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November 18, 2016

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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Initial: 

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

FID # 241692110BRRTS # 02-41-119925

NR 700 Semiannual Progress Report

FID 241692110

Dear John:

On behalf of Villard Foodtown, enclosed please find a Status Report for the referenced site. The report is described as follows.

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 are located on the site. As per your advice during the on-site meeting of August 19, 2016, five (MW-1, MW-3, MW-4, PZ-1, and PZ-2) out of nine groundwater wells were sampled on November 6, 2016. The samples were submitted to Synergy Environmental Lab, Inc., Appleton, to test for volatile organic compounds (VOCs) using EPA Method 8260 B. 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 at less than 88 ppb in the last four rounds.
- b) Chlorodibromomethane was detected at less than 90 ppb in the last four rounds.
- c) DCE (cis 1, 2 Dichloroethene) was detected as 560 ppb, 960 ppb, 780 ppb, 2410 ppb, 2260 ppb, 2490 ppb, and 1870 ppb respectively. The concentration is decreasing.
- d) Ethylbenzene was detected at less than 142 ppb in the last four rounds.
- e) PCE (Tetrachloroethene) was detected at 14000 ppb, 38000 ppb, 34000 ppb, 21200 ppb, 22100 ppb, 23200 ppb, and 24100 ppb respectively.
- f) Toluene was detected at less than 88 ppb in the last four rounds.
- g) TCE (Trichloroethylene) was detected at 220 ppb, 960 ppb, 700 ppb, and 3400 ppb, 2940 ppb, 3700 ppb, and 3900 ppb, respectively.
- h) VC (Vinyl Chloride) was detected at 11 ppb, 33 ppb, 14 ppb, and 84"J" ppb, 104 "J" ppb, 122 ppb, and less than 34 ppb, respectively.
- i) Xylenes were detected at less than 620 ppb in the last four rounds.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-2

The monitoring well was not sampled.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-3

The concentration of vinyl chloride (3.70 ppb) exceeded the ES (0.2 ppb).

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-4

The concentrations of DCE and vinyl chloride exceeded their ES values.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-5

The monitoring well was not sampled.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-6

The monitoring well was not sampled.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well MW-7

The monitoring well was not sampled.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well PZ-1

- a) Benzene was detected at less than 0.44 ppb in all three rounds.
- b) Chlorodibromomethane was detected at less than 0.45 ppb in all three rounds.
- c) DCE (cis 1, 2 Dichloroethene) was detected as 84 ppb, 45 ppb, and 22 ppb respectively. The concentration is decreasing.
- d) Ethylbenzene was detected at less than 0.71 ppb in all three rounds.
- e) PCE (Tetrachloroethene) was detected at 75 ppb, 43 ppb, and 29.9 ppb respectively.
- f) Toluene was detected at less than 0.44 ppb in all three rounds.

- g) TCE (Trichloroethylene) was detected at 20.20 ppb, 13.40 ppb, and 9.00 ppb, respectively.
- h) VC (Vinyl Chloride) was not detected.
- i) Xylenes were detected at less than 3.1 ppb in all three rounds.

Groundwater in February 2017 shall be tested for VOCs.

Monitoring Well PZ-2

- a) Benzene was detected at less than 220 ppb, 88 ppb, and 220 ppb, respectively.
- b) Chlorodibromomethane was detected at less than 225 ppb, 90 ppb, and 225 ppb, respectively.
- c) DCE (cis 1, 2 Dichloroethene) was detected at less than 225 in the last round.
- d) Ethylbenzene was detected at less than 355 ppb in the last round.
- e) PCE (Tetrachloroethene) was detected at 39000 ppb, 39000 ppb, and 44000 ppb respectively.
- f) Toluene was detected at less than 220 ppb in the last round.
- g) TCE (Trichloroethylene) was detected at 2010 ppb in the last round.
- h) VC (Vinyl Chloride) was detected at less than 85 ppb in the last round.
- i) Xylenes were detected at less than 1550 ppb in the last round.

Groundwater in February 2017 shall be tested for VOCs.

Vapor Intrusion Pathway

The testing shall be conducted after receiving the bid.

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.

Summary, Conclusions, and Recommendations

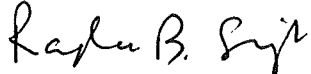
The site was used as a dry cleaning facility from 1976 to 1984. The concentration of contaminants appears to be either decreasing or stable. All monitoring wells shall be tested for VOCs during the fourth round of sampling to be conducted in February 2017.

O M believes that an engineering survey is not warranted. The vapor intrusion study shall be conducted after receiving the bids.

