

Sincerely,

O M ENTERPRISES, INC.



Raghu B. Singh, Ph. D.
Project Scientist

Enclosures:

- Figure 1: Location of Monitoring Wells
- Table 1A Summary of Groundwater Test Results for MW-1
- Table 1B Summary of Groundwater Test Results for MW-2
- Table 1C Summary of Groundwater Test Results for MW-3
- Table 1D Summary of Groundwater Test Results for MW-4
- Table 1E Summary of Groundwater Test Results for MW-5
- Table 1F Summary of Groundwater Test Results for MW-6
- Table 1G Summary of Groundwater Test Results for MW-7
- Table 1H Summary of Groundwater Test Results for PZ-1
- Table 1I Summary of Groundwater Test Results for PZ-2
- Appendix A: Groundwater Test Results

CC: Mr. Faraj A. Jaber/Owner, 3217 W Villard Avenue, Milwaukee, WI 53209

Table 1A
Summary of Groundwater Quality Test Results for MW-1

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current)/Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

Date Installed	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991		
Well Depth (FEET)	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	
Screen Length (FEET)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
Surface Elevation (MSL)	651.32	651.32	651.32	651.32	651.32	651.32	651.32	651.32	651.32	
PVC Elevation (MSL)	650.84	650.84	650.84	650.84	650.84	650.84	650.84	650.84	650.84	
Bottom of Screen Elevation (MSL)	626.32	626.32	626.32	626.32	626.32	626.32	626.32	626.32	626.32	
Top of Screen Elevation (MSL)	636.32	636.32	636.32	636.32	636.32	636.32	636.32	636.32	636.32	
Elevation of Screened Interval (MSL)										
Depth to Groundwater (FEET)	2.88	6.89	9.02	6.32	6.30	6.60	6.49	6.45		
Groundwater Elevation (MSL)	647.96	643.95	641.82	644.52	644.54	644.24	644.35		Chapter NR 140	
Date Collected	10/1/1991	4/14/1993	5/19/1993	4/13/2015	5/1/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 1.0	< 1.0	< 1.0	< 88	< 88	< 88	< 88	< 34	5	<i>0.5</i>
Chlorodibromomethane	< 250	< 100	< 25	< 90	< 90	< 90	< 90	< 62	0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	560	960	780	2410	2260	2490	1870	2300	70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 1.0	< <i>142</i>	< <i>142</i>	< <i>142</i>	< <i>142</i>	< 40	700	<i>140</i>
PCE (Tetrachloroethene)	14000	38000	34000	21200	22100	23200	24100	11800	5	<i>0.5</i>
Toluene	16	4.1	12.0	< 88	< 88	< 88	< 88	< 134	800	<i>160</i>
TCE (Trichloroethylene)	220	960	700	3400	2940	3700	3900	3040	5	<i>0.5</i>
VC (VinylChloride)	11	33	14	84 "J"	104 "J"	122	< 34	64 "J"	0.2	<i>0.02</i>
Xylenes	< 3.0	< 3.0	< 3.0	< <i>620</i>	< <i>620</i>	< <i>620</i>	< <i>620</i>	< 390	2000	<i>400</i>

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1B
Summary of Groundwater Quality Test Results for MW-2

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

Date Installed	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991	9/20/1991		
Well Depth (FEET)	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
Screen Length (FEET)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
Surface Elevation (MSL)	651.32	651.32	651.32	651.32	651.32	651.32	651.32	651.32		
PVC Elevation (MSL)	650.84	650.84	650.84	650.84	650.84	650.84	650.84	650.84		
Bottom of Screen Elevation (MSL)	626.32	626.32	626.32	626.32	626.32	626.32	626.32	626.32		
Top of Screen Elevation (MSL)	636.32	636.32	636.32	636.32	636.32	636.32	636.32	636.32		
Elevation of Screened Interval (MSL)	626.65-636.65									
Depth to Groundwater (FEET)	2.93	7.54	8.54	8.68	8.40	8.60	N/A	8.05		
Groundwater Elevation (MSL)	647.91	643.30	642.30	642.16	642.44	642.24	N/A		Chapter NR 140	
Date Collected	10/1/1991	4/14/1993	5/19/1993	4/13/2015	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb	Not	ppb	ES	<i>PAL</i>
Benzene	< 1.0	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	Sampled	< 0.27	5	<i>0.5</i>
Chlorodibromomethane	< 1.0	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45		as per	NT	0.6
cis 1, 2 Dichloroethene (DCE)	< 1.0	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45	WD NR	NT	70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 0.71	< 0.71	< 0.71		Advice	< 0.56	700
PCE (Tetrachloroethene)	< 1.0	< 1.0	< 1.0	< 0.74	< 0.49	< 0.49	NT		5	<i>0.5</i>
Toluene	< 1.0	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	< 0.33		800	<i>160</i>
TCE (Trichloroethylene)	< 1.0	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47	NT		5	<i>0.5</i>
VC (VinylChloride)	< 1.0	< 1.0	< 1.0	< 0.17	< 0.17	< 0.17	NT		0.2	<i>0.02</i>
Xylenes	< 3.0	< 3.0	< 3.0	< 3.1	< 3.1	< 3.1	< 1.71	2000	<i>400</i>	

