



March 20, 2019

Wisconsin Department of Natural Resources
Attn: Mr. Matt Thompson
1300 West Clairemont Avenue
Eau Claire, WI 54701



Subject:

Update Report
Pioneer Bank – Former Judges Cleaners
701 South Central Avenue
Marshfield, WI, 54449
BRRTS #02-72-522339

Dear Mr. Thompson:

On behalf of Mr. Pat Schreiner, REI Engineering, Inc. (REI) hereby submits one (1) copy of the above referenced report. REI has completed the approved scope of services which included three (3) additional rounds of groundwater monitoring to establish CVOC trends at the subject property. Based on current site conditions, REI recommends submitting the site for case closure consideration.

If upon review of this report you have any comments, questions and/or require additional information please contact our office at (715) 675-9784.

Sincerely,
REI Engineering, Inc.

Brian J. Bailey
Environmental Scientist

Enclosure (A/S)

cc: Mr. Pat Schreiner, 106 E 4th Street, Marshfield, WI 54449 (e-copy)



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**CIVIL & ENVIRONMENTAL
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**UPDATE REPORT
PIONEER BANK – FORMER JUDGES
CLEANERS**

**701 SOUTH CENTRAL AVENUE
MARSHFIELD, WI
BRRTS #02-72-522339**

REI PROJECT #5403



**COMPREHENSIVE
SERVICES WITH
PRACTICAL
SOLUTIONS**



UPDATE REPORT

**PIONEER BANK – FORMER JUDGES CLEANERS
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WI
BRRTS #02-72-522339**

REI PROJECT #5403



PREPARED FOR:

**Mr. Pat Schreiner
108 E 4th Street
Marshfield, WI 54449**

MARCH 2019

UPDATE REPORT

**PIONEER BANK – FORMER JUDGES CLEANERS
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WI
BRRTS #02-72-522339**

REI PROJECT #5403

The recommendations contained in this report are based on the information obtained from our study of the site and were arrived at in accordance with accepted hydrogeologic and engineering practices at this time and location.

"I, Brian J. Bailey, hereby certify that I am a scientist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."

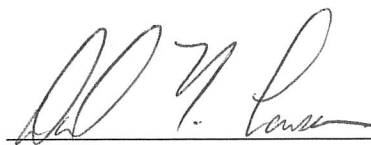


Environmental Scientist

3-20-19

Date

"I, David N. Larsen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Admn. Code, and that to the best of my knowledge, all the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code."



Hydrogeologist

3/20/19

Date

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UPDATE REPORT

PIONEER BANK – FORMER JUDGES CLEANERS 701 SOUTH CENTRAL AVENUE MARSHFIELD, WI BRRTS #02-72-522339

REI PROJECT #5403

1.0 INTRODUCTION

1.1 Purpose

The Pioneer Bank / Former Judges Cleaners property is located at 701 South Central Avenue in the NW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 08, Township 25 North, Range 03 East, City of Marshfield, Wood County, Wisconsin (Figure 1). WTM coordinates for the site are 505944/465328. Figure 2 presents the site layout with relevant historic and recent sample point locations identified. This report presents the results of a limited scope of work. The approved scope of work included groundwater monitoring for three (3) additional rounds and completion of an update report regarding status of the CVOC plume.

2.0 SUMMARY OF ACTIVITIES

2.1 Monitoring Well Sampling Results

REI personnel were on site to sample the well network on April 26, July 19, and October 18, 2018. Depth to water was measured in all remaining wells and is presented in Table 1. The existing monitoring well network was resurveyed on April 26, 2018 and top of casing elevations are recorded in Table 1. Low flow sampling technology was employed for the sampling of the entire well network. Once groundwater demonstrated stability (using a YSI multiparameter field meter and flow cell), a sample was collected in laboratory prepared vials. All purge water was containerized for disposal at the City of Wausau wastewater treatment facility.

Groundwater samples were collected and submitted to a State certified laboratory for chemical analysis of volatile organic compounds (VOCs). Copies of the analytical chemistry reports are presented in Appendix A.

The results of the REI groundwater sampling events and the historical groundwater sampling events are summarized in Tables 2a-m. Groundwater sample results document residual groundwater contamination in concentrations exceeding the NR 140.10 Groundwater Quality Enforcement Standards (ES) at sample location MW5 and MW10. These CVOC concentrations appear to be stable/decreasing over time.

Groundwater sample results document residual groundwater contamination in concentrations exceeding the NR 140.10 Groundwater Quality Preventive Action Limit (PAL) in PZ2 except for the most recent sample event. However, the results at PZ2 are consistent with stable/decreasing trends across the site.

Time verse concentration plots were prepared for MW2, MW5, MWB-7, MW10 and PZ2 for tetrachloroethene (PCE). This series of monitoring wells and piezometer have historically documented impacts for PCE. Each of these plots revealed reducing or relatively stable trends over time. Copies of the time verse concentration plots are presented in Appendix B.

Further observations of water chemistry at MW5 reveal reductive dechlorination of PCE has consistently occurred over time. This is evidenced by the presence of breakdown compounds including trichloroethene (TCE), cis-1,2-dichloroethene, trans-1,2-dichloroethene and vinyl chloride.

Figures 3, 4 and 5 present groundwater contour maps from the data collected on April 26, July 19, and October 18, 2018. Groundwater flow direction documents flow that may be radially into the subject property. This is due to the presence of a utility corridor that is acting as an interceptor for shallow groundwater flow. Notes contained in the WDNR project file indicate that the water table slopes towards the utility trenches to the northeast and northwest of the site.

2.2 Monitoring Well Abandonments

The property directly the south of the Pioneer Bank property with site address 725 South Central Avenue, Marshfield, WI underwent redevelopment beginning in the late fall of 2017 and continued into 2018. Cedar Corp was the Engineer of record for the redevelopment at 725 South Central Avenue. Cedar Corp reached out to WDNR regarding adjusting the well casing elevations for MW-7R and MW-10 located on the 725 South Central Avenue property as part of the redevelopment to preserve these monitoring wells. WDNR reached out to REI to confirm there was no conflict with the adjustment. REI confirmed there were no issues with adjusting well casing elevations. REI reached out to Cedar Corp to communicate that there was no issue with well casing elevation adjustment so long as they provided resurvey information and preserved the integrity of the monitoring points.

On December 19, 2017, REI visited the site and determined that MW-7R appeared to be missing. REI followed up with Cedar Corp regarding the status of MW-7R. Cedar Corp followed up with the contractor (DKS Construction Service, Inc.) and it was confirmed that they removed/abandoned the well. The well abandonment form is included in Appendix B. Monitoring well MW-7R was only sampled one time after installation in August 2013.

During the July 19, 2018 sampling event, REI discovered that MW10 was missing and was likely removed during the ongoing building construction project. On August 1, 2018, REI notified WDNR Project Manager regarding the missing well.

REI later received well abandonment form from the contractor (DKS Construction Service, Inc.) and it was confirmed that they removed/abandoned the well. The WDNR Project Manager responded on September 5, 2018 and recommended REI complete the approved scope of work without MW10 and forego replacement of that well. The well abandonment form is also included in Appendix C.

3.0 CONCLUSIONS & RECOMMENDATIONS

The presence of CVOC contaminated groundwater exists in connection with the historic release at the subject property. Based on the groundwater analytical data, there has been a reduction in the chlorinated compounds with generally decreasing/stable trends across the site. Consistent reductive dechlorination has been documented at MW5 evidenced by the presence of PCE breakdown compounds over time. The three (3) additional sampling events collected with this scope of services in 2018 supported that condition. The degree and extent of contamination has been defined and significant contaminant migration has not been identified over the life of the investigation. Additionally, sub-slab vapor analytical sample results collected in August 2013 and January 2018 document that a vapor risk is not present at the subject property (Table 3). REI recommends submitting the Pioneer Bank / Former Judges Cleaners site for case closure consideration.

Table 1
Depth to Water and Water Level Elevations
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Depth to Water (feet) below Reference Elevation

Date	MW1/MWX	MW2	MW3	MW4	MW5	MW6	MW7	MW7R	MWB-7	MW8	MW9	MW10	PZ1	PZ2
11/20/2007	13.2	16.91	14.72	11.09	14.61	12.5	10.86	NI	-	NI	NI	NI	NI	NI
5/28/2008	NM	NM	NM	8.8	NM	NM	NM	NI	-	NM	NM	NI	NM	NI
5/29/2008	NM	NM	12.40	NM	NM	NM	8.01	NI	-	NM	NM	NI	14.79	NI
5/30/2008	NM	12.15	NM	NM	12.18	NM	NM	NI	-	7.74	14.41	NI	NM	NI
8/11/2008	NM	11.79	12.67	8.97	NM	11.75	10.26	NI	-	9.41	14.74	NI	15.01	NI
8/12/2008	12.01	NM	NM	NM	12.54	NM	NM	NI	-	NM	NM	NI	NM	NI
12/2/2008	NM	NM	14.21	10.86	NM	13.85	11.28	NI	-	9.81	15.34	NI	NM	NI
12/3/2008	11.58	13.32	NM	NM	14.28	NM	NM	NI	-	NM	NM	NI	15.73	NI
11/7/2012	12.32	12.54	13.57	10.40	12.74	12.03		NI	-	8.54		17.99	15.28	16.66
8/12/2013	10.55	10.98	11.98	8.31	11.36	11.08		3.77	-	7.26		11.73	14.61	15.97
1/10/2018		12.17	13.91	10.82	13.32	12.43		Lost to Construction	-	9.78	Lost to Construction	13.36	15.62	16.50
4/26/2018	Lost to construction	10.18	11.27	7.80	11.15	9.81		Lost to construction	9.41	7.58	Lost to Construction	11.95	14.79	16.05
7/19/2018		10.50	11.52	8.27	11.35	9.42			9.55	8.00		Lost to construction	14.48	15.87
10/18/2018		11.85	12.54	9.64	11.54	9.87			10.74	7.04			14.37	15.73

Measuring Point Elevations (top of well casing)

Elevations referenced to a U.S.G.S. Benchmark (feet MSL) - unless provided by others

Initial Survey (AECOM)	1,251.48	1,251.97	1,252.57	1,251.91	1,252.98	1,253.98	1,252.01			1,251.79	1,251.54		1,252.28	
Resurvey (REI) 4-26-18		1,261.23	1,262.27	1,261.36	1,262.29	1,263.27		1,252.14		1,261.35	1,260.93		1,254.19	1,253.36
													1,263.45	1,261.00

Depth to Water (feet) below Ground Surface

Average	11.93	12.24	12.88	9.50	12.51	11.42	10.10	3.77	9.90	8.35	14.83	13.76	14.96	16.13
Maximum	10.55	10.18	11.27	7.8	11.15	9.42	8.01	3.77	9.41	7.04	14.41	11.73	14.37	15.73
Minimum	13.2	16.91	14.72	11.09	14.61	13.85	11.28	3.77	10.74	9.81	15.34	17.99	15.73	16.66
Range	2.65	6.73	3.45	3.29	3.46	4.43	3.27	0	1.33	2.77	0.93	6.26	1.36	0.93

Water Level Elevation (feet MSL)

Date	MW1/MWX	MW2	MW3	MW4	MW5	MW6	MW7	MW7R	MWB-7	MW8	MW9	MW10	PZ1	PZ2
11/20/2007	1,238.28	1,235.06	1,237.85	1,240.82	1,238.37	1,241.48	1,241.15							
5/28/2008				1,243.11										
5/29/2008			1,240.17				1,244.00						1,237.49	
5/30/2008		1,239.82			1,240.80					1,244.05	1,237.13			
8/11/2008		1,240.18	1,239.90	1,242.94		1,242.23	1,241.75			1,242.38	1,236.80		1,237.27	
8/12/2008	1,239.47				1,240.44									
12/2/2008			1,238.36	1,241.05		1,240.13	1,240.73			1,241.98	1,236.20			
12/3/2008	1,239.90	1,238.65			1,238.70								1,236.55	
11/7/2012	1,239.16	1,239.43	1,239.00	1,241.51	1,240.24	1,241.95				1,243.25		1,236.20	1,237.00	1,236.70
8/12/2013	1,240.93	1,240.99	1,240.59	1,243.60	1,241.62	1,242.90		1,248.37		1,244.53		1,242.46	1,237.67	1,237.39
1/10/2018		1,239.80	1,238.66	1,241.09	1,239.66	1,241.55				1,242.01		1,240.83	1,236.66	1,236.86
4/26/2018		1,251.05	1,251.00	1,253.56	1,251.14	1,253.46			1,251.94	1,253.35		1,251.50	1,246.21	1,245.94
7/19/2018		1,250.73	1,250.75	1,253.09	1,250.94	1,253.85			1,251.80	1,252.93			1,246.52	1,246.12
10/18/2018		1,249.38	1,249.73	1,251.72	1,250.75	1,253.40			1,250.61	1,253.89			1,246.63	1,246.26

NI - not installed
 NM - not measured

**Table 2a
Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, WI**

Sample Location				MW1			
Sample Collected By				AECOM			
Date				11/20/2007	5/29/2008	8/12/2008	12/3/2008
VOC Parameters	ES	PAL	Units				
Benzene	5	0.5	µg/L	14,400	523	1,420	694
Toluene	800	160	µg/L	<400	8.59	6.54	<3.00
Ethylbenzene	700	140	µg/L	<i>547</i>	27.4	49.9	20.6
Xylenes (mixed isomers)	2,000	400	µg/L	< 600	17.78	12.31	26.1 ^J
Methyl tert-Butyl Ether (MTBE)	60	12	µg/L	NA	9.79	4.78	54.3
Trimethylbenzenes (mixed isomers)	480	96	µg/L	443	42.6	40.8	18.4 ^J
Naphthalene	100	10	µg/L	<1,000	1.56	<i>86.7</i>	6.41
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	324	NA	NA	NA
cis-1,2-Dichloroethene	70	7	µg/L	<200	NA	NA	NA
trans-1,2-Dichloroethene	100	20	µg/L	<200	NA	NA	NA
Tetrachloroethene (PCE)	5	0.5	µg/L	<300	NA	NA	NA
Trichloroethene (TCE)	5	0.5	µg/L	<200	NA	NA	NA
Vinyl chloride	0.2	0.02	µg/L	<200	NA	NA	NA
Inorganic Parameters							
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA
Dissolved Iron	300	150	µg/L	31	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<i>6.54</i>	0.97	<i>2.26</i>	< 0.60
Dissolved Manganese	50	25	µg/L	1,190	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA
Total Sulfate	250	125	mg/L	40.3	NA	NA	NA
Field Measurements							
Temperature	-	-	°F	57.74	48.88	57.42	54.43
Conductivity	-	-	µmhos/cm	NA	1,039	943	953
pH	-	-	s.u.	NA	6.66	6.77	6.48
Dissolved Oxygen	-	-	mg/L	0.73	0.64	0.18	0.18
Oxidation Reduction Potential	-	-	mV	149	39.4	16.9	-11.5