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

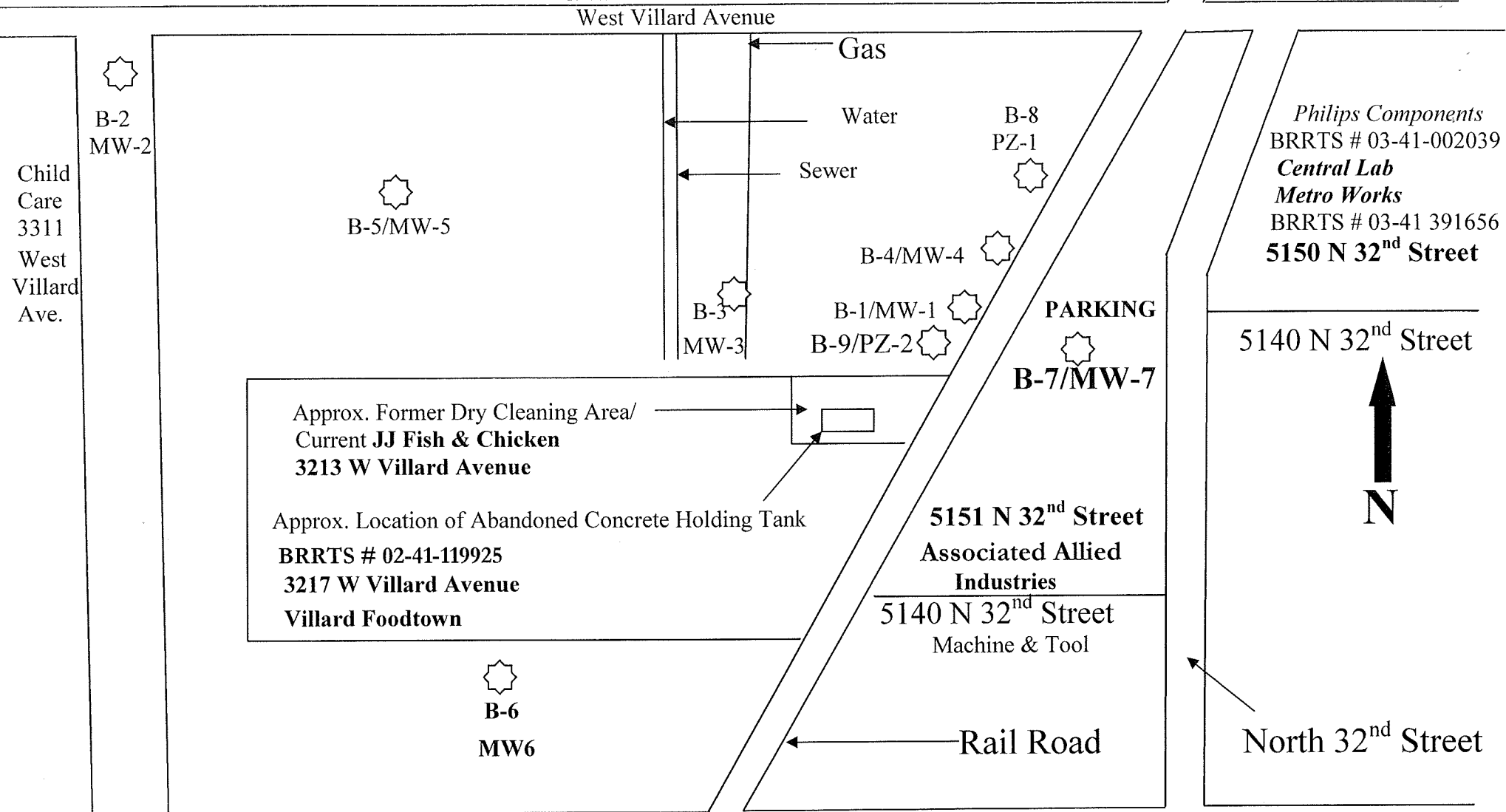


Figure 1: Site Location and Existing Soil Borings and Monitoring Wells


Existing Monitoring Well 	Date: 7/10/2016	Scale: Not to Scale
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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		
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)										
Depth to Groundwater (FEET)	2.88	6.89	9.02	6.32	6.30	6.60	6.49			
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		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		5	<i>0.5</i>
Chlorodibromomethane	< 250	< 100	< 25	< 90	< 90	< 90	< 90		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	560	960	780	2410	2260	2490	1870		70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 1.0	< <i>142</i>	< <i>142</i>	< <i>142</i>	< <i>142</i>		700	<i>140</i>
PCE (Tetrachloroethene)	14000	38000	34000	21200	22100	23200	24100		5	<i>0.5</i>
Toluene	16	4.1	12.0	< 88	< 88	< 88	< 88		800	<i>160</i>
TCE (Trichloroethylene)	220	960	700	3400	2940	3700	3900		5	<i>0.5</i>
VC (VinylChloride)	11	33	14	84 "J"	104 "J"	122	< 34		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>		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	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)	626.65-636.65										
Depth to Groundwater (FEET)	2.93	7.54	8.54	8.68	8.40	8.60	N/A				
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			2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb	Not			ES	PAL
Benzene	< 1.0	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	Sampled as per WD NR Advice			5	<i>0.5</i>
Chlorodibromomethane	< 1.0	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45				0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 1.0	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45				70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 0.71	< 0.71	< 0.71				700	<i>140</i>
PCE (Tetrachloroethene)	< 1.0	< 1.0	< 1.0	< 0.74	< 0.49	< 0.49				5	<i>0.5</i>
Toluene	< 1.0	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44				800	<i>160</i>
TCE (Trichloroethylene)	< 1.0	< 1.0	< 1.0	< 0.47	< 0.47	< 0.47				5	<i>0.5</i>
VC (VinylChloride)	< 1.0	< 1.0	< 1.0	< 0.17	< 0.17	< 0.17				0.2	<i>0.02</i>
Xylenes	< 3.0	< 3.0	< 3.0	< 3.1	< 3.1	< 3.1				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		
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)	650.70	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		
Bottom of Screen Elevation (MSL)	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		
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			
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		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb		ES	PAL
Benzene	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	< 0.44		5	0.5
Chlorodibromomethane	< 1.0	< 1.0	< 0.45	< 0.45	< 0.45	< 0.45		0.6	0.06
cis 1, 2 Dichloroethene (DCE)	180	190	<i>11.90</i>	<i>5.90</i>	<i>59.00</i>	<i>37.00</i>		70	<i>7</i>
Ethylbenzene	< 1.0	< 1.0	< 0.71	< 0.71	< 0.71	< 0.71		700	<i>140</i>
PCE (Tetrachloroethene)	< 1.0	< 1.0	< 0.74	1.17 "J"	3.50	3.50		5	0.5
Toluene	< 1.0	< 1.0	< 0.44	< 0.44	< 0.44	< 0.44		800	<i>160</i>
TCE (Trichloroethylene)	< 1.0	< 1.0	<i>0.69 "J"</i>	<i>0.66 "J"</i>	3.50	2.45		5	0.5
VC (VinylChloride)	< 1.0	4.8	4.4	2.01	9.60	3.70		0.2	<i>0.02</i>
Xylenes	< 3.0	< 3.0	< 3.1	< 3.1	< 3.1	< 3.1		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			
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		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ppb	ppb		ES	PAL