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1C
Summary of Groundwater Quality Test Results for MW-3

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

MONITORING WELL #	MW-3									
	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993		
Date Installed										
Well Depth (FEET)	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
Screen Length (FEET)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
Surface Elevation (MSL)	650.70	650.70	650.70	650.70	650.70	650.70	650.70	650.70		
PVC Elevation (MSL)	650.30	650.30	650.30	650.30	650.30	650.30	650.30	650.30		
Bottom of Screen Elevation (MSL)	635.70	635.70	635.70	635.70	635.70	635.70	635.70	635.70		
Top of Screen Elevation (MSL)	645.70	645.70	645.70	645.70	645.70	645.70	645.70	645.70		
Elevation of Screened Interval (MSL)	635.70-645.70									
Depth to Groundwater (FEET)	2.28	2.98	3.68	4.23	4.54	4.15	4.80			
Groundwater Elevation (MSL)	648.02	647.32	646.62	646.07	645.76	646.15			Chapter NR 140	
Date Collected	4/14/1993	5/19/1993	4/13/2015	5/1/2016	8/6/2016	11/6/2016	2/11/2017		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	< 0.44	< 0.17		5	<i>0.5</i>
Chlorodibromomethane	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45	< 0.45	< 0.31		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	180	190	<i>11.90</i>	<i>5.90</i>	<i>59.00</i>	<i>37.00</i>	<i>10.20</i>		70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 0.71	< 0.71	< 0.71	< 0.71	< 0.2		700	<i>140</i>
PCE (Tetrachloroethene)	< 1.0	< 1.0	< 0.74	1.17 "J"	3.50	3.50	0.89 "J"		5	<i>0.5</i>
Toluene	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	< 0.44	< 0.67		800	<i>160</i>
TCE (Trichloroethylene)	< 1.0	< 1.0	0.69 "J"	0.66 "J"	3.50	2.45	0.18 "J"		5	<i>0.5</i>
VC (Vinyl Chloride)	< 1.0	4.8	4.4	2.01	9.60	3.70	12.60		0.2	<i>0.02</i>
Xylenes	< 3.0	< 3.0	< 3.1	< 3.1	< 3.1	< 3.1	< 1.95		2000	<i>400</i>

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1D
Summary of Groundwater Quality Test Results for MW-4

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

MONITORING WELL #	MW-4								
Date Installed	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993	3/9/1993		
Well Depth (FEET)	15.00	15.00	15.00	15.00	15.00	15.00	15.00		
Screen Length (FEET)	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
Surface Elevation (MSL)	650.37	650.37	650.37	650.37	650.37	650.37	650.37		
PVC Elevation (MSL)	649.97	649.97	649.97	649.97	649.97	649.97	649.97		
Bottom of Screen Elevation (MSL)	635.37	635.37	635.37	635.37	635.37	635.37	635.37		
Top of Screen Elevation (MSL)	645.37	645.37	645.37	645.37	645.37	645.37	645.37		
Elevation of Screened Interval (MSL)	635.37-645.37								
Depth to Groundwater (FEET)	2.02	2.93	4.14	4.25	4.25	4.20	4.65		
Groundwater Elevation (MSL)	647.95	647.04	645.83	645.72	645.72	645.77		Chapter NR 140	
Date Collected	4/14/1993	5/19/1993	4/13/2015	5/1/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 1.0	< 1.0	< 4.4	< 4.4	< 4.4	< 4.4	< 0.17	5	0.5
Chlorodibromomethane	< 100	< 25	< 4.5	< 4.5	< 4.5	< 4.5	< 0.31	0.6	0.06
cis 1, 2 Dichloroethene (DCE)	1100	920	530	313	650	184	370	70	7
Ethylbenzene	< 1.0	< 1.0	< 7.1	< 7.1	< 7.1	< 7.1	< 0.2	700	140
PCE (Tetrachloroethene)	2900	2400	39	44	< 4.9	11 "J"	88	5	0.5
Toluene	10	8.2	< 4.4	< 4.4	< 4.4	< 4.4	< 0.67	800	160
TCE (Trichloroethylene)	440	380	33	24.60	< 4.7	< 4.7	188	5	0.5
VC (VinylChloride)	42	48	63	60	107	32	13.6	0.2	0.02
Xylenes	< 3.0	< 3.0	< 31	< 31	< 31	< 31	< 1.95	2000	400

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1E

Summary of Groundwater Quality Test Results for MW-5

BRRTS #	02-41-119925	FID #	241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)		
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209		

MONITORING WELL #	B-5/MW-5					
	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Date Installed	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Well Depth (FEET)	15.00	15.00	15.00	15.00		
Screen Length (FEET)	15.00	15.00	15.00	15.00		
Surface Elevation (MSL)						
PVC Elevation (MSL)						
Bottom of Screen Elevation (MSL)						
Top of Screen Elevation (MSL)						
Elevation of Screened Interval (MSL)						
Depth to Groundwater (FEET)		3.35		4.85		
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	<i>PAL</i>
Benzene	< 0.44	< 0.44	Not	< 0.27	5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled	NT	0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45	as per	NT	70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71	WDNR	< 0.56	700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49	Advice	NT	5	<i>0.5</i>
Toluene	< 0.44	< 0.44		< 0.33	800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47		NT	5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17		NT	0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1		< 1.71	2000	<i>400</i>