Well Lost To
Road
Construction

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

<i>Italics</i>

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2b
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM				MW2		REI			
Sample Collected By				Date				REI		REI			
				11/20/2007	5/30/2008	8/11/2008	12/3/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<2	49.4	10.3	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<i>188</i>	20.8	5.37	6.06	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<i>230</i>	45.5	17.6	9.6	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	2,606	43.3	20.14	6.29 ^J	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<i>16.4</i>	1.98	3.92	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	1,195	54.8	32.2	6.8	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	139	5.69	0.257 ^J	0.313 ^J	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<2	NA	NA	NA	<0.45	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<2	NA	NA	NA	<0.83	<0.42	3.0	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<2	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<3	NA	NA	NA	<0.45	<0.47	5.4	<i>0.56^J</i>	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<2	NA	NA	NA	<0.48	<0.43	3.4	<i>0.38^J</i>	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<2	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<i>14.8</i>	<i>3.95^J</i>	<i>1.38^J</i>	<i>0.91^J</i>	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	1,030	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	20.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	NA	50.34	58.96	56.39	61.44	NA	52.70	54.57	56.40	62.80
Conductivity	-	-	µmhos/cm	NA	5,625	3,814	2,648	8,071	NA	8,918	13,139	10,231	14,029
pH	-	-	s.u.	NA	6.44	6.67	6.38	6.39	NA	6.09	5.39	7.95	6.31
Dissolved Oxygen	-	-	mg/L	NA	0.30	0.23	0.15	0.57	NA	6.53	5.08	1.27	1.74
Oxidation Reduction Potential	-	-	mV	75	6.4	-46.3	-7.3	131.6	NA	49.3	17.3	116.0	171.3

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2c
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM				MW3		REI			
Sample Collected By				Date				REI		REI			
				11/20/2007	5/29/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<0.20	<1.00	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<3.00	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.10	<1.70	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	< 0.60	<0.980	<0.980	<0.980	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.118	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.36	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<0.010	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	< 0.30	< 1.50	< 6.0	< 0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	909	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	1.08	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	6.08	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	59.72	50.94	53.08	56.71	62.02	NA	54.81	50.72	59.35	61.0
Conductivity	-	-	µmhos/cm	NA	10,322	2,696	6,923	5,139	NA	5,876	7,580	9,668	10,641
pH	-	-	s.u.	NA	6.09	6.35	6.05	5.60	NA	5.05	5.10	6.51	5.40
Dissolved Oxygen	-	-	mg/L	6.08	0.77	0.46	0.28	6.39	NA	5.02	10.59	5.26	3.64
Oxidation Reduction Potential	-	-	mV	160	175	105.7	170.1	142.8	NA	105.1	54.8	167.6	206.5

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

BOLD
<i>Italics</i>

**Table 2d
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				AECOM				MW4		REI			
Sample Collected By				AECOM				REI		REI			
Date				11/20/2007	5/28/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l					43.9	127	25.1	35.7	28.5	41.6
Toluene	800	160	µg/l					<i>209</i>	1,020	8.0	11.2	5.7	5.9 ^J
Ethylbenzene	700	140	µg/l					<i>521</i>	960	<i>360</i>	<i>540</i>	<i>441</i>	<i>514</i>
Xylenes (mixed isomers)	2,000	400	µg/l					<i>942</i>	2,421	360	<i>887</i>	<i>533</i>	<i>433.3</i>
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l					<2.4	<4.9	<0.35	<0.87	<6.2	<6.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l					<i>236</i>	671	<i>435</i>	570	<i>401.3</i>	<i>429</i>
Naphthalene	100	10	µg/l					205	391	<i>68.8</i>	<i>83.9</i>	<i>74.3</i>	<i>65.1</i>
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L					<1.4	<4.8	<0.34	<0.84	<1.4	<1.4
cis-1,2-Dichloroethene	70	7	µg/L					<3.3	<4.2	<0.51	<1.3	<1.4	<1.4
trans-1,2-Dichloroethene	100	20	µg/L	Free	Free	Free	Free	<3.6	<3.7	<0.51	<1.3	<5.5	<5.5
Tetrachloroethene (PCE)	5	0.5	µg/L	Product	Product	Product	Product	<1.8	<4.7	<1.0	<2.5	<1.6	<1.6
Trichloroethene (TCE)	5	0.5	µg/L	In Well	In Well	In Well	In Well	<1.9	<4.3	<0.66	<1.7	<1.3	<1.3
Vinyl chloride	0.2	0.02	µg/L	Not	Not	Not	Not	<0.72	<1.8	<0.35	<1.8	<0.87	<0.87
Inorganic Parameters				Sampled	Sampled	Sampled	Sampled						
Dissolved Cadmium	5	0.5	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L					NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L					NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L					NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L					NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F					58.96	NA	48.63	47.65	59.17	60.6
Conductivity	-	-	µmhos/cm					8,141	NA	11,895	13,231	14,870	14,344
pH	-	-	s.u.					6.39	NA	6.46	5.70	10.63	6.56
Dissolved Oxygen	-	-	mg/L					1.56	NA	0.82	7.27	1.23	1.13
Oxidation Reduction Potential	-	-	mV					-130.2	NA	-153.9	-132.4	-97.9	-104.4

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2e
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM				MWS					
Sample Collected By				Date				REI		REI			
				11/20/2007	5/30/2008	8/12/2008	12/3/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	80.6	41.9	83.8	62.9	32.1	20.9	79.5	3.3	170	139
Toluene	800	160	µg/l	<20.0	1.43	1.44	1.75 ^J	<16.8	<8.8	<10.0	<0.50	1.4	1.1 ^J
Ethylbenzene	700	140	µg/l	<5.00	1.25 ^J	<0.500	0.808	<13.5	<10.0	<10.0	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	12.4	3.46 ^J	<0.980	0.605 ^J	<45	<16.3	<30.0	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<15.2	<9.9	<3.5	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	27	1.16 ^J	<0.400	<0.400	<24.2	<50	<10.0	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<50.0	<0.113	<0.117	<0.112	<22.2	<50	<50.0	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<10.0	NA	NA	NA	<9.0	<9.5	<3.4	2.1	5.9	6.0
cis-1,2-Dichloroethene	70	7	µg/L	2,350	NA	NA	NA	2,340	1,550	1,690	1,130	1,680	1,390
trans-1,2-Dichloroethene	100	20	µg/L	184	NA	NA	NA	32.0	31.9	51.7	11.3	22.9	23.3
Tetrachloroethene (PCE)	5	0.5	µg/L	2,680	NA	NA	NA	553	291	179	175	218	215
Trichloroethene (TCE)	5	0.5	µg/L	2,910	NA	NA	NA	605	388	410	251	348	312
Vinyl chloride	0.2	0.02	µg/L	<10.0	NA	NA	NA	<4.5	<3.7	<3.5	<0.18	2.9	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	0.36	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	474	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	<0.10	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	26.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	57.74	53.08	56.77	57.15	60.23	NA	54.73	52.74	59.06	61.3
Conductivity	-	-	µmhos/cm	NA	2,696	1,845	1,428	1,899	NA	1,673	3,117	2,762	3,062
pH	-	-	s.u.	NA	6.35	6.37	6.15	6.29	NA	6.13	5.07	7.34	6.13
Dissolved Oxygen	-	-	mg/L	3.68	0.46	0.16	0.37	1.87	NA	4.27	4.47	1.10	1.01
Oxidation Reduction Potential	-	-	mV	166	105.7	139.1	55.4	145.2	NA	59.8	22.2	123.6	166.6

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded **BOLD**
Preventive Action Limit exceeded *Italics*

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2f
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM				MWG		REI			
Sample Collected By				Date				REI		REI			
Date				11/20/2007	5/28/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit										
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.10	<0.500	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<0.980	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.147	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.75	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA	<0.89	<0.37	<0.26	<0.26	<0.27	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17
Inorganic Parameters													
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.30	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	277	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	0.81	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	144	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements													
Temperature	-	-	°F	59.00	50.83	63.10	56.75	60.42	NA	52.01	48.57	60.05	61.6
Conductivity	-	-	µmhos/cm	NA	1,373	1,167	1,412	2,365	NA	1,785	631	2,157	2,892
pH	-	-	s.u.	NA	5.19	5.91	5.52	5.42	NA	5.02	5.90	6.16	5.32
Dissolved Oxygen	-	-	mg/L	3.84	2.84	3.58	1.80	4.13	NA	4.45	7.13	5.78	4.07
Oxidation Reduction Potential	-	-	mV	147	181	175.3	194.3	146.9	NA	115.4	54.7	175.2	235.7

Project Stalled

Project Stalled

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2g
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MW7				REI	MW7R		
Sample Collected By				AECOM					REI	REI	
Date				11/20/2007	5/29/2008	8/11/2008	12/2/2008			11/7/2012	8/12/2013
VOC Parameters	ES	PAL	Unit								
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.310		<0.50		
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.300		<0.44		
Ethylbenzene	700	140	µg/l	<0.10	<0.500	<0.500	<0.500		<0.50		
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<0.980		<0.82		
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	NA	<0.300	<0.300	<0.300		<0.49		
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.400		<2.5		
Naphthalene	100	10	µg/l	<1.00	<0.110	<0.121	<0.115		<2.5		
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.20	NA	NA	NA		<0.48		
cis-1,2-Dichloroethene	70	7	µg/L	<0.20	NA	NA	NA		<0.42		
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	NA	Well	<0.37		
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	NA	Lost	<0.47		
Trichloroethene (TCE)	5	0.5	µg/L	<0.20	NA	NA	NA	to	<0.43		
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	NA	Road	<0.18		
Inorganic Parameters								Construction			
Dissolved Cadmium	5	0.5	µg/L	<0.20	NA	NA	NA		NA		
Dissolved Iron	300	150	µg/L	<10.0	NA	NA	NA		NA		
Dissolved Lead	15	1.5	µg/L	<0.30	<1.50	<0.60	<0.60		NA		
Dissolved Manganese	50	25	µg/L	492	NA	NA	NA		NA		
Total Nitrate/Nitrite as N	10	2	mg/L	<i>6.81</i>	NA	NA	NA		NA		
Total Sulfate	250	125	mg/L	312	NA	NA	NA		NA		
Field Measurements											
Temperature	-	-	°F	56.66	49.48	55.47	55.42		NA		
Conductivity	-	-	µmhos/cm	NA	2,018	2,532	2,926		NA		
pH	-	-	s.u.	NA	6.54	6.48	6.11		NA		
Dissolved Oxygen	-	-	mg/L	6.13	5.58	3.38	4.50		NA		
Oxidation Reduction Potential	-	-	mV	136	134.7	112.4	147.7		NA		

Project Stalled

Well Lost To Building Construction

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2h
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MWB-7							
Sample Collected By				REI		REI					
Date				11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018		
VOC Parameters	ES	PAL	Unit								
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25		
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17		
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22		
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47		
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2		
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87		
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2		
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	1.0	<0.48	<0.17	<0.17	<0.28	<0.28		
cis-1,2-Dichloroethene	70	7	µg/L	<0.83	<0.42	1.4	<0.26	<0.27	1.4		
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26	<0.27	<0.26		
Tetrachloroethene (PCE)	5	0.5	µg/L	0.90 ^J	0.71 ^J	2.8	<0.50	<0.33	<0.33		
Trichloroethene (TCE)	5	0.5	µg/L	1.4	0.74 ^J	1.9	<0.33	<0.26	<0.26		
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18	<0.17	<0.18		
Inorganic Parameters											
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA	NA	NA		
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA		
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA		
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA		
Field Measurements											
Temperature	-	-	°F	60.23	NA	52.11	46.31	61.92	60.6		
Conductivity	-	-	µmhos/cm	2347	NA	17,700	44,168	46,941	50,083		
pH	-	-	s.u.	5.95	NA	5.84	4.53	7.25	5.70		
Dissolved Oxygen	-	-	mg/L	0.57	NA	3.1	5.01	3.86	1.07		
Oxidation Reduction Potential	-	-	mV	-12.3	NA	60.9	57.4	143.1	201.2		

Project Stalled

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR140.10 Preventive Action Limits
- µg/l = parts per billion
- Enforcement Standard exceeded **BOLD**
- Preventive Action Limit exceeded *Italics*
- NA = Not Analyzed
- NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2i
Summary of Groundwater Analytical Results
MW8
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				AECOM			MW8		REI			
Sample Collected By				5/30/2008	8/11/2008	12/2/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
Date	ES	PAL	Unit									
VOC Parameters												
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.20	<0.500	<0.500	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	<1.8	<0.82	<1.50	<1.50	<1.50	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<1.00	<0.121	<0.110	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.30	NA	NA	<0.75	<0.48	<0.17	<0.17	<0.28	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.30	NA	NA	<0.83	<0.42	<0.26	<0.26	<1.1	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	<0.45	<0.47	<0.50	<0.50	<0.33	<0.33
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA	<0.48	<0.43	<0.33	<0.33	<0.26	<0.26
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17
Inorganic Parameters												
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	<0.60	<0.60	<0.60	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements												
Temperature	-	-	°F	49.23	56.48	55.53	57.19	NA	49.42	44.34	57.36	59.70
Conductivity	-	-	µmhos/cm	1,220	1,017	1,164	1,077	NA	840	1,156	1,205	1,697
pH	-	-	s.u.	6.09	6.10	5.68	5.61	NA	5.75	5.88	6.48	6.15
Dissolved Oxygen	-	-	mg/L	6.73	6.36	2.20	3.38	NA	10.24	10.05	5.25	7.43
Oxidation Reduction Potential	-	-	mV	120.7	139.5	190.8	38.5	NA	76.7	43.5	159.2	120.9

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2j
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MW9			Well Lost To Road Construction
Sample Collected By				AECOM			
Date				5/30/2008	8/11/2008	12/2/2008	
VOC Parameters	ES	PAL	Unit				
Benzene	5	0.5	µg/l	<0.20	<0.310	<0.310	
Toluene	800	160	µg/l	<0.40	<0.300	<0.300	
Ethylbenzene	700	140	µg/l	<0.20	<0.500	<0.500	
Xylenes (mixed isomers)	2,000	400	µg/l	<0.60	<0.980	<0.980	
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300	
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.20	<0.400	<0.400	
Naphthalene	100	10	µg/l	<1.00	<0.118	<0.112	
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.30	NA	NA	
cis-1,2-Dichloroethene	70	7	µg/L	<0.30	NA	NA	
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	
Tetrachloroethene (PCE)	5	0.5	µg/L	<0.30	NA	NA	
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA	
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	
Inorganic Parameters							
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	
Dissolved Iron	300	150	µg/L	NA	NA	NA	
Dissolved Lead	15	1.5	µg/L	<0.60	<0.60	<0.60	
Dissolved Manganese	50	25	µg/L	NA	NA	NA	
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	
Total Sulfate	250	125	mg/L	NA	NA	NA	
Field Measurements							
Temperature	-	-	°F	49.98	56.55	54.41	
Conductivity	-	-	µmhos/cm	1,220	1,322	1,135	
pH	-	-	s.u.	6.43	6.45	6.41	
Dissolved Oxygen	-	-	mg/L	4.96	4.11	2.47	
Oxidation Reduction Potential	-	-	mV	81.9	125.5	103.5	