Benzene	< 1.0	< 1.0	< 4.4	< 4.4	< 4.4	< 4.4		5	0.5
Chlorodibromomethane	< 100	< 25	< 4.5	< 4.5	< 4.5	< 4.5		0.6	0.06
cis 1, 2 Dichloroethene (DCE)	1100	920	530	313	650	184		70	7
Ethylbenzene	< 1.0	< 1.0	< 7.1	< 7.1	< 7.1	< 7.1		700	140
PCE (Tetrachloroethene)	2900	2400	39	44	< 4.9	11 "J"		5	0.5
Toluene	10	8.2	< 4.4	< 4.4	< 4.4	< 4.4		800	160
TCE (Trichloroethylene)	440	380	33	24.60	< 4.7	< 4.7		5	0.5
VC (VinylChloride)	42	48	63	60	107	32		0.2	0.02
Xylenes	< 3.0	< 3.0	< 31	< 31	< 31	< 31		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					
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				
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	Not		5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45	as per		70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71	WDNR		700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49	Advice		5	<i>0.5</i>
Toluene	< 0.44	< 0.44			800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47			5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17			0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1			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					
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				
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	Not		5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45	as per		70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71	WDNR		700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49	Advice		5	<i>0.5</i>
Toluene	< 0.44	< 0.44			800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47			5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17			0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1			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					
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				
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	Not		5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	Sampled		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	< 0.45	< 0.45	as per		70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71	WDNR		700	<i>140</i>
PCE (Tetrachloroethene)	< 0.49	< 0.49	Advice		5	<i>0.5</i>
Toluene	< 0.44	< 0.44			800	<i>160</i>
TCE (Trichloroethylene)	< 0.47	< 0.47			5	<i>0.5</i>
VC (VinylChloride)	< 0.17	< 0.17			0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1			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			
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 0.44	< 0.44	< 0.44		5	<i>0.5</i>
Chlorodibromomethane	< 0.45	< 0.45	< 0.45		0.6	<i>0.06</i>
cis 1, 2 Dichloroethene (DCE)	84	<i>45</i>	<i>22</i>		70	<i>7</i>
Ethylbenzene	< 0.71	< 0.71	< 0.71		700	<i>140</i>
PCE (Tetrachloroethene)	75	43	29.9		5	<i>0.5</i>
Toluene	< 0.44	< 0.44	< 0.44		800	<i>160</i>
TCE (Trichloroethylene)	20.20	13.40	9.00		5	<i>0.5</i>
VC (VinylChloride)	0.97	0.42 "J"	< 0.17		0.2	<i>0.02</i>
Xylenes	< 3.1	< 3.1	< 3.1		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 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			
Groundwater Elevation (MSL)					Chapter NR 140	
Date Collected	5/2/2016	8/6/2016	11/6/2016		2015, No. 715	
Concentration in ug/L (or ppb)	ppb	ppb	ppb	ppb	ES	PAL
Benzene	< 220	< 88	< 220		5	0.5
Chlorodibromomethane	< 225	< 90	< 225		0.6	0.06
cis 1, 2 Dichloroethene (DCE)	230 "J"	198 "J"	< 225		70	7
Ethylbenzene	< 355	< 142	< 355		700	140
PCE (Tetrachloroethene)	39000	39000	44000		5	0.5
Toluene	< 220	< 88	< 220		800	160
TCE (Trichloroethylene)	670 "J"	1610	2010		5	0.5
VC (VinylChloride)	< 85	< 34	< 85		0.2	0.02
Xylenes	< 1550	< 625	< 1550		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).