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1F

Summary of Groundwater Quality Test Results for MW-6

BRRTS #	02-41-119925	FID #	241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)		
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209		

MONITORING WELL #	B-6/MW-6					
	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Date Installed	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Well Depth (FEET)	15.00	15.00	15.00	15.00		
Screen Length (FEET)	15.00	15.00	15.00	15.00		
Surface Elevation (MSL)						
PVC Elevation (MSL)						
Bottom of Screen Elevation (MSL)						
Top of Screen Elevation (MSL)						
Elevation of Screened Interval (MSL)						
Depth to Groundwater (FEET)		2.94		3.01		
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	<i>PAL</i>
Benzene	< 0.44	< 0.44	Not	< 0.27	5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled as per WDNR Advice	NT	0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45		NT	70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71		< 0.56	700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49		NT	5	<i>0.5</i>
Toluene	< 0.44	< 0.44		< 0.33	800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47		NT	5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17		NT	0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1		< 1.71	2000	<i>400</i>

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1G

Summary of Groundwater Quality Test Results for MW-7

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

MONITORING WELL #	B-7/MW-7					
	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Date Installed	4/7/2016	4/7/2016	4/7/2016	4/7/2016		
Well Depth (FEET)	15.00	15.00	15.00	15.00		
Screen Length (FEET)	15.00	15.00	15.00	15.00		
Surface Elevation (MSL)						
PVC Elevation (MSL)						
Bottom of Screen Elevation (MSL)						
Top of Screen Elevation (MSL)						
Elevation of Screened Interval (MSL)						
Depth to Groundwater (FEET)		2.40		2.55		
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	Not	< 0.17	5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled	< 0.31	0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45		as per	< 0.41	70
Ethylbenzene	< 0.71	< 0.71	WDNR	< 0.2	700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49	Advice	< 0.48	5	<i>0.5</i>
Toluene	< 0.44	< 0.44		< 0.67	800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47		< 0.45	5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17		< 0.19	0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1	< 1.95	2000	<i>400</i>	

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 1H

Summary of Groundwater Quality Test Results for PZ-1

BRRTS #	02-41-119925	FID # 241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)	
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209	

MONITORING WELL #	B-8/PZ-1					
	4/8/2016	4/8/2016	4/8/2016	4/8/2016		
Date Installed	4/8/2016	4/8/2016	4/8/2016	4/8/2016		
Well Depth (FEET)	25.00	25.00	25.00	25.00		
Screen Length (FEET)	5.00	5.00	5.00	5.00		
Surface Elevation (MSL)						
PVC Elevation (MSL)						
Bottom of Screen Elevation (MSL)						
Top of Screen Elevation (MSL)						
Elevation of Screened Interval (MSL)						
Depth to Groundwater (FEET)		9.40	9.24	5.60		
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	< 0.44	< 0.17	5	0.5
Chlorodibromomethane	< 0.45	< 0.45	< 0.45	< 0.31	0.6	0.06
cis 1, 2 Dichloroethene (DCE)	84	45	22	21.6	70	7
Ethylbenzene	< 0.71	< 0.71	< 0.71	< 0.2	700	140
PCE (Tetrachloroethene)	75	43	29.9	21.1	5	0.5
Toluene	< 0.44	< 0.44	< 0.44	< 0.67	800	160
TCE (Trichloroethylene)	20.20	13.40	9.00	7.50	5	0.5
VC (VinylChloride)	0.97	0.42 "J"	< 0.17	< 0.19	0.2	0.02
Xylenes	< 3.1	< 3.1	< 3.1	< 1.95	2000	400

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

Table 11
Summary of Groundwater Quality Test Results for PZ-2

BRRTS #	02-41-119925	FID #	241692110
SITE NAME:	Villard Foodtown (Current) /Shop Rite Grocery (Former)		
SITE ADDRESS:	3217 W Villard Avenue, Milwaukee, WI 53209		

MONITORING WELL #	B-9/PZ-2					
	4/8/2016	4/8/2016	4/8/2016	4/8/2016		
Date Installed	4/8/2016	4/8/2016	4/8/2016	4/8/2016		
Well Depth (FEET)	25.00	25.00	25.00	25.00		
Screen Length (FEET)	5.00	5.00	5.00	5.00		
Surface Elevation (MSL)						
PVC Elevation (MSL)						
Bottom of Screen Elevation (MSL)						
Top of Screen Elevation (MSL)						
Elevation of Screened Interval (MSL)						
Depth to Groundwater (FEET)		6.60	7.30	7.90		
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016	2/11/2017	2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 220	< 88	< 220	< 34	5	0.5
Chlorodibromomethane	< 225	< 90	< 225	< 62	0.6	0.06
cis 1, 2 Dichloroethene (DCE)	230 "J"	198 "J"	< 225	162 "J"	70	7
Ethylbenzene	< 355	< 142	< 355	< 40	700	140
PCE (Tetrachloroethene)	39000	39000	44000	41000	5	0.5
Toluene	< 220	< 88	< 220	< 134	800	160
TCE (Trichloroethylene)	670 "J"	1610	2010	2130	5	0.5
VC (VinylChloride)	< 85	< 34	< 85	< 38	0.2	0.02
Xylenes	< 1550	< 625	< 1550	< 390	2000	400

Note:

Concentrations in bold (Equal to or greater than ES)

Concentrations in italics (Equal to or greater than PAL)

"J" denotes concentration between limit of detection (LOD) and limit of quantification (LOQ).