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2k
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				MW10					
Sample Collected By				REI		Project Stalled	REI		
Date				11/7/2012	8/12/2013		1/10/2018	4/26/2018	7/19/2018
VOC Parameters	ES	PAL	Unit						
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50		
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50		
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50		
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.50	<1.50		
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17		
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50		
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5		
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.36	<0.48	<0.17	<0.17		
cis-1,2-Dichloroethene	70	7	µg/L	16.3	4.8	2.8	2.8		
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26		
Tetrachloroethene (PCE)	5	0.5	µg/L	272	62.3	7.9	8.5		
Trichloroethene (TCE)	5	0.5	µg/L	27.7	13.2	4.3	4.3		
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18		
Inorganic Parameters									
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA		
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA		
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA		
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA		
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA		
Total Sulfate	250	125	mg/L	NA	NA	NA	NA		
Field Measurements									
Temperature	-	-	°F	56.55	NA	51.87	48.71		
Conductivity	-	-	µmhos/cm	760	NA	723	813		
pH	-	-	s.u.	6.3	NA	6.04	5.97		
Dissolved Oxygen	-	-	mg/L	7.2	NA	5.37	7.32		
Oxidation Reduction Potential	-	-	mV	127.1	NA	82.1	22.7		

Well Lost To
Building
Construction

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD

Preventive Action Limit exceeded

Italics

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

**Table 21
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin**

Sample Location				PZ1										
Sample Collected By				AECOM			REI		REI		REI			
Date				5/29/2008	8/11/2008	12/3/2008	11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018		
VOC Parameters	ES	PAL	Unit											
Benzene	5	0.5	µg/l	45.8	5.14	<i>0.990^J</i>	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25		
Toluene	800	160	µg/l	1.49	1.01	0.576 ^J	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17		
Ethylbenzene	700	140	µg/l	4.29	<0.500	<0.500	<0.54	<0.50	<0.50	<0.22	<0.22	<0.22		
Xylenes (mixed isomers)	2,000	400	µg/l	19.71	1.10 ^J	0.983 ^J	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47		
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.50	<0.300	<0.300	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2		
Trimethylbenzenes (mixed isomers)	480	96	µg/l	21.82	0.955 ^J	<0.310	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87		
Naphthalene	100	10	µg/l	7.56	0.361	<0.112	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2		
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<i>2.72</i>	NA	NA	<0.36	<0.48	<0.17	<0.17	<0.28	<0.28		
cis-1,2-Dichloroethene	70	7	µg/L	0.36 ^J	NA	NA	<0.83	<0.42	<0.26	<0.26	<0.27	<0.27		
trans-1,2-Dichloroethene	100	20	µg/L	<0.20	NA	NA	<0.89	<0.37	<0.26	<0.26	<1.1	<1.1		
Tetrachloroethene (PCE)	5	0.5	µg/L	0.45 ^J	NA	NA	<0.45	<0.47	1.0	<0.50	<0.33	<0.33		
Trichloroethene (TCE)	5	0.5	µg/L	<0.40	NA	NA	<0.48	<0.43	0.51 ^J	<0.33	<0.26	<0.26		
Vinyl chloride	0.2	0.02	µg/L	<0.20	NA	NA	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17		
Inorganic Parameters														
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Dissolved Lead	15	1.5	µg/L	<0.60	1.21 ^J	<0.60	NA	NA	NA	NA	NA	NA		
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA		
Field Measurements														
Temperature	-	-	°F	53.51	54.75	51.35	55.55	NA	53.86	52.90	54.92	59.10		
Conductivity	-	-	µmhos/cm	563	570	615	608	NA	530	1,150	885	640		
pH	-	-	s.u.	7.37	7.37	7.21	7.41	NA	7.60	6.86	8.00	7.49		
Dissolved Oxygen	-	-	mg/L	0.43	0.19	0.19	0.39	NA	0.67	2.52	2.41	0.48		
Oxidation Reduction Potential	-	-	mV	-87.6	-154.5	-84.4	-30.7	NA	-19.7	-7.8	106.5	113.7		

Notes:

ES = NR140.10 Enforcement Standards

PAL = NR140.10 Preventive Action Limits

µg/l = parts per billion

Enforcement Standard exceeded

BOLD
<i>Italics</i>

Preventive Action Limit exceeded

NA = Not Analyzed

NS = Not Sampled

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 2m
Summary of Groundwater Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample Location				PZ2					
Sample Collected By				REI		REI			
Date				11/7/2012	8/12/2013	1/10/2018	4/26/2018	7/19/2018	10/18/2018
VOC Parameters	ES	PAL	Unit						
Benzene	5	0.5	µg/l	<0.41	<0.50	<0.50	<0.50	<0.25	<0.25
Toluene	800	160	µg/l	<0.67	<0.44	<0.50	<0.50	<0.17	<0.17
Ethylbenzene	700	140	µg/l	<0.54	<0.50	<0.50	<0.50	<0.22	<0.22
Xylenes (mixed isomers)	2,000	400	µg/l	<1.8	<0.82	<1.5	<1.5	<1.5	<0.47
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	<0.61	<0.49	<0.17	<0.17	<1.2	<1.2
Trimethylbenzenes (mixed isomers)	480	96	µg/l	<0.97	<2.5	<0.50	<0.50	<0.87	<0.87
Naphthalene	100	10	µg/l	<0.89	<2.5	<2.5	<2.5	<1.2	<1.2
1,2-Dichloroethane (1,2-DCA)	5	0.5	µg/L	<0.36	<0.48	<0.17	<0.17	<0.17	<0.28
cis-1,2-Dichloroethene	70	7	µg/L	<0.83	<0.42	<0.26	0.89 ^J	<0.27	<0.27
trans-1,2-Dichloroethene	100	20	µg/L	<0.89	<0.37	<0.26	<0.26	<0.26	<1.1
Tetrachloroethene (PCE)	5	0.5	µg/L	<i>2.1</i>	<0.47	<i>1.3</i>	<i>2.5</i>	<i>0.88^J</i>	<i>0.38^J</i>
Trichloroethene (TCE)	5	0.5	µg/L	<i>0.93^J</i>	<0.43	<i>0.62^J</i>	<i>1.6</i>	<i>0.32^J</i>	<i>0.27^J</i>
Vinyl chloride	0.2	0.02	µg/L	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17
Inorganic Parameters									
Dissolved Cadmium	5	0.5	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Iron	300	150	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Lead	15	1.5	µg/L	NA	NA	NA	NA	NA	NA
Dissolved Manganese	50	25	µg/L	NA	NA	NA	NA	NA	NA
Total Nitrate/Nitrite as N	10	2	mg/L	NA	NA	NA	NA	NA	NA
Total Sulfate	250	125	mg/L	NA	NA	NA	NA	NA	NA
Field Measurements									
Temperature	-	-	°F	56.39	NA	55.21	55.44	52.58	56.7
Conductivity	-	-	µmhos/cm	1293	NA	1,065	1,359	1,397	1,852
pH	-	-	s.u.	6.7	NA	6.71	5.50	7.19	6.60
Dissolved Oxygen	-	-	mg/L	2.98	NA	6.53	5.33	1.59	0.52
Oxidation Reduction Potential	-	-	mV	99.7	NA	56.8	23.7	140.5	172.8

Project Stalled

Notes:

- ES = NR140.10 Enforcement Standards
- PAL = NR140.10 Preventive Action Limits
- µg/l = parts per billion
- Enforcement Standard exceeded
- Preventive Action Limit exceeded
- NA = Not Analyzed
- NS = Not Sampled

BOLD
<i>Italics</i>

J = Estimated value, concentration between the Limit of Detection and the Limit of Quantitation

Table 3
Sub Slab Vapor Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Small Commercial Building (Attenuation Factor 0.03)		8/12/2013	1/10/2018
Chemical ($\mu\text{g}/\text{m}^3$)	SS-VRSL	VP-1	
Acetone		274	21.8
Benzene	530	12.6	1.5
2-Butanone (MEK)		55.4	<0.39
Carbon Disulfide		6.3	<0.34
Cyclohexane		9.5	50.6
Dichlorodifluoromethane	15,000	2.3	<0.80
Ethylbenzene	1,600	12.2	13.9
4-Ethyltoluene		6.2	40.9
n-Heptane		13.4	33.3
n-Hexane		26.4	6.8
2-Hexanone		6.5	<1.2
Methylene Chloride	87,000	3.5	<2.9
Propylene		16.9	<0.30
Tetrachloroethene	6,000	79.6	267
Toluene	730,000	148	26.8
Trichloroethene	290	7.4	19.1
Trichlorofluoromethane		137	26.3
1,2,4-Trimethylbenzene	8,700	19	257
1,3,5-Trimethylbenzene	8,700	5.3	194
Vinyl Chloride	930	<0.53	<0.24
m&p-Xylene		47	147
o-Xylene		15.1	143
Xylene (Total)	15,000	62.1	290

Notes:

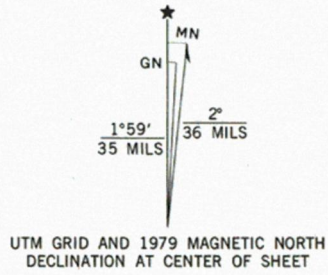
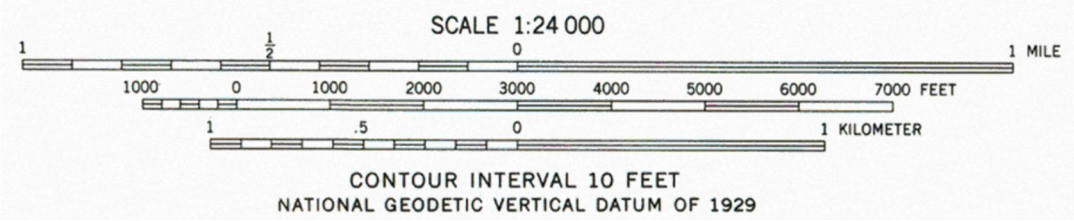
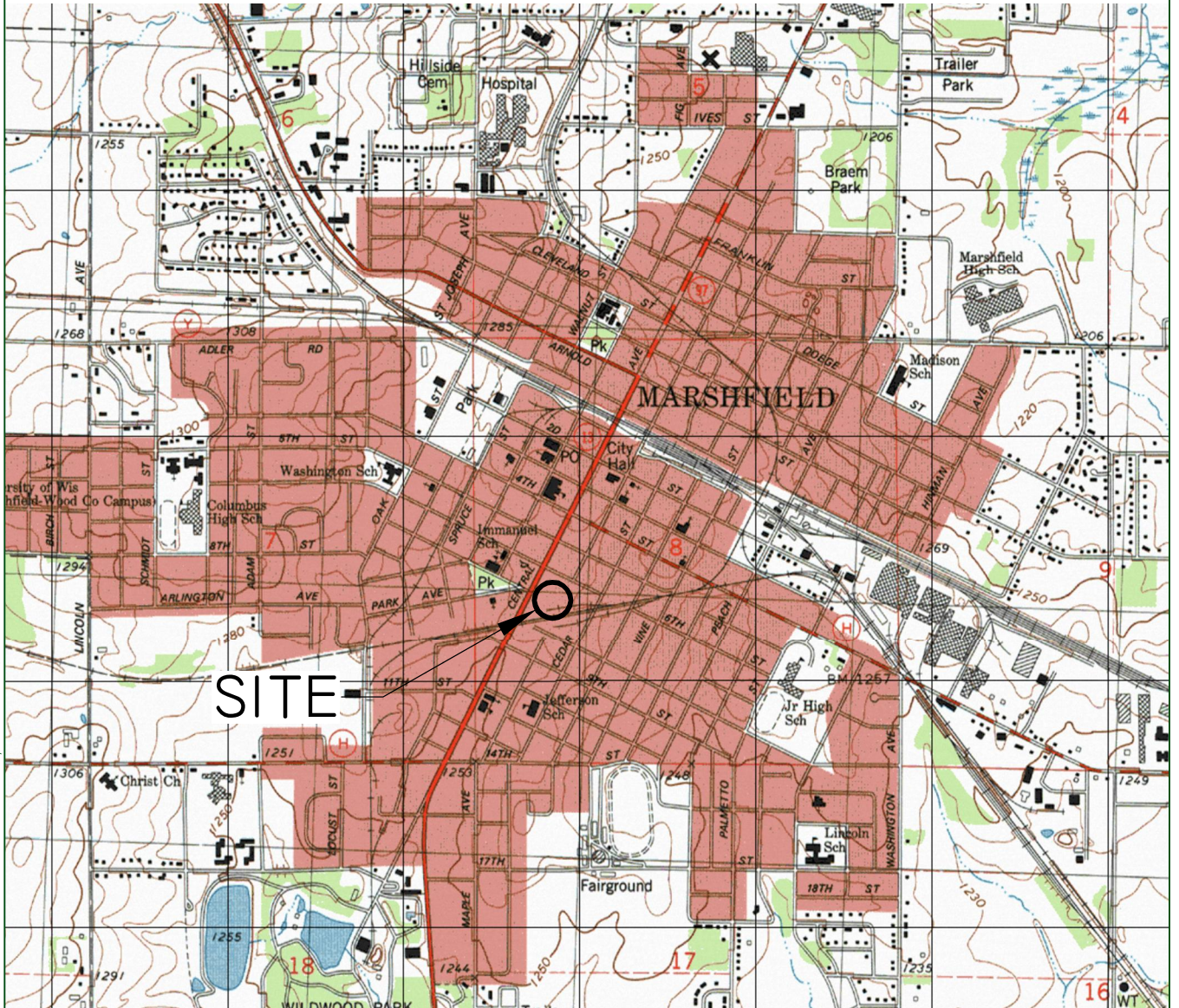
Sub-Slab Vapor Risk Screening Levels Based on November 2017

U.S. EPA Regional Screening Level Summary Table

Exceeds Sub-Slab Vapor Risk Screening Level

^J - Estimated concentration at or above the Limit of Detection and below the Limit of Quantification