Appendix A
Groundwater Laboratory Test Results

Synergy

Chain # NO 29380

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: 3023/Shop Rite Convoy C Pond
Sampler: (signature) Ralph B. Sink

Project (Name / Location): 3217 W Villard Ave, Milwaukee, WI 53209

Reports To:	Invoice To:
Company <u>Om Enterprises, Inc</u>	Company <u>Om Enterprises, Inc.</u>
Address <u>124 W. Scott Street</u>	Address <u>124 W. Scott Street</u>
City State Zip <u>Fond du Lac, WI 53505</u>	City State Zip <u>Fond du Lac, WI 53505</u>
Phone _____	Phone _____
FAX _____	FAX _____

Analysis Requested		Other Analysis												
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	PID/FID
												X		
												X		
												X		
												X		
												X		

Lab I.D.	Sample I.D.	Collection Date Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>5032041A</u>	<u>MW-3</u>	<u>11/9/16</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HC</u>
<u>B</u>	<u>MW-4</u>	<u>11/9/16</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HC</u>
<u>C</u>	<u>MW-1</u>	<u>11/9/16</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HC</u>
<u>D</u>	<u>PZ-1</u>	<u>11/9/16</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HC</u>
<u>E</u>	<u>PZ-2</u>	<u>11/9/16</u>		<u>X</u>	<u>N</u>	<u>3</u>	<u>GW</u>	<u>HC</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>Client</u> Temp. of Temp. Blank _____ °C On Ice: <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Relinquished By: (sign) <u>Ralph B. Sink</u>	Time <u>1:50 p.m.</u>	Date <u>11-7-16</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <u>[Signature]</u>	Time <u>1:50</u>	Date <u>11/7/16</u>			