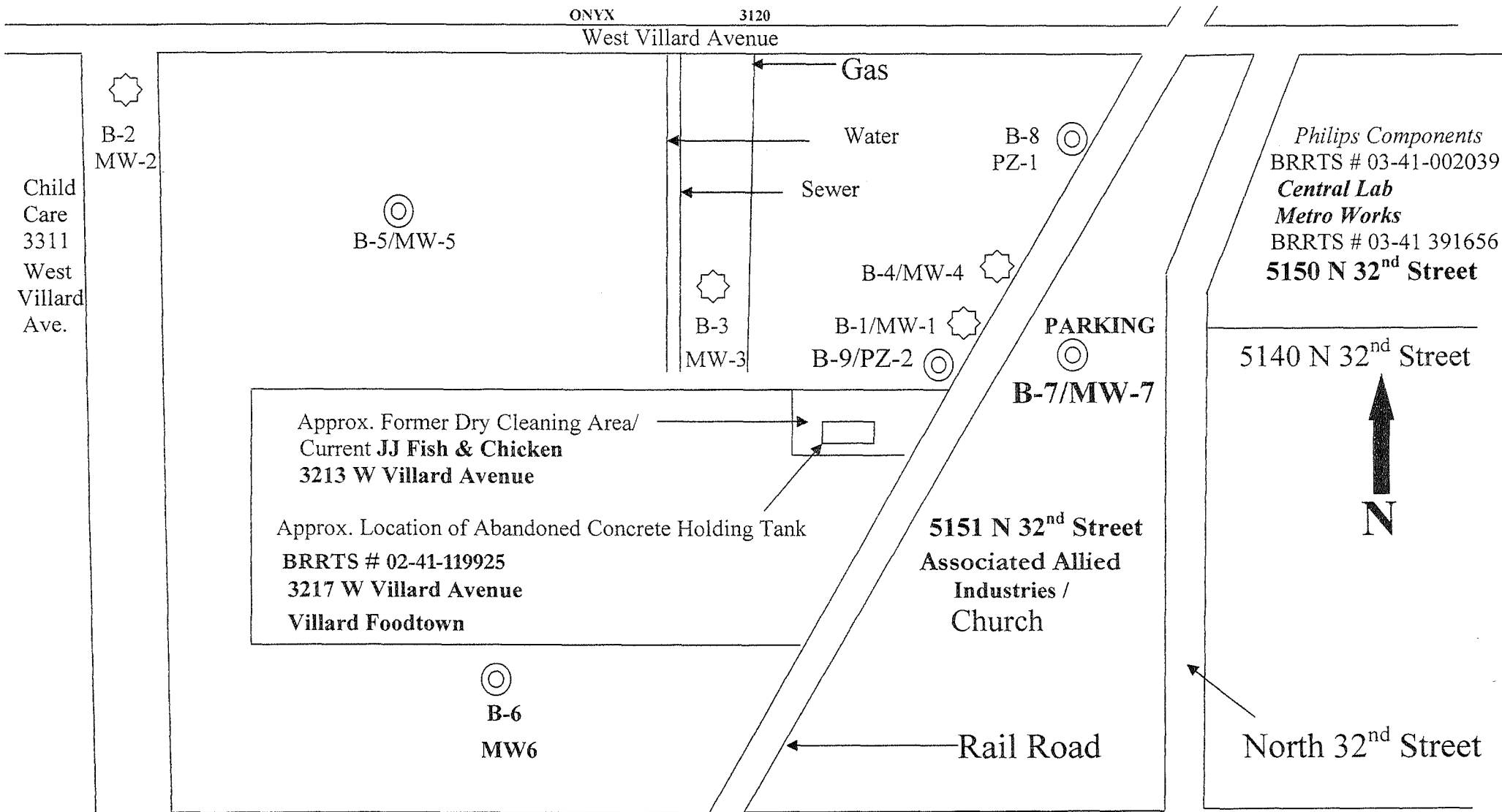





Figure 1: Site Location, Existing Monitoring Wells, and Proposed Soil Borings/Monitoring Wells

Existing Monitoring Well		Proposed MW/PZ Well		Proposed Soil Boring		Date: 11/16/2015	Scale: Not to Scale
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O M Enterprises, Inc.
 124 W Scott Street, Fond du Lac, WI 54935