DRAWING FILE: P:\54.00-54.99\54.03-PIONEER BANK\DWG\54.03-VICN.DWG LAYOUT: VICN PLOTTED: FEB 24, 2017 - 9:15AM PLOTTED BY: TODDW



MARSHFIELD, WIS.
NW/4 MARSHFIELD 15' QUADRANGLE
N4437.5-W9007.5/7.5

1979
REI Engineering, INC.

PIONEER BANK
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE 1 : SITE VICINITY MAP		DATE:	
PROJECT NO.	5403	DRAWN BY:	TAW
		2/24/2017	

DRAWING FILE: P:\54.00-5499\54.03 - PIONEER BANK DERF\DWG\54.03-SITE.DWG LAYOUT: SITE PLOTTED: FEB 02, 2019 - 1:32PM PLOTTED BY: MATTM



LEGEND

0 40
SCALE: 1" = 40'

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (GONE)
- GEOPROBE SOIL BORING
- SUB-SLAB VAPOR SAMPLE
- APPROXIMATE PROPERTY LINE



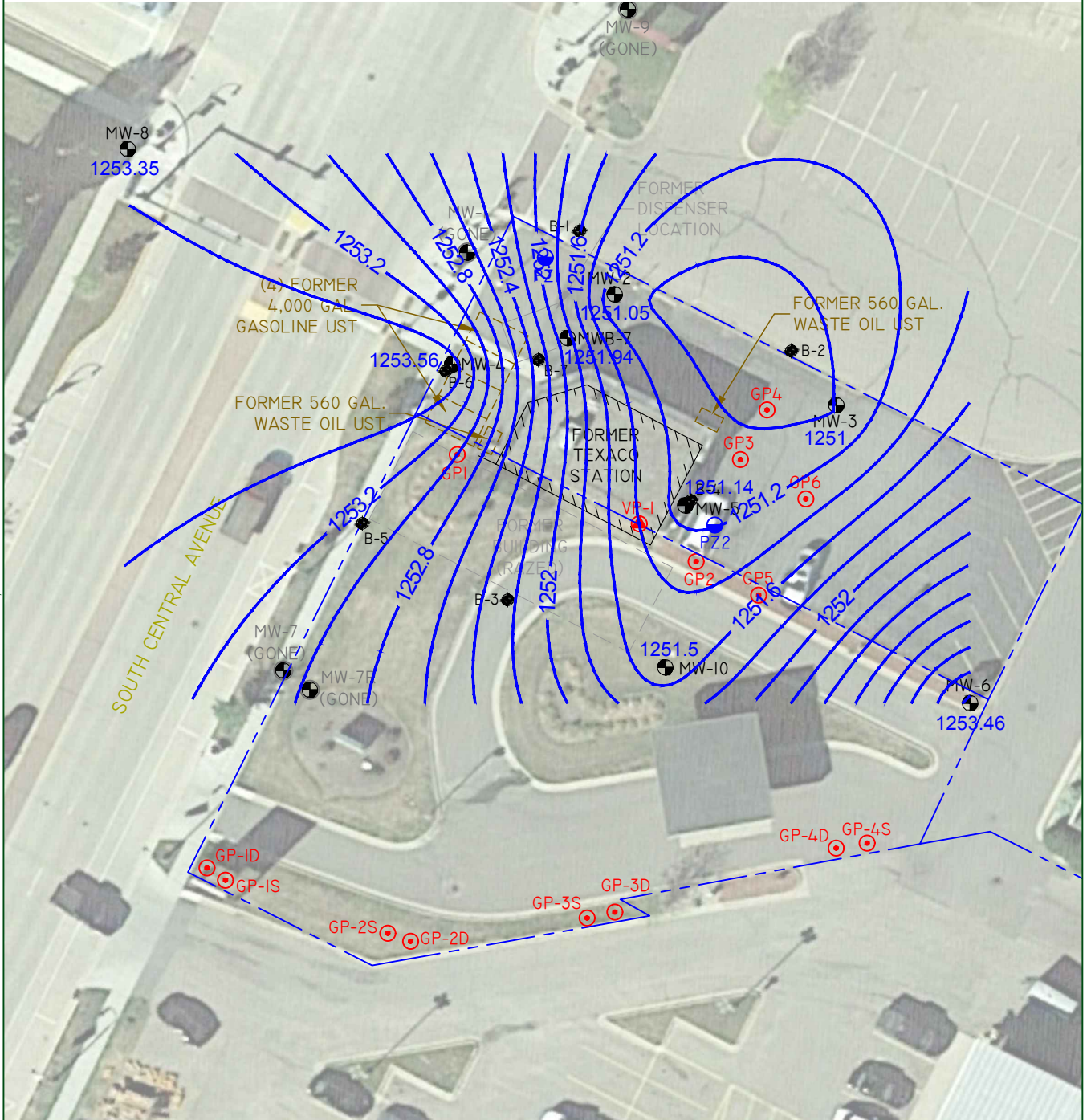
REI Engineering, INC.

**PIONEER BANK
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN**

FIGURE 2 : DETAILED SITE MAP

PROJECT NO.	DRAWN BY:	DATE:
5403	MCM	2/2/2019

DRAWING FILE: P:\5400-5499\5403 - PIONEER BANK DERF\DWG\5403-GW-042618.dwg LAYOUT: SITE PLOTTED: FEB 02, 2019 - 2:04PM PLOTTED BY: MATTY



LEGEND	
	SCALE: 1" = 40'
	MONITORING WELL
	PIEZOMETER
	TEMPORARY WELLS (AECOM) - ABANDONED
	MONITORING WELL (GONE)
	GEOPROBE SOIL BORING
	SUB-SLAB VAPOR SAMPLE
	APPROXIMATE PROPERTY LINE
	GROUNDWATER CONTOUR LINE



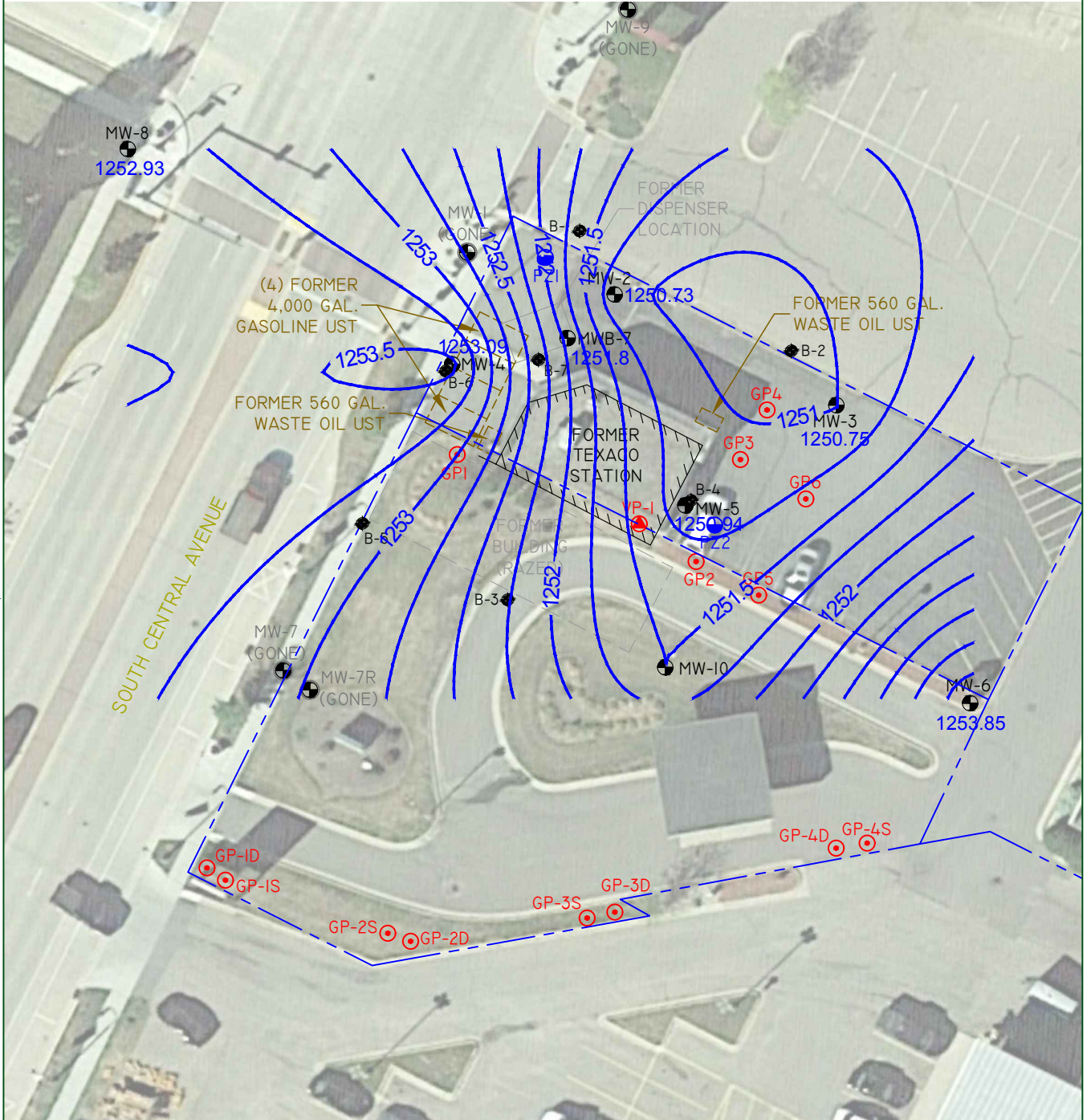
NOTE:
GROUNDWATER ELEVATION
DATA IS PRESENTED IN FEET
MEAN SEA LEVEL (MSL).

REI Engineering, INC.

PIONEER BANK
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE 3 : GROUNDWATER CONTOUR MAP (4/26/2018)			
PROJECT NO.	5403	DRAWN BY:	DATE:
		MCM	2/2/2019

DRAWING FILE: P:\5400-5499\5403 - PIONEER BANK DERF.DWG\5403-GW-071918.DWG LAYOUT: SITE PLOTTED: FEB 02, 2019 - 2:10PM PLOTTED BY: MATTM



LEGEND

0 40
SCALE: 1" = 40'

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (GONE)
- GEOPROBE SOIL BORING
- SUB-SLAB VAPOR SAMPLE
- APPROXIMATE PROPERTY LINE
- GROUNDWATER CONTOUR LINE



NOTE:
GROUNDWATER ELEVATION
DATA IS PRESENTED IN FEET
MEAN SEA LEVEL (MSL).

REI Engineering, INC.

PIONEER BANK
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE 4 : GROUNDWATER CONTOUR MAP (7/19/2018)			
PROJECT NO.	5403	DRAWN BY:	DATE:
		MCM	2/2/2019

DRAWING FILE: P:\5400-5499\5403 - PIONEER BANK DERF\DWG\5403-GW-101818.DWG LAYOUT: SITE PLOTTED: FEB 02, 2019 - 2:18PM PLOTTED BY: MATTM



LEGEND

0 40
SCALE: 1" = 40'

- MONITORING WELL
- PIEZOMETER
- TEMPORARY WELLS (AECOM) - ABANDONED
- MONITORING WELL (GONE)
- GEOPROBE SOIL BORING
- SUB-SLAB VAPOR SAMPLE
- APPROXIMATE PROPERTY LINE
- GROUNDWATER CONTOUR LINE



NOTE:
GROUNDWATER ELEVATION
DATA IS PRESENTED IN FEET
MEAN SEA LEVEL (MSL).

REI Engineering, INC.

PIONEER BANK
701 SOUTH CENTRAL AVENUE
MARSHFIELD, WISCONSIN

FIGURE 5 :GROUNDWATER CONTOUR MAP (10/18/2018)			
PROJECT NO.	5403	DRAWN BY:	DATE:
		MCM	2/2/2019

APPENDIX A

GROUNDWATER LABORATORY ANALYTICAL REPORTS



May 02, 2018

Brian Bailey
REI Engineering
4080 North 20th Ave
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 40168264

Dear Brian Bailey:

Enclosed are the analytical results for sample(s) received by the laboratory on April 28, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten
brian.basten@pacelabs.com
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Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

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SAMPLE SUMMARY

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168264001	MW-2	Water	04/26/18 11:45	04/28/18 07:55
40168264002	MW-3	Water	04/26/18 10:45	04/28/18 07:55
40168264003	MW-4	Water	04/26/18 12:45	04/28/18 07:55
40168264004	MW-5	Water	04/26/18 11:00	04/28/18 07:55
40168264005	MW-6	Water	04/26/18 10:30	04/28/18 07:55
40168264006	MWB-7	Water	04/26/18 12:00	04/28/18 07:55
40168264007	MW-8	Water	04/26/18 10:00	04/28/18 07:55
40168264008	MW-10	Water	04/26/18 10:15	04/28/18 07:55
40168264009	PZ-1	Water	04/26/18 12:30	04/28/18 07:55
40168264010	PZ-2	Water	04/26/18 11:30	04/28/18 07:55

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40168264001	MW-2	EPA 8260	LAP	64
40168264002	MW-3	EPA 8260	LAP	64
40168264003	MW-4	EPA 8260	LAP	64
40168264004	MW-5	EPA 8260	LAP	64
40168264005	MW-6	EPA 8260	LAP	64
40168264006	MWB-7	EPA 8260	LAP	64
40168264007	MW-8	EPA 8260	LAP	64
40168264008	MW-10	EPA 8260	LAP	64
40168264009	PZ-1	EPA 8260	LAP	64
40168264010	PZ-2	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-2 **Lab ID: 40168264001** Collected: 04/26/18 11:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 18:22	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 18:22	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 18:22	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 18:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 18:22	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 18:22	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 18:22	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 18:22	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 18:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 18:22	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 18:22	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 18:22	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 18:22	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 18:22	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 18:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 18:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 18:22	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 18:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 18:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 18:22	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 18:22	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 18:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 18:22	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 18:22	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 18:22	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 18:22	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	100-42-5	
Tetrachloroethene	0.56J	ug/L	1.0	0.50	1		05/01/18 18:22	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-2 **Lab ID: 40168264001** Collected: 04/26/18 11:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	108-88-3	
Trichloroethene	0.38J	ug/L	1.0	0.33	1		05/01/18 18:22	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 18:22	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 18:22	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 18:22	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 18:22	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:22	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 18:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 18:22	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 18:22	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 18:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		05/01/18 18:22	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		05/01/18 18:22	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		05/01/18 18:22	2037-26-5	