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 15-Nov-16

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041A
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/10/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/10/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/10/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/10/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/10/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/10/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/10/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/10/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/10/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/10/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/10/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/10/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/10/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/10/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/10/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/10/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/10/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/10/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/10/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/10/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/10/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/10/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/10/2016	CJR	1
cis-1,2-Dichloroethene	37	ug/l	0.45	1.4	1	8260B		11/10/2016	CJR	1
trans-1,2-Dichloroethene	1.2 "J"	ug/l	0.54	1.7	1	8260B		11/10/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/10/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/10/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/10/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/10/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/10/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/10/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/10/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/10/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041A
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/10/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/10/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/10/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/10/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/10/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/10/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/10/2016	CJR	1
Tetrachloroethene	3.5	ug/l	0.49	1.5	1	8260B		11/10/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/10/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/10/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/10/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/10/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/10/2016	CJR	1
Trichloroethene (TCE)	2.45	ug/l	0.47	1.5	1	8260B		11/10/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/10/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/10/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/10/2016	CJR	1
Vinyl Chloride	3.7	ug/l	0.17	0.54	1	8260B		11/10/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/10/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/10/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		11/10/2016	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			1	8260B		11/10/2016	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		11/10/2016	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		11/10/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041B
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 4.4	ug/l	4.4	14	10	8260B		11/10/2016	CJR	1
Bromobenzene	< 4.8	ug/l	4.8	15	10	8260B		11/10/2016	CJR	1
Bromodichloromethane	< 4.6	ug/l	4.6	15	10	8260B		11/10/2016	CJR	1
Bromoform	< 4.6	ug/l	4.6	15	10	8260B		11/10/2016	CJR	1
tert-Butylbenzene	< 11	ug/l	11	34	10	8260B		11/10/2016	CJR	1
sec-Butylbenzene	< 12	ug/l	12	38	10	8260B		11/10/2016	CJR	1
n-Butylbenzene	< 10	ug/l	10	33	10	8260B		11/10/2016	CJR	1
Carbon Tetrachloride	< 5.1	ug/l	5.1	16	10	8260B		11/10/2016	CJR	1
Chlorobenzene	< 4.6	ug/l	4.6	14	10	8260B		11/10/2016	CJR	1
Chloroethane	< 6.5	ug/l	6.5	21	10	8260B		11/10/2016	CJR	1
Chloroform	< 4.3	ug/l	4.3	14	10	8260B		11/10/2016	CJR	1
Chloromethane	< 19	ug/l	19	60	10	8260B		11/10/2016	CJR	1
2-Chlorotoluene	< 4	ug/l	4	13	10	8260B		11/10/2016	CJR	1
4-Chlorotoluene	< 6.3	ug/l	6.3	20	10	8260B		11/10/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	45	10	8260B		11/10/2016	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	14	10	8260B		11/10/2016	CJR	1
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	16	10	8260B		11/10/2016	CJR	1
1,3-Dichlorobenzene	< 5.2	ug/l	5.2	16	10	8260B		11/10/2016	CJR	1
1,2-Dichlorobenzene	< 4.6	ug/l	4.6	15	10	8260B		11/10/2016	CJR	1
Dichlorodifluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/10/2016	CJR	1
1,2-Dichloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/10/2016	CJR	1