Appendix A
Groundwater Laboratory Test Results

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

RAGHU B SINGH, PH D
 OM ENTERPRISES, INC.
 124 W. SCOTT STREET
 FOND DU LAC, WI 54935

Report Date 20-Feb-17

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465A
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 34	ug/l	34	110	200	8260B		2/15/2017	CJR	1
Bromobenzene	< 86	ug/l	86	274	200	8260B		2/15/2017	CJR	1
Bromodichloromethane	< 62	ug/l	62	200	200	8260B		2/15/2017	CJR	1
Bromoform	< 98	ug/l	98	312	200	8260B		2/15/2017	CJR	1
tert-Butylbenzene	< 78	ug/l	78	246	200	8260B		2/15/2017	CJR	1
sec-Butylbenzene	< 48	ug/l	48	152	200	8260B		2/15/2017	CJR	1
n-Butylbenzene	< 68	ug/l	68	216	200	8260B		2/15/2017	CJR	1
Carbon Tetrachloride	< 42	ug/l	42	136	200	8260B		2/15/2017	CJR	1
Chlorobenzene	< 54	ug/l	54	172	200	8260B		2/15/2017	CJR	1
Chloroethane	< 100	ug/l	100	320	200	8260B		2/15/2017	CJR	1
Chloroform	< 192	ug/l	192	608	200	8260B		2/15/2017	CJR	1
Chloromethane	< 260	ug/l	260	830	200	8260B		2/15/2017	CJR	1
2-Chlorotoluene	< 72	ug/l	72	230	200	8260B		2/15/2017	CJR	1
4-Chlorotoluene	< 70	ug/l	70	222	200	8260B		2/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 376	ug/l	376	1196	200	8260B		2/15/2017	CJR	1
Dibromochloromethane	< 90	ug/l	90	288	200	8260B		2/15/2017	CJR	1
1,4-Dichlorobenzene	< 84	ug/l	84	268	200	8260B		2/15/2017	CJR	1
1,3-Dichlorobenzene	< 90	ug/l	90	286	200	8260B		2/15/2017	CJR	1
1,2-Dichlorobenzene	< 68	ug/l	68	218	200	8260B		2/15/2017	CJR	1
Dichlorodifluoromethane	< 76	ug/l	76	240	200	8260B		2/15/2017	CJR	1
1,2-Dichloroethane	< 90	ug/l	90	286	200	8260B		2/15/2017	CJR	1
1,1-Dichloroethane	< 84	ug/l	84	268	200	8260B		2/15/2017	CJR	1
1,1-Dichloroethene	< 92	ug/l	92	294	200	8260B		2/15/2017	CJR	1
cis-1,2-Dichloroethene	2300	ug/l	82	258	200	8260B		2/15/2017	CJR	1
trans-1,2-Dichloroethene	< 70	ug/l	70	224	200	8260B		2/15/2017	CJR	1
1,2-Dichloropropane	< 78	ug/l	78	248	200	8260B		2/15/2017	CJR	1
2,2-Dichloropropane	< 94	ug/l	94	298	200	8260B		2/15/2017	CJR	1
1,3-Dichloropropane	< 98	ug/l	98	310	200	8260B		2/15/2017	CJR	1
Di-isopropyl ether	< 52	ug/l	52	166	200	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465A
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 68	ug/l	68	218	200	8260B		2/15/2017	CJR	1
Ethylbenzene	< 40	ug/l	40	126	200	8260B		2/15/2017	CJR	1
Hexachlorobutadiene	< 294	ug/l	294	936	200	8260B		2/15/2017	CJR	1
Isopropylbenzene	< 58	ug/l	58	186	200	8260B		2/15/2017	CJR	1
p-Isopropyltoluene	< 56	ug/l	56	182	200	8260B		2/15/2017	CJR	1
Methylene chloride	< 188	ug/l	188	596	200	8260B		2/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 164	ug/l	164	520	200	8260B		2/15/2017	CJR	1
Naphthalene	< 434	ug/l	434	1380	200	8260B		2/15/2017	CJR	1
n-Propylbenzene	< 38	ug/l	38	124	200	8260B		2/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 138	ug/l	138	442	200	8260B		2/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 94	ug/l	94	296	200	8260B		2/15/2017	CJR	1
Tetrachloroethene	11800	ug/l	96	304	200	8260B		2/15/2017	CJR	1
Toluene	< 134	ug/l	134	426	200	8260B		2/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 258	ug/l	258	820	200	8260B		2/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 166	ug/l	166	526	200	8260B		2/15/2017	CJR	1
1,1,1-Trichloroethane	< 70	ug/l	70	222	200	8260B		2/15/2017	CJR	1
1,1,2-Trichloroethane	< 130	ug/l	130	412	200	8260B		2/15/2017	CJR	1
Trichloroethene (TCE)	3040	ug/l	90	286	200	8260B		2/15/2017	CJR	1
Trichlorofluoromethane	< 128	ug/l	128	408	200	8260B		2/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 228	ug/l	228	726	200	8260B		2/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 182	ug/l	182	580	200	8260B		2/15/2017	CJR	1
Vinyl Chloride	64 "J"	ug/l	38	124	200	8260B		2/15/2017	CJR	1
m&p-Xylene	< 312	ug/l	312	990	200	8260B		2/15/2017	CJR	1
o-Xylene	< 78	ug/l	78	250	200	8260B		2/15/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			200	8260B		2/15/2017	CJR	1
SUR - Toluene-d8	102	REC %			200	8260B		2/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			200	8260B		2/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			200	8260B		2/15/2017	CJR	1