Sample: MW-3 **Lab ID: 40168264002** Collected: 04/26/18 10:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 18:45	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 18:45	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 18:45	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 18:45	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 18:45	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 18:45	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 18:45	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 18:45	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 18:45	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 18:45	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 18:45	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 18:45	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-3 **Lab ID: 40168264002** Collected: 04/26/18 10:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 18:45	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 18:45	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 18:45	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 18:45	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 18:45	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 18:45	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 18:45	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 18:45	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 18:45	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 18:45	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 18:45	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 18:45	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 18:45	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 18:45	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/01/18 18:45	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 18:45	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 18:45	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 18:45	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 18:45	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 18:45	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 18:45	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 18:45	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 18:45	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 18:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		05/01/18 18:45	460-00-4	
Dibromofluoromethane (S)	107	%	67-130		1		05/01/18 18:45	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/01/18 18:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-4 **Lab ID: 40168264003** Collected: 04/26/18 12:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		05/02/18 07:57	630-20-6	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	71-55-6	
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		05/02/18 07:57	79-34-5	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		05/02/18 07:57	79-00-5	
1,1-Dichloroethane	<1.2	ug/L	5.0	1.2	5		05/02/18 07:57	75-34-3	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		05/02/18 07:57	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		05/02/18 07:57	563-58-6	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		05/02/18 07:57	87-61-6	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	96-18-4	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		05/02/18 07:57	120-82-1	
1,2,4-Trimethylbenzene	436	ug/L	5.0	2.5	5		05/02/18 07:57	95-63-6	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		05/02/18 07:57	96-12-8	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		05/02/18 07:57	106-93-4	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	95-50-1	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		05/02/18 07:57	107-06-2	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		05/02/18 07:57	78-87-5	
1,3,5-Trimethylbenzene	134	ug/L	5.0	2.5	5		05/02/18 07:57	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	541-73-1	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	142-28-9	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	106-46-7	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		05/02/18 07:57	594-20-7	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	95-49-8	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		05/02/18 07:57	106-43-4	
Benzene	35.7	ug/L	5.0	2.5	5		05/02/18 07:57	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		05/02/18 07:57	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		05/02/18 07:57	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		05/02/18 07:57	74-83-9	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		05/02/18 07:57	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		05/02/18 07:57	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	74-87-3	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	124-48-1	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		05/02/18 07:57	74-95-3	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		05/02/18 07:57	75-71-8	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	108-20-3	
Ethylbenzene	540	ug/L	5.0	2.5	5		05/02/18 07:57	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		05/02/18 07:57	87-68-3	
Isopropylbenzene (Cumene)	23.4	ug/L	5.0	0.72	5		05/02/18 07:57	98-82-8	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		05/02/18 07:57	1634-04-4	
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		05/02/18 07:57	75-09-2	
Naphthalene	83.9	ug/L	25.0	12.5	5		05/02/18 07:57	91-20-3	
Styrene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	100-42-5	
Tetrachloroethene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-4 **Lab ID: 40168264003** Collected: 04/26/18 12:45 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	11.2	ug/L	5.0	2.5	5		05/02/18 07:57	108-88-3	
Trichloroethene	<1.7	ug/L	5.0	1.7	5		05/02/18 07:57	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		05/02/18 07:57	75-69-4	
Vinyl chloride	<0.88	ug/L	5.0	0.88	5		05/02/18 07:57	75-01-4	
cis-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		05/02/18 07:57	156-59-2	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	10061-01-5	
m&p-Xylene	847	ug/L	10.0	5.0	5		05/02/18 07:57	179601-23-1	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		05/02/18 07:57	104-51-8	
n-Propylbenzene	34.4	ug/L	5.0	2.5	5		05/02/18 07:57	103-65-1	
o-Xylene	40.7	ug/L	5.0	2.5	5		05/02/18 07:57	95-47-6	
p-Isopropyltoluene	8.4	ug/L	5.0	2.5	5		05/02/18 07:57	99-87-6	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		05/02/18 07:57	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		05/02/18 07:57	98-06-6	
trans-1,2-Dichloroethene	<1.3	ug/L	5.0	1.3	5		05/02/18 07:57	156-60-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		05/02/18 07:57	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	61-130		5		05/02/18 07:57	460-00-4	
Dibromofluoromethane (S)	102	%	67-130		5		05/02/18 07:57	1868-53-7	
Toluene-d8 (S)	99	%	70-130		5		05/02/18 07:57	2037-26-5	

Sample: MW-5 **Lab ID: 40168264004** Collected: 04/26/18 11:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 21:22	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 21:22	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 21:22	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 21:22	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 21:22	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 21:22	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 21:22	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 21:22	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 21:22	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 21:22	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	95-50-1	
1,2-Dichloroethane	2.1	ug/L	1.0	0.17	1		05/01/18 21:22	107-06-2	
1,2-Dichloropropane	0.41J	ug/L	1.0	0.23	1		05/01/18 21:22	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-5 **Lab ID: 40168264004** Collected: 04/26/18 11:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 21:22	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 21:22	106-43-4	
Benzene	3.3	ug/L	1.0	0.50	1		05/01/18 21:22	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 21:22	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 21:22	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 21:22	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 21:22	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 21:22	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 21:22	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 21:22	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 21:22	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 21:22	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 21:22	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 21:22	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 21:22	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	100-42-5	
Tetrachloroethene	175	ug/L	1.0	0.50	1		05/01/18 21:22	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	108-88-3	
Trichloroethene	251	ug/L	20.0	6.6	20		05/02/18 08:20	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 21:22	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 21:22	75-01-4	
cis-1,2-Dichloroethene	1130	ug/L	20.0	5.1	20		05/02/18 08:20	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 21:22	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:22	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 21:22	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 21:22	98-06-6	
trans-1,2-Dichloroethene	11.3	ug/L	1.0	0.26	1		05/01/18 21:22	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 21:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		05/01/18 21:22	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		05/01/18 21:22	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/01/18 21:22	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-6 **Lab ID: 40168264005** Collected: 04/26/18 10:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:07	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 19:07	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 19:07	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 19:07	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 19:07	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 19:07	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:07	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:07	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 19:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 19:07	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 19:07	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 19:07	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 19:07	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 19:07	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 19:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 19:07	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 19:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 19:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 19:07	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 19:07	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:07	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 19:07	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 19:07	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 19:07	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 19:07	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-6 **Lab ID: 40168264005** Collected: 04/26/18 10:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/01/18 19:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:07	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 19:07	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:07	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 19:07	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:07	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 19:07	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:07	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		05/01/18 19:07	460-00-4	
Dibromofluoromethane (S)	110	%	67-130		1		05/01/18 19:07	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/01/18 19:07	2037-26-5	

Sample: MWB-7 **Lab ID: 40168264006** Collected: 04/26/18 12:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:30	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 19:30	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 19:30	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 19:30	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 19:30	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 19:30	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:30	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:30	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 19:30	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 19:30	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 19:30	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 19:30	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MWB-7 **Lab ID: 40168264006** Collected: 04/26/18 12:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 19:30	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 19:30	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:30	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 19:30	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 19:30	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 19:30	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 19:30	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 19:30	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 19:30	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:30	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 19:30	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 19:30	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 19:30	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 19:30	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/01/18 19:30	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:30	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 19:30	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:30	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 19:30	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:30	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:30	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 19:30	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:30	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:30	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		05/01/18 19:30	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/01/18 19:30	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/01/18 19:30	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-8 **Lab ID: 40168264007** Collected: 04/26/18 10:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:52	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 19:52	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 19:52	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 19:52	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 19:52	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 19:52	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:52	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:52	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 19:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 19:52	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 19:52	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 19:52	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 19:52	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 19:52	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:52	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 19:52	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 19:52	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 19:52	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 19:52	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 19:52	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 19:52	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 19:52	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 19:52	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 19:52	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 19:52	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 19:52	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-8 **Lab ID: 40168264007** Collected: 04/26/18 10:00 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/01/18 19:52	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 19:52	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 19:52	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:52	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 19:52	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 19:52	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 19:52	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 19:52	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 19:52	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 19:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		05/01/18 19:52	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/01/18 19:52	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/01/18 19:52	2037-26-5	

Sample: MW-10 **Lab ID: 40168264008** Collected: 04/26/18 10:15 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 20:15	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 20:15	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 20:15	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 20:15	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 20:15	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 20:15	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 20:15	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 20:15	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 20:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 20:15	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 20:15	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 20:15	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: MW-10 **Lab ID: 40168264008** Collected: 04/26/18 10:15 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 20:15	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 20:15	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 20:15	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 20:15	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 20:15	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 20:15	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 20:15	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 20:15	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 20:15	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 20:15	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 20:15	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 20:15	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 20:15	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 20:15	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	100-42-5	
Tetrachloroethene	8.5	ug/L	1.0	0.50	1		05/01/18 20:15	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	108-88-3	
Trichloroethene	4.3	ug/L	1.0	0.33	1		05/01/18 20:15	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 20:15	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 20:15	75-01-4	
cis-1,2-Dichloroethene	2.8	ug/L	1.0	0.26	1		05/01/18 20:15	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 20:15	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:15	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 20:15	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 20:15	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 20:15	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 20:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		05/01/18 20:15	460-00-4	
Dibromofluoromethane (S)	117	%	67-130		1		05/01/18 20:15	1868-53-7	
Toluene-d8 (S)	92	%	70-130		1		05/01/18 20:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: PZ-1 Lab ID: **40168264009** Collected: 04/26/18 12:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 20:37	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 20:37	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 20:37	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 20:37	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 20:37	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 20:37	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 20:37	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 20:37	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 20:37	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 20:37	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 20:37	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 20:37	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 20:37	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 20:37	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 20:37	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 20:37	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 20:37	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 20:37	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 20:37	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 20:37	74-95-3	
Dichlorodifluoromethane	1.1	ug/L	1.0	0.22	1		05/01/18 20:37	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 20:37	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 20:37	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 20:37	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 20:37	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 20:37	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: PZ-1 **Lab ID: 40168264009** Collected: 04/26/18 12:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/01/18 20:37	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 20:37	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 20:37	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 20:37	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 20:37	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 20:37	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 20:37	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 20:37	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 20:37	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 20:37	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		05/01/18 20:37	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/01/18 20:37	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/01/18 20:37	2037-26-5	

Sample: PZ-2 **Lab ID: 40168264010** Collected: 04/26/18 11:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/01/18 21:00	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/01/18 21:00	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/01/18 21:00	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/01/18 21:00	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/01/18 21:00	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/01/18 21:00	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/01/18 21:00	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 21:00	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/01/18 21:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/01/18 21:00	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/01/18 21:00	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/01/18 21:00	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Sample: PZ-2 **Lab ID: 40168264010** Collected: 04/26/18 11:30 Received: 04/28/18 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/01/18 21:00	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/01/18 21:00	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/01/18 21:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/01/18 21:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/01/18 21:00	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/01/18 21:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/01/18 21:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/01/18 21:00	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/01/18 21:00	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/01/18 21:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/01/18 21:00	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/01/18 21:00	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/01/18 21:00	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/01/18 21:00	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	100-42-5	
Tetrachloroethene	2.5	ug/L	1.0	0.50	1		05/01/18 21:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.33	1		05/01/18 21:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/01/18 21:00	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/01/18 21:00	75-01-4	
cis-1,2-Dichloroethene	0.89J	ug/L	1.0	0.26	1		05/01/18 21:00	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/01/18 21:00	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/01/18 21:00	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/01/18 21:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/01/18 21:00	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/01/18 21:00	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/01/18 21:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		05/01/18 21:00	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		05/01/18 21:00	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/01/18 21:00	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

QC Batch: 287380 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40168264001, 40168264002, 40168264003, 40168264004, 40168264005, 40168264006, 40168264007, 40168264008, 40168264009, 40168264010

METHOD BLANK: 1681573 Matrix: Water
 Associated Lab Samples: 40168264001, 40168264002, 40168264003, 40168264004, 40168264005, 40168264006, 40168264007, 40168264008, 40168264009, 40168264010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	05/01/18 13:07	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	05/01/18 13:07	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	05/01/18 13:07	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	05/01/18 13:07	
1,1-Dichloroethane	ug/L	<0.24	1.0	05/01/18 13:07	
1,1-Dichloroethene	ug/L	<0.41	1.0	05/01/18 13:07	
1,1-Dichloropropene	ug/L	<0.44	1.0	05/01/18 13:07	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	05/01/18 13:07	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	05/01/18 13:07	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	05/01/18 13:07	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	05/01/18 13:07	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	05/01/18 13:07	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	05/01/18 13:07	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	05/01/18 13:07	
1,2-Dichloroethane	ug/L	<0.17	1.0	05/01/18 13:07	
1,2-Dichloropropane	ug/L	<0.23	1.0	05/01/18 13:07	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	05/01/18 13:07	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	05/01/18 13:07	
1,3-Dichloropropane	ug/L	<0.50	1.0	05/01/18 13:07	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	05/01/18 13:07	
2,2-Dichloropropane	ug/L	<0.48	1.0	05/01/18 13:07	
2-Chlorotoluene	ug/L	<0.50	1.0	05/01/18 13:07	
4-Chlorotoluene	ug/L	<0.21	1.0	05/01/18 13:07	
Benzene	ug/L	<0.50	1.0	05/01/18 13:07	
Bromobenzene	ug/L	<0.23	1.0	05/01/18 13:07	
Bromochloromethane	ug/L	<0.34	1.0	05/01/18 13:07	
Bromodichloromethane	ug/L	<0.50	1.0	05/01/18 13:07	
Bromoform	ug/L	<0.50	1.0	05/01/18 13:07	
Bromomethane	ug/L	<2.4	5.0	05/01/18 13:07	
Carbon tetrachloride	ug/L	<0.50	1.0	05/01/18 13:07	
Chlorobenzene	ug/L	<0.50	1.0	05/01/18 13:07	
Chloroethane	ug/L	<0.37	1.0	05/01/18 13:07	
Chloroform	ug/L	<2.5	5.0	05/01/18 13:07	
Chloromethane	ug/L	<0.50	1.0	05/01/18 13:07	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	05/01/18 13:07	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	05/01/18 13:07	
Dibromochloromethane	ug/L	<0.50	1.0	05/01/18 13:07	
Dibromomethane	ug/L	<0.43	1.0	05/01/18 13:07	
Dichlorodifluoromethane	ug/L	<0.22	1.0	05/01/18 13:07	
Diisopropyl ether	ug/L	<0.50	1.0	05/01/18 13:07	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