1,1-Dichloroethane	< 11	ug/l	11	36	10	8260B		11/10/2016	CJR	1
1,1-Dichloroethene	< 6.5	ug/l	6.5	21	10	8260B		11/10/2016	CJR	1
cis-1,2-Dichloroethene	184	ug/l	4.5	14	10	8260B		11/10/2016	CJR	1
trans-1,2-Dichloroethene	14.6 "J"	ug/l	5.4	17	10	8260B		11/10/2016	CJR	1
1,2-Dichloropropane	< 4.3	ug/l	4.3	13.7	10	8260B		11/10/2016	CJR	1
2,2-Dichloropropane	< 31	ug/l	31	98	10	8260B		11/10/2016	CJR	1
1,3-Dichloropropane	< 4.2	ug/l	4.2	13	10	8260B		11/10/2016	CJR	1
Di-isopropyl ether	< 4.4	ug/l	4.4	14	10	8260B		11/10/2016	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		11/10/2016	CJR	1
Ethylbenzene	< 7.1	ug/l	7.1	23	10	8260B		11/10/2016	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	71	10	8260B		11/10/2016	CJR	1
Isopropylbenzene	< 8.2	ug/l	8.2	26	10	8260B		11/10/2016	CJR	1
p-Isopropyltoluene	< 11	ug/l	11	35	10	8260B		11/10/2016	CJR	1
Methylene chloride	< 13	ug/l	13	42	10	8260B		11/10/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 11	ug/l	11	37	10	8260B		11/10/2016	CJR	1
Naphthalene	< 16	ug/l	16	52	10	8260B		11/10/2016	CJR	1
n-Propylbenzene	< 7.7	ug/l	7.7	24	10	8260B		11/10/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 5.2	ug/l	5.2	17	10	8260B		11/10/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 4.8	ug/l	4.8	15	10	8260B		11/10/2016	CJR	1
Tetrachloroethene	11 "J"	ug/l	4.9	15	10	8260B		11/10/2016	CJR	1
Toluene	< 4.4	ug/l	4.4	14	10	8260B		11/10/2016	CJR	1
1,2,4-Trichlorobenzene	< 17	ug/l	17	56	10	8260B		11/10/2016	CJR	1
1,2,3-Trichlorobenzene	< 27	ug/l	27	86	10	8260B		11/10/2016	CJR	1
1,1,1-Trichloroethane	< 8.4	ug/l	8.4	27	10	8260B		11/10/2016	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	15.2	10	8260B		11/10/2016	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		11/10/2016	CJR	1
Trichlorofluoromethane	< 8.7	ug/l	8.7	28	10	8260B		11/10/2016	CJR	1
1,2,4-Trimethylbenzene	< 16	ug/l	16	50	10	8260B		11/10/2016	CJR	1
1,3,5-Trimethylbenzene	< 15	ug/l	15	48	10	8260B		11/10/2016	CJR	1
Vinyl Chloride	32	ug/l	1.7	5.4	10	8260B		11/10/2016	CJR	1
m&p-Xylene	< 22	ug/l	22	69	10	8260B		11/10/2016	CJR	1
o-Xylene	< 9	ug/l	9	29	10	8260B		11/10/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			10	8260B		11/10/2016	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			10	8260B		11/10/2016	CJR	1
SUR - Dibromofluoromethane	103	REC %			10	8260B		11/10/2016	CJR	1
SUR - Toluene-d8	106	REC %			10	8260B		11/10/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041C
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 88	ug/l	88	280	200	8260B		11/14/2016	CJR	1
Bromobenzene	< 96	ug/l	96	300	200	8260B		11/14/2016	CJR	1
Bromodichloromethane	< 92	ug/l	92	300	200	8260B		11/14/2016	CJR	1
Bromoform	< 92	ug/l	92	300	200	8260B		11/14/2016	CJR	1
tert-Butylbenzene	< 220	ug/l	220	680	200	8260B		11/14/2016	CJR	1
sec-Butylbenzene	< 240	ug/l	240	760	200	8260B		11/14/2016	CJR	1
n-Butylbenzene	< 200	ug/l	200	660	200	8260B		11/14/2016	CJR	1
Carbon Tetrachloride	< 102	ug/l	102	320	200	8260B		11/14/2016	CJR	1
Chlorobenzene	< 92	ug/l	92	280	200	8260B		11/14/2016	CJR	1
Chloroethane	< 130	ug/l	130	420	200	8260B		11/14/2016	CJR	1
Chloroform	< 86	ug/l	86	280	200	8260B		11/14/2016	CJR	1
Chloromethane	< 380	ug/l	380	1200	200	8260B		11/14/2016	CJR	1
2-Chlorotoluene	< 80	ug/l	80	260	200	8260B		11/14/2016	CJR	1
4-Chlorotoluene	< 126	ug/l	126	400	200	8260B		11/14/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 280	ug/l	280	900	200	8260B		11/14/2016	CJR	1
Dibromochloromethane	< 90	ug/l	90	280	200	8260B		11/14/2016	CJR	1
1,4-Dichlorobenzene	< 98	ug/l	98	320	200	8260B		11/14/2016	CJR	1
1,3-Dichlorobenzene	< 104	ug/l	104	320	200	8260B		11/14/2016	CJR	1
1,2-Dichlorobenzene	< 92	ug/l	92	300	200	8260B		11/14/2016	CJR	1
Dichlorodifluoromethane	< 174	ug/l	174	560	200	8260B		11/14/2016	CJR	1
1,2-Dichloroethane	< 96	ug/l	96	300	200	8260B		11/14/2016	CJR	1
1,1-Dichloroethane	< 220	ug/l	220	720	200	8260B		11/14/2016	CJR	1
1,1-Dichloroethene	< 130	ug/l	130	420	200	8260B		11/14/2016	CJR	1
cis-1,2-Dichloroethene	1870	ug/l	90	280	200	8260B		11/14/2016	CJR	1
trans-1,2-Dichloroethene	< 108	ug/l	108	340	200	8260B		11/14/2016	CJR	1
1,2-Dichloropropane	< 86	ug/l	86	274	200	8260B		11/14/2016	CJR	1
2,2-Dichloropropane	< 620	ug/l	620	1960	200	8260B		11/14/2016	CJR	1
1,3-Dichloropropane	< 84	ug/l	84	260	200	8260B		11/14/2016	CJR	1
Di-isopropyl ether	< 88	ug/l	88	280	200	8260B		11/14/2016	CJR	1
EDB (1,2-Dibromoethane)	< 126	ug/l	126	400	200	8260B		11/14/2016	CJR	1
Ethylbenzene	< 142	ug/l	142	460	200	8260B		11/14/2016	CJR	1
Hexachlorobutadiene	< 440	ug/l	440	1420	200	8260B		11/14/2016	CJR	1
Isopropylbenzene	< 164	ug/l	164	520	200	8260B		11/14/2016	CJR	1
p-Isopropyltoluene	< 220	ug/l	220	700	200	8260B		11/14/2016	CJR	1
Methylene chloride	< 260	ug/l	260	840	200	8260B		11/14/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 220	ug/l	220	740	200	8260B		11/14/2016	CJR	1
Naphthalene	< 320	ug/l	320	1040	200	8260B		11/14/2016	CJR	1