Lab Code 5032465B
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465C
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		2/15/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		2/15/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		2/15/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		2/15/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		2/15/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		2/15/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		2/15/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		2/15/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		2/15/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		2/15/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		2/15/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		2/15/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		2/15/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		2/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		2/15/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		2/15/2017	CJR	1
cis-1,2-Dichloroethene	10.2	ug/l	0.41	1.29	1	8260B		2/15/2017	CJR	1
trans-1,2-Dichloroethene	1.22	ug/l	0.35	1.12	1	8260B		2/15/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		2/15/2017	CJR	1
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.49	1	8260B		2/15/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		2/15/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		2/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		2/15/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		2/15/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		2/15/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		2/15/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		2/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		2/15/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		2/15/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		2/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		2/15/2017	CJR	1
Tetrachloroethene	0.89 "J"	ug/l	0.48	1.52	1	8260B		2/15/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		2/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		2/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		2/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		2/15/2017	CJR	1
Trichloroethene (TCE)	0.81 "J"	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		2/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		2/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
Project # 3023

Invoice # E32465

Lab Code 5032465C
Sample ID MW-3
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	12.6	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		2/15/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		2/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		2/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		2/15/2017	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		2/15/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465D
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	<0.17	ug/l	0.17	0.55	1	8260B		2/15/2017	CJR	1
Bromobenzene	<0.43	ug/l	0.43	1.37	1	8260B		2/15/2017	CJR	1
Bromodichloromethane	<0.31	ug/l	0.31	1	1	8260B		2/15/2017	CJR	1
Bromoform	<0.49	ug/l	0.49	1.56	1	8260B		2/15/2017	CJR	1
tert-Butylbenzene	<0.39	ug/l	0.39	1.23	1	8260B		2/15/2017	CJR	1
sec-Butylbenzene	<0.24	ug/l	0.24	0.76	1	8260B		2/15/2017	CJR	1
n-Butylbenzene	<0.34	ug/l	0.34	1.08	1	8260B		2/15/2017	CJR	1
Carbon Tetrachloride	<0.21	ug/l	0.21	0.68	1	8260B		2/15/2017	CJR	1
Chlorobenzene	<0.27	ug/l	0.27	0.86	1	8260B		2/15/2017	CJR	1
Chloroethane	<0.5	ug/l	0.5	1.6	1	8260B		2/15/2017	CJR	1
Chloroform	<0.96	ug/l	0.96	3.04	1	8260B		2/15/2017	CJR	1
Chloromethane	<1.3	ug/l	1.3	4.15	1	8260B		2/15/2017	CJR	1
2-Chlorotoluene	<0.36	ug/l	0.36	1.15	1	8260B		2/15/2017	CJR	1
4-Chlorotoluene	<0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	<1.88	ug/l	1.88	5.98	1	8260B		2/15/2017	CJR	1
Dibromochloromethane	<0.45	ug/l	0.45	1.44	1	8260B		2/15/2017	CJR	1
1,4-Dichlorobenzene	<0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,3-Dichlorobenzene	<0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,2-Dichlorobenzene	<0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Dichlorodifluoromethane	<0.38	ug/l	0.38	1.2	1	8260B		2/15/2017	CJR	1
1,2-Dichloroethane	<0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethane	<0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethene	0.80 "J"	ug/l	0.46	1.47	1	8260B		2/15/2017	CJR	1
cis-1,2-Dichloroethene	370	ug/l	4.1	12.9	10	8260B		2/16/2017	CJR	1
trans-1,2-Dichloroethene	8.3	ug/l	0.35	1.12	1	8260B		2/15/2017	CJR	1
1,2-Dichloropropane	<0.39	ug/l	0.39	1.24	1	8260B		2/15/2017	CJR	1
2,2-Dichloropropane	<0.47	ug/l	0.47	1.49	1	8260B		2/15/2017	CJR	1
1,3-Dichloropropane	<0.49	ug/l	0.49	1.55	1	8260B		2/15/2017	CJR	1
Di-isopropyl ether	<0.26	ug/l	0.26	0.83	1	8260B		2/15/2017	CJR	1
EDB (1,2-Dibromoethane)	<0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Ethylbenzene	<0.2	ug/l	0.2	0.63	1	8260B		2/15/2017	CJR	1
Hexachlorobutadiene	<1.47	ug/l	1.47	4.68	1	8260B		2/15/2017	CJR	1
Isopropylbenzene	<0.29	ug/l	0.29	0.93	1	8260B		2/15/2017	CJR	1
p-Isopropyltoluene	<0.28	ug/l	0.28	0.91	1	8260B		2/15/2017	CJR	1
Methylene chloride	<0.94	ug/l	0.94	2.98	1	8260B		2/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	<0.82	ug/l	0.82	2.6	1	8260B		2/15/2017	CJR	1
Naphthalene	<2.17	ug/l	2.17	6.9	1	8260B		2/15/2017	CJR	1
n-Propylbenzene	<0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	<0.69	ug/l	0.69	2.21	1	8260B		2/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	<0.47	ug/l	0.47	1.48	1	8260B		2/15/2017	CJR	1
Tetrachloroethene	88	ug/l	0.48	1.52	1	8260B		2/15/2017	CJR	1
Toluene	<0.67	ug/l	0.67	2.13	1	8260B		2/15/2017	CJR	1
1,2,4-Trichlorobenzene	<1.29	ug/l	1.29	4.1	1	8260B		2/15/2017	CJR	1
1,2,3-Trichlorobenzene	<0.83	ug/l	0.83	2.63	1	8260B		2/15/2017	CJR	1
1,1,1-Trichloroethane	<0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,1,2-Trichloroethane	<0.65	ug/l	0.65	2.06	1	8260B		2/15/2017	CJR	1
Trichloroethene (TCE)	188	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
Trichlorofluoromethane	<0.64	ug/l	0.64	2.04	1	8260B		2/15/2017	CJR	1
1,2,4-Trimethylbenzene	<1.14	ug/l	1.14	3.63	1	8260B		2/15/2017	CJR	1
1,3,5-Trimethylbenzene	<0.91	ug/l	0.91	2.9	1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
Project # 3023