METHOD BLANK: 1681573

Matrix: Water

Associated Lab Samples: 40168264001, 40168264002, 40168264003, 40168264004, 40168264005, 40168264006, 40168264007, 40168264008, 40168264009, 40168264010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	05/01/18 13:07	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/01/18 13:07	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/01/18 13:07	
m&p-Xylene	ug/L	<1.0	2.0	05/01/18 13:07	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/01/18 13:07	
Methylene Chloride	ug/L	<0.23	1.0	05/01/18 13:07	
n-Butylbenzene	ug/L	<0.50	1.0	05/01/18 13:07	
n-Propylbenzene	ug/L	<0.50	1.0	05/01/18 13:07	
Naphthalene	ug/L	<2.5	5.0	05/01/18 13:07	
o-Xylene	ug/L	<0.50	1.0	05/01/18 13:07	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/01/18 13:07	
sec-Butylbenzene	ug/L	<2.2	5.0	05/01/18 13:07	
Styrene	ug/L	<0.50	1.0	05/01/18 13:07	
tert-Butylbenzene	ug/L	<0.18	1.0	05/01/18 13:07	
Tetrachloroethene	ug/L	<0.50	1.0	05/01/18 13:07	
Toluene	ug/L	<0.50	1.0	05/01/18 13:07	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	05/01/18 13:07	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/01/18 13:07	
Trichloroethene	ug/L	<0.33	1.0	05/01/18 13:07	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/01/18 13:07	
Vinyl chloride	ug/L	<0.18	1.0	05/01/18 13:07	
4-Bromofluorobenzene (S)	%	89	61-130	05/01/18 13:07	
Dibromofluoromethane (S)	%	106	67-130	05/01/18 13:07	
Toluene-d8 (S)	%	95	70-130	05/01/18 13:07	

LABORATORY CONTROL SAMPLE: 1681574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.3	109	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	54.7	109	70-130	
1,1-Dichloroethane	ug/L	50	57.2	114	71-132	
1,1-Dichloroethene	ug/L	50	52.2	104	75-130	
1,2,4-Trichlorobenzene	ug/L	50	51.7	103	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	51.6	103	70-130	
1,2-Dichlorobenzene	ug/L	50	53.2	106	70-130	
1,2-Dichloroethane	ug/L	50	51.2	102	70-131	
1,2-Dichloropropane	ug/L	50	57.4	115	80-120	
1,3-Dichlorobenzene	ug/L	50	50.0	100	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
Benzene	ug/L	50	55.3	111	73-145	
Bromodichloromethane	ug/L	50	52.1	104	70-130	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

LABORATORY CONTROL SAMPLE: 1681574

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	50.0	100	67-130	
Bromomethane	ug/L	50	33.3	67	26-128	
Carbon tetrachloride	ug/L	50	53.5	107	70-133	
Chlorobenzene	ug/L	50	53.2	106	70-130	
Chloroethane	ug/L	50	48.2	96	58-120	
Chloroform	ug/L	50	54.4	109	80-121	
Chloromethane	ug/L	50	36.9	74	40-127	
cis-1,2-Dichloroethene	ug/L	50	50.7	101	70-130	
cis-1,3-Dichloropropene	ug/L	50	52.8	106	70-130	
Dibromochloromethane	ug/L	50	50.3	101	70-130	
Dichlorodifluoromethane	ug/L	50	33.1	66	20-135	
Ethylbenzene	ug/L	50	58.2	116	87-129	
Isopropylbenzene (Cumene)	ug/L	50	61.6	123	70-130	
m&p-Xylene	ug/L	100	120	120	70-130	
Methyl-tert-butyl ether	ug/L	50	49.9	100	66-143	
Methylene Chloride	ug/L	50	52.3	105	70-130	
o-Xylene	ug/L	50	58.6	117	70-130	
Styrene	ug/L	50	56.1	112	70-130	
Tetrachloroethene	ug/L	50	51.9	104	70-130	
Toluene	ug/L	50	54.5	109	82-130	
trans-1,2-Dichloroethene	ug/L	50	53.6	107	75-132	
trans-1,3-Dichloropropene	ug/L	50	51.6	103	70-130	
Trichloroethene	ug/L	50	53.6	107	70-130	
Trichlorofluoromethane	ug/L	50	52.5	105	76-133	
Vinyl chloride	ug/L	50	46.6	93	57-136	
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			102	67-130	
Toluene-d8 (S)	%			99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 PIONEER BANK

Pace Project No.: 40168264

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168264001	MW-2	EPA 8260	287380		
40168264002	MW-3	EPA 8260	287380		
40168264003	MW-4	EPA 8260	287380		
40168264004	MW-5	EPA 8260	287380		
40168264005	MW-6	EPA 8260	287380		
40168264006	MWB-7	EPA 8260	287380		
40168264007	MW-8	EPA 8260	287380		
40168264008	MW-10	EPA 8260	287380		
40168264009	PZ-1	EPA 8260	287380		
40168264010	PZ-2	EPA 8260	287380		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: REI
 Branch/Location: Wausau
 Project Contact: Brian Bailey
 Phone: (715) 675-9284
 Project Number: 5403
 Project Name: Pioneer Banks
 Project State: WI
 Sampled By (Print): Joel Kosch
 Sampled By (Sign): Joel Kosch
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

4016822 4016824
 4-30-18
 Page 26 of 27

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested	Matrix Codes
N	B	VOC	

Quote #: _____
 Mail To Contact: Brian Bailey
 Mail To Company: REI
 Mail To Address: Bailey@veingkeering.com
 Invoice To Contact: SAA
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile # _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 SI = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-2	4/26/18	11:45	GW
002	MW-3		10:45	
003	MW-4		12:45	
004	MW-5		11:00	
005	MW-6		10:30	
006	MWB-7		12:00	
007	MW-8		10:00	
008	MW-10		10:15	
009	PZ-1		12:30	
010	PZ-2		11:30	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge) Date Needed: _____ Transmit Prelim Rush Results by (complete what you want): _____	Relinquished By: <i>Joel Kosch</i>	Date/Time: 4/27/18 2PM	Received By: _____	Date/Time: _____
	Relinquished By: <i>Walter O</i>	Date/Time: 4/28/18 0755	Received By: <i>Dennis Paul</i>	Date/Time: 4/28/18 0755
	Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____
	Relinquished By: _____	Date/Time: _____	Received By: _____	Date/Time: _____

40168264
 PACE Project No. 40168224 4-30-18
 Receipt Temp = *(Re) 20°C*
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / (Not Present) Intact / Not Intact

Sample Preservation Receipt Form

Client Name: RED

Project # 40168221 40168264
 88 4-30-16

All containers needing preservation have been checked and noted below: Yes No N/A

Initial when completed:

Date/Time:


Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Accl pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)				
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T	ZPLC	GN
001																	3																2.5 / 5 / 10
002																	3																2.5 / 5 / 10
003																	3																2.5 / 5 / 10
004																	3																2.5 / 5 / 10
005																	3																2.5 / 5 / 10
006																	3																2.5 / 5 / 10
007																	3																2.5 / 5 / 10
008																	3																2.5 / 5 / 10
009																	3																2.5 / 5 / 10
010																	3																2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: RED **Project #:** **WO# : 40168264**
Courier: CS Logistics Fed Ex Speedee UPS **Waltco**
 Client Pace Other: _____
Tracking #: 1704943-1
Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no
Custody Seal on Samples Present: yes no **Seals intact:** yes no
Packing Material: Bubble Wrap Bubble Bags None Other _____
Thermometer Used SR - N/A **Type of Ice:** Wet Blue Dry None Samples on ice, cooling process has begun
Cooler Temperature Uncorr: RoS / Corr: _____



Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
 Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Person examining contents: Date: <u>4/28/18</u> Initials: <u>DS</u>
--

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis	Matrix: <u>W</u>	
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 2 COCs w/ different analyses listed combined into 1 project based on vol. received + client labels

Project Manager Review: [Signature] **Date:** 4-30-18

July 24, 2018

Brian Bailey
REI Engineering
4080 North 20th Ave
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 40172806

Dear Brian Bailey:

Enclosed are the analytical results for sample(s) received by the laboratory on July 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40172806001	MW-2	Water	07/19/18 10:45	07/20/18 08:50
40172806002	MW-3	Water	07/19/18 09:20	07/20/18 08:50
40172806003	MW-4	Water	07/19/18 12:00	07/20/18 08:50
40172806004	MW-5	Water	07/19/18 09:40	07/20/18 08:50
40172806005	MW-6	Water	07/19/18 08:55	07/20/18 08:50
40172806006	MW-7	Water	07/19/18 11:20	07/20/18 08:50
40172806007	MW-8	Water	07/19/18 08:30	07/20/18 08:50
40172806008	PZ-1	Water	07/19/18 11:40	07/20/18 08:50
40172806009	PZ-2	Water	07/19/18 10:15	07/20/18 08:50

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40172806001	MW-2	EPA 8260	HNW	64
40172806002	MW-3	EPA 8260	HNW	64
40172806003	MW-4	EPA 8260	HNW	64
40172806004	MW-5	EPA 8260	HNW	64
40172806005	MW-6	EPA 8260	HNW	64
40172806006	MW-7	EPA 8260	HNW	64
40172806007	MW-8	EPA 8260	HNW	64
40172806008	PZ-1	EPA 8260	HNW	64
40172806009	PZ-2	EPA 8260	HNW	64

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-2 **Lab ID: 40172806001** Collected: 07/19/18 10:45 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 11:01	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 11:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 11:01	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 11:01	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 11:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 11:01	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 11:01	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 11:01	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 11:01	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 11:01	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 11:01	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 11:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 11:01	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:01	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 11:01	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 11:01	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 11:01	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 11:01	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 11:01	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 11:01	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 11:01	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 11:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 11:01	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 11:01	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 11:01	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 11:01	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 11:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 11:01	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 11:01	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 11:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:01	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 11:01	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 11:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 11:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 11:01	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 11:01	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 11:01	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 11:01	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 11:01	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 11:01	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 11:01	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 11:01	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 11:01	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 11:01	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 11:01	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 11:01	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-2 **Lab ID: 40172806001** Collected: 07/19/18 10:45 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 11:01	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 11:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 11:01	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 11:01	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 11:01	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 11:01	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 11:01	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:01	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 11:01	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 11:01	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 11:01	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 11:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 11:01	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 11:01	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 11:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/18 11:01	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		07/23/18 11:01	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		07/23/18 11:01	2037-26-5	

Sample: MW-3 **Lab ID: 40172806002** Collected: 07/19/18 09:20 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 11:43	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 11:43	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 11:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 11:43	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 11:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 11:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 11:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 11:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 11:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 11:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 11:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 11:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 11:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 11:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 11:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 11:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 11:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 11:43	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-3 **Lab ID: 40172806002** Collected: 07/19/18 09:20 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 11:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 11:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 11:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 11:43	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 11:43	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 11:43	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 11:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 11:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 11:43	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 11:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 11:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:43	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 11:43	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 11:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 11:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 11:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 11:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 11:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 11:43	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 11:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 11:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 11:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 11:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 11:43	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 11:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 11:43	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 11:43	127-18-4	
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 11:43	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 11:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 11:43	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 11:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 11:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 11:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 11:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 11:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 11:43	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 11:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 11:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 11:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 11:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 11:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 11:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/18 11:43	460-00-4	
Dibromofluoromethane (S)	92	%	70-130		1		07/23/18 11:43	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/23/18 11:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-4 **Lab ID: 40172806003** Collected: 07/19/18 12:00 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.3	ug/L	4.5	1.3	5		07/23/18 11:22	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	4.1	1.2	5		07/23/18 11:22	71-55-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	4.6	1.4	5		07/23/18 11:22	79-34-5	
1,1,2-Trichloroethane	<2.8	ug/L	9.2	2.8	5		07/23/18 11:22	79-00-5	
1,1-Dichloroethane	<1.4	ug/L	4.5	1.4	5		07/23/18 11:22	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	4.1	1.2	5		07/23/18 11:22	75-35-4	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		07/23/18 11:22	563-58-6	
1,2,3-Trichlorobenzene	<3.1	ug/L	10.4	3.1	5		07/23/18 11:22	87-61-6	
1,2,3-Trichloropropane	<3.0	ug/L	9.8	3.0	5		07/23/18 11:22	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	15.9	4.8	5		07/23/18 11:22	120-82-1	
1,2,4-Trimethylbenzene	311	ug/L	14.0	4.2	5		07/23/18 11:22	95-63-6	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		07/23/18 11:22	96-12-8	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		07/23/18 11:22	106-93-4	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		07/23/18 11:22	95-50-1	
1,2-Dichloroethane	<1.4	ug/L	4.7	1.4	5		07/23/18 11:22	107-06-2	
1,2-Dichloropropane	<1.4	ug/L	4.7	1.4	5		07/23/18 11:22	78-87-5	
1,3,5-Trimethylbenzene	90.3	ug/L	14.6	4.4	5		07/23/18 11:22	108-67-8	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		07/23/18 11:22	541-73-1	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		07/23/18 11:22	142-28-9	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		07/23/18 11:22	106-46-7	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		07/23/18 11:22	594-20-7	
2-Chlorotoluene	<4.6	ug/L	15.4	4.6	5		07/23/18 11:22	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		07/23/18 11:22	106-43-4	
Benzene	28.5	ug/L	4.1	1.2	5		07/23/18 11:22	71-43-2	
Bromobenzene	<1.2	ug/L	4.0	1.2	5		07/23/18 11:22	108-86-1	
Bromochloromethane	<1.8	ug/L	6.0	1.8	5		07/23/18 11:22	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		07/23/18 11:22	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		07/23/18 11:22	75-25-2	
Bromomethane	<4.9	ug/L	16.2	4.9	5		07/23/18 11:22	74-83-9	
Carbon tetrachloride	<0.83	ug/L	2.8	0.83	5		07/23/18 11:22	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		07/23/18 11:22	108-90-7	
Chloroethane	<6.7	ug/L	22.4	6.7	5		07/23/18 11:22	75-00-3	
Chloroform	<6.4	ug/L	21.2	6.4	5		07/23/18 11:22	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		07/23/18 11:22	74-87-3	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		07/23/18 11:22	124-48-1	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		07/23/18 11:22	74-95-3	
Dichlorodifluoromethane	<2.5	ug/L	8.3	2.5	5		07/23/18 11:22	75-71-8	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		07/23/18 11:22	108-20-3	
Ethylbenzene	441	ug/L	3.6	1.1	5		07/23/18 11:22	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	19.7	5.9	5		07/23/18 11:22	87-68-3	
Isopropylbenzene (Cumene)	26.0	ug/L	6.5	2.0	5		07/23/18 11:22	98-82-8	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		07/23/18 11:22	1634-04-4	
Methylene Chloride	<2.9	ug/L	9.7	2.9	5		07/23/18 11:22	75-09-2	
Naphthalene	74.3	ug/L	19.6	5.9	5		07/23/18 11:22	91-20-3	
Styrene	<2.3	ug/L	7.8	2.3	5		07/23/18 11:22	100-42-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		07/23/18 11:22	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-4 **Lab ID: 40172806003** Collected: 07/19/18 12:00 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	5.7	ug/L	2.9	0.86	5		07/23/18 11:22	108-88-3	
Trichloroethene	<1.3	ug/L	4.3	1.3	5		07/23/18 11:22	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	3.6	1.1	5		07/23/18 11:22	75-69-4	
Vinyl chloride	<0.87	ug/L	2.9	0.87	5		07/23/18 11:22	75-01-4	
cis-1,2-Dichloroethene	<1.4	ug/L	4.5	1.4	5		07/23/18 11:22	156-59-2	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		07/23/18 11:22	10061-01-5	
m&p-Xylene	515	ug/L	7.8	2.3	5		07/23/18 11:22	179601-23-1	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		07/23/18 11:22	104-51-8	
n-Propylbenzene	40.2	ug/L	13.5	4.1	5		07/23/18 11:22	103-65-1	
o-Xylene	18.0	ug/L	4.4	1.3	5		07/23/18 11:22	95-47-6	
p-Isopropyltoluene	7.1J	ug/L	13.3	4.0	5		07/23/18 11:22	99-87-6	
sec-Butylbenzene	<4.2	ug/L	14.1	4.2	5		07/23/18 11:22	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		07/23/18 11:22	98-06-6	
trans-1,2-Dichloroethene	<5.5	ug/L	18.2	5.5	5		07/23/18 11:22	156-60-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		07/23/18 11:22	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		07/23/18 11:22	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		5		07/23/18 11:22	1868-53-7	
Toluene-d8 (S)	97	%	70-130		5		07/23/18 11:22	2037-26-5	