n-Propylbenzene	< 154	ug/l	154	480	200	8260B		11/14/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 104	ug/l	104	340	200	8260B		11/14/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 96	ug/l	96	300	200	8260B		11/14/2016	CJR	1
Tetrachloroethene	24100	ug/l	98	300	200	8260B		11/14/2016	CJR	1
Toluene	< 88	ug/l	88	280	200	8260B		11/14/2016	CJR	1
1,2,4-Trichlorobenzene	< 340	ug/l	340	1120	200	8260B		11/14/2016	CJR	1
1,2,3-Trichlorobenzene	< 540	ug/l	540	1720	200	8260B		11/14/2016	CJR	1
1,1,1-Trichloroethane	< 168	ug/l	168	540	200	8260B		11/14/2016	CJR	1
1,1,2-Trichloroethane	< 96	ug/l	96	304	200	8260B		11/14/2016	CJR	1
Trichloroethene (TCE)	3900	ug/l	94	300	200	8260B		11/14/2016	CJR	1
Trichlorofluoromethane	< 174	ug/l	174	560	200	8260B		11/14/2016	CJR	1
1,2,4-Trimethylbenzene	< 320	ug/l	320	1000	200	8260B		11/14/2016	CJR	1
1,3,5-Trimethylbenzene	< 300	ug/l	300	960	200	8260B		11/14/2016	CJR	1
Vinyl Chloride	< 34	ug/l	34	108	200	8260B		11/14/2016	CJR	1
m&p-Xylene	< 440	ug/l	440	1380	200	8260B		11/14/2016	CJR	1
o-Xylene	< 180	ug/l	180	580	200	8260B		11/14/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			200	8260B		11/14/2016	CJR	1
SUR - Toluene-d8	105	REC %			200	8260B		11/14/2016	CJR	1
SUR - 4-Bromofluorobenzene	97	REC %			200	8260B		11/14/2016	CJR	1
SUR - Dibromofluoromethane	103	REC %			200	8260B		11/14/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041D
 Sample ID PZ-1
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		11/11/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		11/11/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		11/11/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		11/11/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		11/11/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		11/11/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		11/11/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		11/11/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		11/11/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		11/11/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		11/11/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		11/11/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		11/11/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		11/11/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		11/11/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		11/11/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		11/11/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		11/11/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		11/11/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/11/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/11/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		11/11/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		11/11/2016	CJR	1
cis-1,2-Dichloroethene	22	ug/l	0.45	1.4	1	8260B		11/11/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		11/11/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		11/11/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		11/11/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		11/11/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		11/11/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		11/11/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		11/11/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		11/11/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		11/11/2016	CJR	1
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		11/11/2016	CJR	1
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		11/11/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		11/11/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		11/11/2016	CJR	1
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		11/11/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		11/11/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		11/11/2016	CJR	1
Tetrachloroethene	29.9	ug/l	0.49	1.5	1	8260B		11/11/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		11/11/2016	CJR	1
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		11/11/2016	CJR	1
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		11/11/2016	CJR	1
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		11/11/2016	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		11/11/2016	CJR	1
Trichloroethene (TCE)	9.0	ug/l	0.47	1.5	1	8260B		11/11/2016	CJR	1
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		11/11/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		11/11/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		11/11/2016	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		11/11/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		11/11/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		11/11/2016	CJR	1
SUR - Toluene-d8	109	REC %			1	8260B		11/11/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	95	REC %			1	8260B		11/11/2016	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		11/11/2016	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		11/11/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
 Project # 3023