Invoice # E32465

Lab Code 5032465D
Sample ID MW-4
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	13.6	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		2/15/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		2/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		2/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		2/15/2017	CJR	1
SUR - Dibromofluoromethane	93	REC %			1	8260B		2/15/2017	CJR	1
SUR - Toluene-d8	102	REC %			1	8260B		2/15/2017	CJR	1

Lab Code 5032465E
Sample ID MW-5
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Lab Code 5032465F
Sample ID MW-6
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	< 0.27	ug/l	0.27	0.87	1	GRO95/8021		2/14/2017	TCC	1
Ethylbenzene	< 0.56	ug/l	0.56	1.77	1	GRO95/8021		2/14/2017	TCC	1
Methyl tert-butyl ether (MTBE)	< 0.43	ug/l	0.43	1.36	1	GRO95/8021		2/14/2017	TCC	1
Toluene	< 0.33	ug/l	0.33	1.06	1	GRO95/8021		2/14/2017	TCC	1
1,2,4-Trimethylbenzene	< 0.56	ug/l	0.56	1.78	1	GRO95/8021		2/14/2017	TCC	1
1,3,5-Trimethylbenzene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		2/14/2017	TCC	1
m&p-Xylene	< 1.1	ug/l	1.1	3.49	1	GRO95/8021		2/14/2017	TCC	1
o-Xylene	< 0.61	ug/l	0.61	1.92	1	GRO95/8021		2/14/2017	TCC	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465G
 Sample ID MW-7
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		2/15/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		2/15/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		2/15/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		2/15/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		2/15/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		2/15/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		2/15/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		2/15/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		2/15/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		2/15/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		2/15/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		2/15/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		2/15/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		2/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		2/15/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		2/15/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		2/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		2/15/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		2/15/2017	CJR	1
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.49	1	8260B		2/15/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		2/15/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		2/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		2/15/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		2/15/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		2/15/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		2/15/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		2/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		2/15/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		2/15/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		2/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		2/15/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		2/15/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		2/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		2/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		2/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		2/15/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		2/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		2/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
Project # 3023

Invoice # E32465

Lab Code 5032465G
Sample ID MW-7
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		2/15/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		2/15/2017	CJR	1
SUR - Dibromofluoromethane	96	REC %				1 8260B		2/15/2017	CJR	1
SUR - Toluene-d8	102	REC %				1 8260B		2/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %				1 8260B		2/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %				1 8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465H
 Sample ID PZ-1
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		2/15/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		2/15/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		2/15/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		2/15/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		2/15/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		2/15/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		2/15/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		2/15/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		2/15/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		2/15/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		2/15/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		2/15/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		2/15/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		2/15/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		2/15/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		2/15/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		2/15/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		2/15/2017	CJR	1
cis-1,2-Dichloroethene	21.6	ug/l	0.41	1.29	1	8260B		2/15/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		2/15/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		2/15/2017	CJR	1
2,2-Dichloropropane	< 0.47	ug/l	0.47	1.49	1	8260B		2/15/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		2/15/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		2/15/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		2/15/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		2/15/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		2/15/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		2/15/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		2/15/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		2/15/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		2/15/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		2/15/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		2/15/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		2/15/2017	CJR	1
Tetrachloroethene	21.1	ug/l	0.48	1.52	1	8260B		2/15/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		2/15/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		2/15/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		2/15/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		2/15/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		2/15/2017	CJR	1
Trichloroethene (TCE)	7.5	ug/l	0.45	1.43	1	8260B		2/15/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		2/15/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		2/15/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
Project # 3023

Invoice # E32465

Lab Code 5032465H
Sample ID PZ-1
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		2/15/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		2/15/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		2/15/2017	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		2/15/2017	CJR	1
SUR - Toluene-d8	101	REC %			1	8260B		2/15/2017	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			1	8260B		2/15/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		2/15/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
 Project # 3023