Sample: MW-5 **Lab ID: 40172806004** Collected: 07/19/18 09:40 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 12:05	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 12:05	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 12:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 12:05	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 12:05	75-34-3	
1,1-Dichloroethene	0.32J	ug/L	0.82	0.24	1		07/23/18 12:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 12:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 12:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 12:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 12:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 12:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 12:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 12:05	95-50-1	
1,2-Dichloroethane	5.9	ug/L	0.93	0.28	1		07/23/18 12:05	107-06-2	
1,2-Dichloropropane	0.70J	ug/L	0.94	0.28	1		07/23/18 12:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 12:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 12:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 12:05	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-5 **Lab ID: 40172806004** Collected: 07/19/18 09:40 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 12:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 12:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 12:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 12:05	106-43-4	
Benzene	170	ug/L	0.82	0.25	1		07/23/18 12:05	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 12:05	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 12:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 12:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 12:05	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 12:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 12:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 12:05	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 12:05	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 12:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 12:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 12:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 12:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 12:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 12:05	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 12:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 12:05	87-68-3	
Isopropylbenzene (Cumene)	1.2J	ug/L	1.3	0.39	1		07/23/18 12:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 12:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 12:05	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 12:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 12:05	100-42-5	
Tetrachloroethene	218	ug/L	1.1	0.33	1		07/23/18 12:05	127-18-4	
Toluene	1.4	ug/L	0.57	0.17	1		07/23/18 12:05	108-88-3	
Trichloroethene	348	ug/L	17.0	5.1	20		07/23/18 18:53	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 12:05	75-69-4	
Vinyl chloride	2.9	ug/L	0.58	0.17	1		07/23/18 12:05	75-01-4	
cis-1,2-Dichloroethene	1680	ug/L	18.1	5.4	20		07/23/18 18:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 12:05	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 12:05	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 12:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 12:05	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 12:05	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 12:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 12:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 12:05	98-06-6	
trans-1,2-Dichloroethene	22.9	ug/L	3.6	1.1	1		07/23/18 12:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 12:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/18 12:05	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		1		07/23/18 12:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/23/18 12:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-6 **Lab ID: 40172806005** Collected: 07/19/18 08:55 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 18:10	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 18:10	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 18:10	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 18:10	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 18:10	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 18:10	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 18:10	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 18:10	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 18:10	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 18:10	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 18:10	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 18:10	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 18:10	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:10	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 18:10	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 18:10	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 18:10	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 18:10	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 18:10	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 18:10	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 18:10	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 18:10	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 18:10	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 18:10	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 18:10	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 18:10	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 18:10	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 18:10	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 18:10	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 18:10	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:10	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 18:10	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 18:10	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 18:10	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 18:10	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 18:10	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 18:10	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 18:10	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 18:10	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 18:10	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 18:10	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 18:10	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 18:10	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 18:10	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 18:10	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 18:10	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-6 **Lab ID: 40172806005** Collected: 07/19/18 08:55 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 18:10	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 18:10	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 18:10	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 18:10	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 18:10	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 18:10	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 18:10	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:10	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 18:10	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 18:10	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 18:10	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 18:10	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 18:10	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 18:10	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 18:10	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/23/18 18:10	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		07/23/18 18:10	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		07/23/18 18:10	2037-26-5	

Sample: MW-7 **Lab ID: 40172806006** Collected: 07/19/18 11:20 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 18:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 18:31	71-55-6	
1,1,1,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 18:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 18:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 18:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 18:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 18:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 18:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 18:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 18:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 18:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 18:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 18:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:31	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 18:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 18:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 18:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 18:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 18:31	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-7 **Lab ID: 40172806006** Collected: 07/19/18 11:20 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 18:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 18:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 18:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 18:31	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 18:31	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 18:31	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 18:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 18:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 18:31	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 18:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 18:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:31	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 18:31	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 18:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 18:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 18:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 18:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 18:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 18:31	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 18:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 18:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 18:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 18:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 18:31	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 18:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 18:31	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 18:31	127-18-4	
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 18:31	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 18:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 18:31	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 18:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 18:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 18:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 18:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 18:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 18:31	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 18:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 18:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 18:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 18:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 18:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 18:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/23/18 18:31	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		07/23/18 18:31	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		07/23/18 18:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-8 **Lab ID: 40172806007** Collected: 07/19/18 08:30 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 13:09	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 13:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 13:09	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 13:09	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 13:09	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 13:09	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 13:09	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:09	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 13:09	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 13:09	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 13:09	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 13:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 13:09	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:09	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 13:09	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 13:09	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 13:09	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:09	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 13:09	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 13:09	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 13:09	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 13:09	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 13:09	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 13:09	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 13:09	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:09	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:09	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 13:09	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 13:09	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 13:09	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:09	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 13:09	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 13:09	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 13:09	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 13:09	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 13:09	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 13:09	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 13:09	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 13:09	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:09	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 13:09	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 13:09	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 13:09	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:09	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:09	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 13:09	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: MW-8 **Lab ID: 40172806007** Collected: 07/19/18 08:30 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 13:09	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 13:09	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 13:09	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 13:09	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 13:09	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 13:09	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:09	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:09	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 13:09	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 13:09	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 13:09	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 13:09	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 13:09	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 13:09	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 13:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		07/23/18 13:09	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/23/18 13:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/23/18 13:09	2037-26-5	

Sample: PZ-1 **Lab ID: 40172806008** Collected: 07/19/18 11:40 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 13:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 13:31	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 13:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 13:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 13:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 13:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 13:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 13:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 13:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 13:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 13:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 13:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:31	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 13:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 13:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 13:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 13:31	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: PZ-1 **Lab ID: 40172806008** Collected: 07/19/18 11:40 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 13:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 13:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 13:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 13:31	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 13:31	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 13:31	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 13:31	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 13:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 13:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:31	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 13:31	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 13:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 13:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 13:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 13:31	74-95-3	
Dichlorodifluoromethane	1.2J	ug/L	1.7	0.50	1		07/23/18 13:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 13:31	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 13:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 13:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 13:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 13:31	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:31	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		07/23/18 13:31	127-18-4	
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 13:31	108-88-3	
Trichloroethene	<0.26	ug/L	0.85	0.26	1		07/23/18 13:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 13:31	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 13:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 13:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 13:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 13:31	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 13:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 13:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 13:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 13:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 13:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 13:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		07/23/18 13:31	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		07/23/18 13:31	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/23/18 13:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: PZ-2 **Lab ID: 40172806009** Collected: 07/19/18 10:15 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	0.90	0.27	1		07/23/18 13:52	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	0.82	0.24	1		07/23/18 13:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	0.92	0.28	1		07/23/18 13:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	1.8	0.55	1		07/23/18 13:52	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	0.91	0.27	1		07/23/18 13:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	0.82	0.24	1		07/23/18 13:52	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		07/23/18 13:52	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:52	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	2.0	0.59	1		07/23/18 13:52	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	3.2	0.95	1		07/23/18 13:52	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		07/23/18 13:52	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		07/23/18 13:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		07/23/18 13:52	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:52	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	0.93	0.28	1		07/23/18 13:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	0.94	0.28	1		07/23/18 13:52	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		07/23/18 13:52	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		07/23/18 13:52	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		07/23/18 13:52	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		07/23/18 13:52	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		07/23/18 13:52	594-20-7	
2-Chlorotoluene	<0.93	ug/L	3.1	0.93	1		07/23/18 13:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		07/23/18 13:52	106-43-4	
Benzene	<0.25	ug/L	0.82	0.25	1		07/23/18 13:52	71-43-2	
Bromobenzene	<0.24	ug/L	0.80	0.24	1		07/23/18 13:52	108-86-1	
Bromochloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		07/23/18 13:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		07/23/18 13:52	75-25-2	
Bromomethane	<0.97	ug/L	3.2	0.97	1		07/23/18 13:52	74-83-9	
Carbon tetrachloride	<0.17	ug/L	0.55	0.17	1		07/23/18 13:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:52	108-90-7	
Chloroethane	<1.3	ug/L	4.5	1.3	1		07/23/18 13:52	75-00-3	
Chloroform	<1.3	ug/L	4.2	1.3	1		07/23/18 13:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		07/23/18 13:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		07/23/18 13:52	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		07/23/18 13:52	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	1.7	0.50	1		07/23/18 13:52	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		07/23/18 13:52	108-20-3	
Ethylbenzene	<0.22	ug/L	0.73	0.22	1		07/23/18 13:52	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:52	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	1.3	0.39	1		07/23/18 13:52	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		07/23/18 13:52	1634-04-4	
Methylene Chloride	<0.58	ug/L	1.9	0.58	1		07/23/18 13:52	75-09-2	
Naphthalene	<1.2	ug/L	3.9	1.2	1		07/23/18 13:52	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:52	100-42-5	
Tetrachloroethene	0.88J	ug/L	1.1	0.33	1		07/23/18 13:52	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Sample: PZ-2 **Lab ID: 40172806009** Collected: 07/19/18 10:15 Received: 07/20/18 08:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	0.57	0.17	1		07/23/18 13:52	108-88-3	
Trichloroethene	0.32J	ug/L	0.85	0.26	1		07/23/18 13:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	0.72	0.21	1		07/23/18 13:52	75-69-4	
Vinyl chloride	<0.17	ug/L	0.58	0.17	1		07/23/18 13:52	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	0.90	0.27	1		07/23/18 13:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		07/23/18 13:52	10061-01-5	
m&p-Xylene	<0.47	ug/L	1.6	0.47	1		07/23/18 13:52	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		07/23/18 13:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	2.7	0.81	1		07/23/18 13:52	103-65-1	
o-Xylene	<0.26	ug/L	0.87	0.26	1		07/23/18 13:52	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		07/23/18 13:52	99-87-6	
sec-Butylbenzene	<0.85	ug/L	2.8	0.85	1		07/23/18 13:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		07/23/18 13:52	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		07/23/18 13:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		07/23/18 13:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		07/23/18 13:52	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		07/23/18 13:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		07/23/18 13:52	2037-26-5	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

QC Batch: 295099 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40172806001, 40172806002, 40172806003, 40172806004, 40172806005, 40172806006, 40172806007, 40172806008, 40172806009

METHOD BLANK: 1725826 Matrix: Water
 Associated Lab Samples: 40172806001, 40172806002, 40172806003, 40172806004, 40172806005, 40172806006, 40172806007, 40172806008, 40172806009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	0.90	07/23/18 08:52	
1,1,1-Trichloroethane	ug/L	<0.24	0.82	07/23/18 08:52	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	0.92	07/23/18 08:52	
1,1,2-Trichloroethane	ug/L	<0.55	1.8	07/23/18 08:52	
1,1-Dichloroethane	ug/L	<0.27	0.91	07/23/18 08:52	
1,1-Dichloroethene	ug/L	<0.24	0.82	07/23/18 08:52	
1,1-Dichloropropene	ug/L	<0.54	1.8	07/23/18 08:52	
1,2,3-Trichlorobenzene	ug/L	<0.63	2.1	07/23/18 08:52	
1,2,3-Trichloropropane	ug/L	<0.59	2.0	07/23/18 08:52	
1,2,4-Trichlorobenzene	ug/L	<0.95	3.2	07/23/18 08:52	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	07/23/18 08:52	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	07/23/18 08:52	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	07/23/18 08:52	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	07/23/18 08:52	
1,2-Dichloroethane	ug/L	<0.28	0.93	07/23/18 08:52	
1,2-Dichloropropane	ug/L	<0.28	0.94	07/23/18 08:52	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	07/23/18 08:52	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	07/23/18 08:52	
1,3-Dichloropropane	ug/L	<0.83	2.8	07/23/18 08:52	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	07/23/18 08:52	
2,2-Dichloropropane	ug/L	<2.3	7.6	07/23/18 08:52	
2-Chlorotoluene	ug/L	<0.93	3.1	07/23/18 08:52	
4-Chlorotoluene	ug/L	<0.76	2.5	07/23/18 08:52	
Benzene	ug/L	<0.25	0.82	07/23/18 08:52	
Bromobenzene	ug/L	<0.24	0.80	07/23/18 08:52	
Bromochloromethane	ug/L	<0.36	1.2	07/23/18 08:52	
Bromodichloromethane	ug/L	<0.36	1.2	07/23/18 08:52	
Bromoform	ug/L	<4.0	13.2	07/23/18 08:52	
Bromomethane	ug/L	<0.97	3.2	07/23/18 08:52	
Carbon tetrachloride	ug/L	<0.17	0.55	07/23/18 08:52	
Chlorobenzene	ug/L	<0.71	2.4	07/23/18 08:52	
Chloroethane	ug/L	<1.3	4.5	07/23/18 08:52	
Chloroform	ug/L	<1.3	4.2	07/23/18 08:52	
Chloromethane	ug/L	<2.2	7.3	07/23/18 08:52	
cis-1,2-Dichloroethene	ug/L	<0.27	0.90	07/23/18 08:52	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	07/23/18 08:52	
Dibromochloromethane	ug/L	<2.6	8.7	07/23/18 08:52	
Dibromomethane	ug/L	<0.94	3.1	07/23/18 08:52	
Dichlorodifluoromethane	ug/L	<0.50	1.7	07/23/18 08:52	
Diisopropyl ether	ug/L	<1.9	6.3	07/23/18 08:52	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