Invoice # E32041

Lab Code 5032041E
 Sample ID PZ-2
 Sample Matrix Water
 Sample Date 11/6/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 220	ug/l	220	700	500	8260B		11/11/2016	CJR	1
Bromobenzene	< 240	ug/l	240	750	500	8260B		11/11/2016	CJR	1
Bromodichloromethane	< 230	ug/l	230	750	500	8260B		11/11/2016	CJR	1
Bromoform	< 230	ug/l	230	750	500	8260B		11/11/2016	CJR	1
tert-Butylbenzene	< 550	ug/l	550	1700	500	8260B		11/11/2016	CJR	1
sec-Butylbenzene	< 600	ug/l	600	1900	500	8260B		11/11/2016	CJR	1
n-Butylbenzene	< 500	ug/l	500	1650	500	8260B		11/11/2016	CJR	1
Carbon Tetrachloride	< 255	ug/l	255	800	500	8260B		11/11/2016	CJR	1
Chlorobenzene	< 230	ug/l	230	700	500	8260B		11/11/2016	CJR	1
Chloroethane	< 325	ug/l	325	1050	500	8260B		11/11/2016	CJR	1
Chloroform	< 215	ug/l	215	700	500	8260B		11/11/2016	CJR	1
Chloromethane	< 950	ug/l	950	3000	500	8260B		11/11/2016	CJR	1
2-Chlorotoluene	< 200	ug/l	200	650	500	8260B		11/11/2016	CJR	1
4-Chlorotoluene	< 315	ug/l	315	1000	500	8260B		11/11/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 700	ug/l	700	2250	500	8260B		11/11/2016	CJR	1
Dibromochloromethane	< 225	ug/l	225	700	500	8260B		11/11/2016	CJR	1
1,4-Dichlorobenzene	< 245	ug/l	245	800	500	8260B		11/11/2016	CJR	1
1,3-Dichlorobenzene	< 260	ug/l	260	800	500	8260B		11/11/2016	CJR	1
1,2-Dichlorobenzene	< 230	ug/l	230	750	500	8260B		11/11/2016	CJR	1
Dichlorodifluoromethane	< 435	ug/l	435	1400	500	8260B		11/11/2016	CJR	1
1,2-Dichloroethane	< 240	ug/l	240	750	500	8260B		11/11/2016	CJR	1
1,1-Dichloroethane	< 550	ug/l	550	1800	500	8260B		11/11/2016	CJR	1
1,1-Dichloroethene	< 325	ug/l	325	1050	500	8260B		11/11/2016	CJR	1
cis-1,2-Dichloroethene	< 225	ug/l	225	700	500	8260B		11/11/2016	CJR	1
trans-1,2-Dichloroethene	< 270	ug/l	270	850	500	8260B		11/11/2016	CJR	1
1,2-Dichloropropane	< 215	ug/l	215	685	500	8260B		11/11/2016	CJR	1
2,2-Dichloropropane	< 1550	ug/l	1550	4900	500	8260B		11/11/2016	CJR	1
1,3-Dichloropropane	< 210	ug/l	210	650	500	8260B		11/11/2016	CJR	1
Di-isopropyl ether	< 220	ug/l	220	700	500	8260B		11/11/2016	CJR	1
EDB (1,2-Dibromoethane)	< 315	ug/l	315	1000	500	8260B		11/11/2016	CJR	1
Ethylbenzene	< 355	ug/l	355	1150	500	8260B		11/11/2016	CJR	1
Hexachlorobutadiene	< 1100	ug/l	1100	3550	500	8260B		11/11/2016	CJR	1
Isopropylbenzene	< 410	ug/l	410	1300	500	8260B		11/11/2016	CJR	1
p-Isopropyltoluene	< 550	ug/l	550	1750	500	8260B		11/11/2016	CJR	1
Methylene chloride	< 650	ug/l	650	2100	500	8260B		11/11/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 550	ug/l	550	1850	500	8260B		11/11/2016	CJR	1
Naphthalene	< 800	ug/l	800	2600	500	8260B		11/11/2016	CJR	1
n-Propylbenzene	< 385	ug/l	385	1200	500	8260B		11/11/2016	CJR	1
1,1,2,2-Tetrachloroethane	< 260	ug/l	260	850	500	8260B		11/11/2016	CJR	1
1,1,1,2-Tetrachloroethane	< 240	ug/l	240	750	500	8260B		11/11/2016	CJR	1
Tetrachloroethene	44000	ug/l	245	750	500	8260B		11/11/2016	CJR	1
Toluene	< 220	ug/l	220	700	500	8260B		11/11/2016	CJR	1
1,2,4-Trichlorobenzene	< 850	ug/l	850	2800	500	8260B		11/11/2016	CJR	1
1,2,3-Trichlorobenzene	< 1350	ug/l	1350	4300	500	8260B		11/11/2016	CJR	1
1,1,1-Trichloroethane	< 420	ug/l	420	1350	500	8260B		11/11/2016	CJR	1
1,1,2-Trichloroethane	< 240	ug/l	240	760	500	8260B		11/11/2016	CJR	1
Trichloroethene (TCE)	2010	ug/l	235	750	500	8260B		11/11/2016	CJR	1
Trichlorofluoromethane	< 435	ug/l	435	1400	500	8260B		11/11/2016	CJR	1
1,2,4-Trimethylbenzene	< 800	ug/l	800	2500	500	8260B		11/11/2016	CJR	1
1,3,5-Trimethylbenzene	< 750	ug/l	750	2400	500	8260B		11/11/2016	CJR	1
Vinyl Chloride	< 85	ug/l	85	270	500	8260B		11/11/2016	CJR	1
m&p-Xylene	< 1100	ug/l	1100	3450	500	8260B		11/11/2016	CJR	1
o-Xylene	< 450	ug/l	450	1450	500	8260B		11/11/2016	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			500	8260B		11/11/2016	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			500	8260B		11/11/2016	CJR	1
SUR - Dibromofluoromethane	107	REC %			500	8260B		11/11/2016	CJR	1
SUR - Toluene-d8	107	REC %			500	8260B		11/11/2016	CJR	1

Project Name 3217 W. VILLARD AVE.,
Project # 3023

Invoice # E32041

"J" Flag: Analyte detected between LOD and LOQ

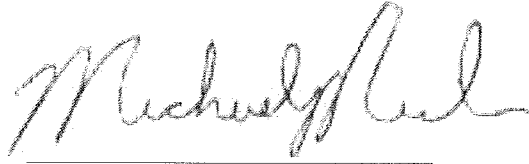
LOD Limit of Detection

LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
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



A handwritten signature in cursive script, appearing to read "Michael J. Paul", written over a horizontal line.