Invoice # E32465

Lab Code 5032465I
 Sample ID PZ-2
 Sample Matrix Water
 Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 34	ug/l	34	110	200	8260B		2/16/2017	CJR	1
Bromobenzene	< 86	ug/l	86	274	200	8260B		2/16/2017	CJR	1
Bromodichloromethane	< 62	ug/l	62	200	200	8260B		2/16/2017	CJR	1
Bromoform	< 98	ug/l	98	312	200	8260B		2/16/2017	CJR	1
tert-Butylbenzene	< 78	ug/l	78	246	200	8260B		2/16/2017	CJR	1
sec-Butylbenzene	< 48	ug/l	48	152	200	8260B		2/16/2017	CJR	1
n-Butylbenzene	< 68	ug/l	68	216	200	8260B		2/16/2017	CJR	1
Carbon Tetrachloride	< 42	ug/l	42	136	200	8260B		2/16/2017	CJR	1
Chlorobenzene	< 54	ug/l	54	172	200	8260B		2/16/2017	CJR	1
Chloroethane	< 100	ug/l	100	320	200	8260B		2/16/2017	CJR	1
Chloroform	< 192	ug/l	192	608	200	8260B		2/16/2017	CJR	1
Chloromethane	< 260	ug/l	260	830	200	8260B		2/16/2017	CJR	1
2-Chlorotoluene	< 72	ug/l	72	230	200	8260B		2/16/2017	CJR	1
4-Chlorotoluene	< 70	ug/l	70	222	200	8260B		2/16/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 376	ug/l	376	1196	200	8260B		2/16/2017	CJR	1
Dibromochloromethane	< 90	ug/l	90	288	200	8260B		2/16/2017	CJR	1
1,4-Dichlorobenzene	< 84	ug/l	84	268	200	8260B		2/16/2017	CJR	1
1,3-Dichlorobenzene	< 90	ug/l	90	286	200	8260B		2/16/2017	CJR	1
1,2-Dichlorobenzene	< 68	ug/l	68	218	200	8260B		2/16/2017	CJR	1
Dichlorodifluoromethane	< 76	ug/l	76	240	200	8260B		2/16/2017	CJR	1
1,2-Dichloroethane	< 90	ug/l	90	286	200	8260B		2/16/2017	CJR	1
1,1-Dichloroethane	< 84	ug/l	84	268	200	8260B		2/16/2017	CJR	1
1,1-Dichloroethene	< 92	ug/l	92	294	200	8260B		2/16/2017	CJR	1
cis-1,2-Dichloroethene	162 "J"	ug/l	82	258	200	8260B		2/16/2017	CJR	1
trans-1,2-Dichloroethene	< 70	ug/l	70	224	200	8260B		2/16/2017	CJR	1
1,2-Dichloropropane	< 78	ug/l	78	248	200	8260B		2/16/2017	CJR	1
2,2-Dichloropropane	< 94	ug/l	94	298	200	8260B		2/16/2017	CJR	1
1,3-Dichloropropane	< 98	ug/l	98	310	200	8260B		2/16/2017	CJR	1
Di-isopropyl ether	< 52	ug/l	52	166	200	8260B		2/16/2017	CJR	1
EDB (1,2-Dibromoethane)	< 68	ug/l	68	218	200	8260B		2/16/2017	CJR	1
Ethylbenzene	< 40	ug/l	40	126	200	8260B		2/16/2017	CJR	1
Hexachlorobutadiene	< 294	ug/l	294	936	200	8260B		2/16/2017	CJR	1
Isopropylbenzene	< 58	ug/l	58	186	200	8260B		2/16/2017	CJR	1
p-Isopropyltoluene	< 56	ug/l	56	182	200	8260B		2/16/2017	CJR	1
Methylene chloride	< 188	ug/l	188	596	200	8260B		2/16/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 164	ug/l	164	520	200	8260B		2/16/2017	CJR	1
Naphthalene	< 434	ug/l	434	1380	200	8260B		2/16/2017	CJR	1
n-Propylbenzene	< 38	ug/l	38	124	200	8260B		2/16/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 138	ug/l	138	442	200	8260B		2/16/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 94	ug/l	94	296	200	8260B		2/16/2017	CJR	1
Tetrachloroethene	41000	ug/l	96	304	200	8260B		2/16/2017	CJR	1
Toluene	< 134	ug/l	134	426	200	8260B		2/16/2017	CJR	1
1,2,4-Trichlorobenzene	< 258	ug/l	258	820	200	8260B		2/16/2017	CJR	1
1,2,3-Trichlorobenzene	< 166	ug/l	166	526	200	8260B		2/16/2017	CJR	1
1,1,1-Trichloroethane	< 70	ug/l	70	222	200	8260B		2/16/2017	CJR	1
1,1,2-Trichloroethane	< 130	ug/l	130	412	200	8260B		2/16/2017	CJR	1
Trichloroethene (TCE)	2130	ug/l	90	286	200	8260B		2/16/2017	CJR	1
Trichlorofluoromethane	< 128	ug/l	128	408	200	8260B		2/16/2017	CJR	1
1,2,4-Trimethylbenzene	< 228	ug/l	228	726	200	8260B		2/16/2017	CJR	1
1,3,5-Trimethylbenzene	< 182	ug/l	182	580	200	8260B		2/16/2017	CJR	1

Project Name 3217 W VILLARD AVE.,
Project # 3023

Invoice # E32465

Lab Code 50324651
Sample ID PZ-2
Sample Matrix Water
Sample Date 2/11/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Vinyl Chloride	< 38	ug/l	38	124	200	8260B		2/16/2017	CJR	1
m&p-Xylene	< 312	ug/l	312	990	200	8260B		2/16/2017	CJR	1
o-Xylene	< 78	ug/l	78	250	200	8260B		2/16/2017	CJR	1
SUR - Toluene-d8	106	REC %			200	8260B		2/16/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			200	8260B		2/16/2017	CJR	1
SUR - 4-Bromofluorobenzene	100	REC %			200	8260B		2/16/2017	CJR	1
SUR - Dibromofluoromethane	94	REC %			200	8260B		2/16/2017	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