METHOD BLANK: 1725826

Matrix: Water

Associated Lab Samples: 40172806001, 40172806002, 40172806003, 40172806004, 40172806005, 40172806006, 40172806007, 40172806008, 40172806009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	0.73	07/23/18 08:52	
Hexachloro-1,3-butadiene	ug/L	<1.2	3.9	07/23/18 08:52	
Isopropylbenzene (Cumene)	ug/L	<0.39	1.3	07/23/18 08:52	
m&p-Xylene	ug/L	<0.47	1.6	07/23/18 08:52	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	07/23/18 08:52	
Methylene Chloride	ug/L	<0.58	1.9	07/23/18 08:52	
n-Butylbenzene	ug/L	<0.71	2.4	07/23/18 08:52	
n-Propylbenzene	ug/L	<0.81	2.7	07/23/18 08:52	
Naphthalene	ug/L	<1.2	3.9	07/23/18 08:52	
o-Xylene	ug/L	<0.26	0.87	07/23/18 08:52	
p-Isopropyltoluene	ug/L	<0.80	2.7	07/23/18 08:52	
sec-Butylbenzene	ug/L	<0.85	2.8	07/23/18 08:52	
Styrene	ug/L	<0.47	1.6	07/23/18 08:52	
tert-Butylbenzene	ug/L	<0.30	1.0	07/23/18 08:52	
Tetrachloroethene	ug/L	<0.33	1.1	07/23/18 08:52	
Toluene	ug/L	<0.17	0.57	07/23/18 08:52	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	07/23/18 08:52	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	07/23/18 08:52	
Trichloroethene	ug/L	<0.26	0.85	07/23/18 08:52	
Trichlorofluoromethane	ug/L	<0.21	0.72	07/23/18 08:52	
Vinyl chloride	ug/L	<0.17	0.58	07/23/18 08:52	
4-Bromofluorobenzene (S)	%	96	70-130	07/23/18 08:52	
Dibromofluoromethane (S)	%	95	70-130	07/23/18 08:52	
Toluene-d8 (S)	%	98	70-130	07/23/18 08:52	

LABORATORY CONTROL SAMPLE: 1725827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.2	108	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	67-130	
1,1,2-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	51.2	102	70-134	
1,1-Dichloroethene	ug/L	50	52.1	104	75-132	
1,2,4-Trichlorobenzene	ug/L	50	52.6	105	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	49.9	100	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	53.0	106	70-130	
1,2-Dichlorobenzene	ug/L	50	52.9	106	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	73-134	
1,2-Dichloropropane	ug/L	50	51.7	103	79-128	
1,3-Dichlorobenzene	ug/L	50	52.5	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.0	104	70-130	
Benzene	ug/L	50	51.6	103	69-137	
Bromodichloromethane	ug/L	50	53.1	106	70-130	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

LABORATORY CONTROL SAMPLE: 1725827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	49.2	98	64-133	
Bromomethane	ug/L	50	28.2	56	29-123	
Carbon tetrachloride	ug/L	50	55.5	111	73-142	
Chlorobenzene	ug/L	50	53.0	106	70-130	
Chloroethane	ug/L	50	46.9	94	59-133	
Chloroform	ug/L	50	52.5	105	80-129	
Chloromethane	ug/L	50	38.0	76	27-125	
cis-1,2-Dichloroethene	ug/L	50	51.5	103	70-134	
cis-1,3-Dichloropropene	ug/L	50	53.9	108	70-130	
Dibromochloromethane	ug/L	50	54.0	108	70-130	
Dichlorodifluoromethane	ug/L	50	35.2	70	12-127	
Ethylbenzene	ug/L	50	55.2	110	86-127	
Isopropylbenzene (Cumene)	ug/L	50	58.0	116	70-130	
m&p-Xylene	ug/L	100	111	111	70-131	
Methyl-tert-butyl ether	ug/L	50	49.0	98	65-136	
Methylene Chloride	ug/L	50	48.2	96	72-133	
o-Xylene	ug/L	50	55.3	111	70-130	
Styrene	ug/L	50	55.8	112	70-130	
Tetrachloroethene	ug/L	50	52.9	106	70-130	
Toluene	ug/L	50	53.6	107	84-124	
trans-1,2-Dichloroethene	ug/L	50	52.5	105	70-133	
trans-1,3-Dichloropropene	ug/L	50	61.5	123	67-130	
Trichloroethene	ug/L	50	53.4	107	70-130	
Trichlorofluoromethane	ug/L	50	54.5	109	69-147	
Vinyl chloride	ug/L	50	46.8	94	48-134	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			97	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1725949 1725950

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	50.8	53.1	102	106	70-136	5	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	48.7	50.6	97	101	67-133	4	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.0	52.6	102	105	70-130	3	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	48.9	51.0	98	102	70-139	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	50.7	52.2	101	104	72-137	3	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	52.1	53.0	104	106	68-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50.0	51.3	100	103	60-130	3	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.0	52.7	102	105	70-130	3	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.9	52.7	102	105	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	48.7	49.7	97	99	71-137	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50.4	52.2	101	104	78-130	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Parameter	Units	40172806001		1725949		1725950		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.0	53.1	102	106	70-130	4	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.5	52.5	101	105	70-130	4	20		
Benzene	ug/L	<0.25	50	50	49.3	51.4	99	103	66-143	4	20		
Bromodichloromethane	ug/L	<0.36	50	50	50.5	52.9	101	106	70-130	5	20		
Bromoform	ug/L	<4.0	50	50	48.5	49.3	97	99	64-134	2	20		
Bromomethane	ug/L	<0.97	50	50	28.5	31.8	57	64	29-136	11	25		
Carbon tetrachloride	ug/L	<0.17	50	50	52.3	55.6	105	111	73-142	6	20		
Chlorobenzene	ug/L	<0.71	50	50	50.9	52.6	102	105	70-130	3	20		
Chloroethane	ug/L	<1.3	50	50	45.7	46.6	91	93	58-138	2	20		
Chloroform	ug/L	<1.3	50	50	49.2	51.9	98	104	80-131	5	20		
Chloromethane	ug/L	<2.2	50	50	35.6	38.0	71	76	24-125	7	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	50.6	52.8	101	106	68-137	4	22		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	52.0	53.5	104	107	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	52.5	54.5	105	109	70-131	4	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	33.7	34.7	67	69	10-127	3	20		
Ethylbenzene	ug/L	<0.22	50	50	53.1	55.1	106	110	81-136	4	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	55.4	57.9	111	116	70-132	4	20		
m&p-Xylene	ug/L	<0.47	100	100	106	111	106	111	70-135	5	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	47.0	49.6	94	99	58-142	5	23		
Methylene Chloride	ug/L	<0.58	50	50	46.2	48.0	92	96	69-137	4	20		
o-Xylene	ug/L	<0.26	50	50	53.6	55.6	107	111	70-132	4	20		
Styrene	ug/L	<0.47	50	50	53.3	55.7	107	111	70-130	5	20		
Tetrachloroethene	ug/L	<0.33	50	50	52.3	53.0	104	106	70-132	1	20		
Toluene	ug/L	<0.17	50	50	51.7	53.8	103	108	81-130	4	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	49.3	52.2	99	104	70-136	6	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	59.1	60.2	118	120	67-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	51.5	52.9	103	106	70-131	3	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	51.1	55.1	102	110	66-150	8	20		
Vinyl chloride	ug/L	<0.17	50	50	44.9	46.8	90	94	46-134	4	20		
4-Bromofluorobenzene (S)	%						101	97	70-130				
Dibromofluoromethane (S)	%						97	97	70-130				
Toluene-d8 (S)	%						99	97	70-130				

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 PIONEER BANK

Pace Project No.: 40172806

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40172806001	MW-2	EPA 8260	295099		
40172806002	MW-3	EPA 8260	295099		
40172806003	MW-4	EPA 8260	295099		
40172806004	MW-5	EPA 8260	295099		
40172806005	MW-6	EPA 8260	295099		
40172806006	MW-7	EPA 8260	295099		
40172806007	MW-8	EPA 8260	295099		
40172806008	PZ-1	EPA 8260	295099		
40172806009	PZ-2	EPA 8260	295099		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: REI
 Branch/Location: Wausau
 Project Contact: Brian Bailey
 Phone: (715) 675-9784
 Project Number: 5403
 Project Name: Pioneer Bank
 Project State: WI
 Sampled By (Print): Jed Kosch
 Sampled By (Sign): *Jed Kosch*
 PO #:
 Regulatory Program:

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air W = Water
 B = Biota DW = Drinking Water
 C = Charcoal GW = Ground Water
 O = Oil SW = Surface Water
 S = Soil WW = Waste Water
 Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-2	7/19/18	10:45	GW
002	MW-3		9:20	
003	MW-4		12:00	
004	MW-5		9:40	
005	MW-6		8:55	
006	MW-7		11:20	
007	MW-8		8:30	
008 MW-9				
008	PZ-1		11:40	
009	PZ-2		10:45	



UPPER MIDWEST REGION
 MN: 612-607-1700 WI: 920-469-2436

40172806

CHAIN OF CUSTODY

*Preservation Codes
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

Analyses Requested	Y/N	Pick Letter	Matrix	Date	Time	Matrix
VOC	N	B				

Quote #: 40172806
 Mail To Contact: Brian Bailey
 Mail To Company: REI
 Mail To Address: B.Bailey@reijoinc.com
 Invoice To Contact: SAA
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed:
 Transmit Prelim Rush Results by (complete what you want):
 Email #1:
 Email #2:
 Telephone:
 Fax:
 Samples on HOLD are subject to special pricing and release of liability

Relinquished By: <i>Jed Kosch</i> Date/Time: 7/19/18 3:00	Received By: Date/Time:
Relinquished By: WALTERO Date/Time: 7/20/18 0850	Received By: <i>[Signature]</i> Date/Time: 7/20/18 0850
Relinquished By:	Received By:
Relinquished By:	Received By:

PACE Project No. 40172806
 Receipt Temp = 1.0 °C
 Sample Receipt pH OK / Adjusted
 Cooler Custody Seal Present / Not Present Intact / Not Intact

Client Name: DEI

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Project # 40170800

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass							Plastic							Vials				Jars			General			VOA Vials (>6mm) *	H ₂ SO ₄ pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO ₃ pH ≤2	pH after adjusted	Volume (mL)				
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN									
001																																			2.5 / 5 / 10
002																																			2.5 / 5 / 10
003																																			2.5 / 5 / 10
004																																			2.5 / 5 / 10
005																																			2.5 / 5 / 10
006																																			2.5 / 5 / 10
007																																			2.5 / 5 / 10
008																																			2.5 / 5 / 10
009																																			2.5 / 5 / 10
010																																			2.5 / 5 / 10
011																																			2.5 / 5 / 10
012																																			2.5 / 5 / 10
013																																			2.5 / 5 / 10
014																																			2.5 / 5 / 10
015																																			2.5 / 5 / 10
016																																			2.5 / 5 / 10
017																																			2.5 / 5 / 10
018																																			2.5 / 5 / 10
019																																			2.5 / 5 / 10
020																																			2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

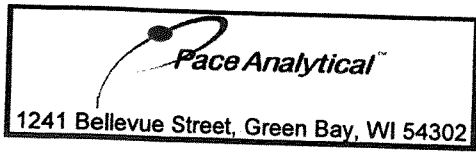
AG1U 1 liter amber glass
AG1H 1 liter amber glass HCL
AG4S 125 mL amber glass H₂SO₄
AG4U 120 mL amber glass unpres
AG5U 100 mL amber glass unpres
AG2S 500 mL amber glass H₂SO₄
BG3U 250 mL clear glass unpres

BP1U 1 liter plastic unpres
BP2N 500 mL plastic HNO₃
BP2Z 500 mL plastic NaOH, Znact
BP3U 250 mL plastic unpres
BP3C 250 mL plastic NaOH
BP3N 250 mL plastic HNO₃
BP3S 250 mL plastic H₂SO₄

DG9A 40 mL amber ascorbic
DG9T 40 mL amber Na Thio
VG9U 40 mL clear vial unpres
VG9H 40 mL clear vial HCL
VG9M 40 mL clear vial MeOH
VG9D 40 mL clear vial DI

JGFU 4 oz amber jar unpres
WGFU 4 oz clear jar unpres
WPFU 4 oz plastic jar unpres

SP5T 120 mL plastic Na Thiosulfate
ZPLC ziploc bag
GN:



Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: R21
 Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Project # _____
WO# : 40172806

 40172806

Tracking #: 178 0087
 Custody Seal on Cooler/Box Present: yes no Seals intact: yes no
 Custody Seal on Samples Present: yes no Seals intact: yes no
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer Used SR - 22 Type of Ice: Wet Blue Dry None
 Cooler Temperature Uncorr: 2.0 / Corr: 1.0 Samples on ice, cooling process has begun

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 7/20/18
 Initials: JM

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1. <u>+ duplicate COC</u>	<u>JM 7/20/18</u>
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	<u>JM 7/20/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	<u>JM 7/20/18</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.	
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:	
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.	
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.	
Sufficient Volume:		8.	
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.	
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.	
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.	<u>'D006 - 25" MWB-7</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>			<u>JM 7/20/18</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.	
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Pace Trip Blank Lot # (if purchased):			

Client Notification/ Resolution:
 Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments
 Comments/ Resolution: _____

Views shared w/ WO 40172806 R21 7/20/18

Project Manager Review: [Signature] Date: 7-20-18

October 24, 2018

Brian Bailey
REI Engineering
4080 North 20th Ave
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 40178088

Dear Brian Bailey:

Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2018. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Brian Basten
brian.basten@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40178088001	MW-2	Water	10/18/18 11:45	10/20/18 08:30
40178088002	MW-3	Water	10/18/18 11:33	10/20/18 08:30
40178088003	MW-4	Water	10/18/18 12:20	10/20/18 08:30
40178088004	MW-5	Water	10/18/18 11:20	10/20/18 08:30
40178088005	MW-6	Water	10/18/18 10:37	10/20/18 08:30
40178088006	MWB-7	Water	10/18/18 11:55	10/20/18 08:30
40178088007	MW-8	Water	10/18/18 12:50	10/20/18 08:30
40178088008	PZ-1	Water	10/18/18 12:05	10/20/18 08:30
40178088009	PZ-2	Water	10/18/18 11:07	10/20/18 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40178088001	MW-2	EPA 8260	LAP	64
40178088002	MW-3	EPA 8260	LAP	64
40178088003	MW-4	EPA 8260	LAP	64
40178088004	MW-5	EPA 8260	LAP	64
40178088005	MW-6	EPA 8260	LAP	64
40178088006	MWB-7	EPA 8260	LAP	64
40178088007	MW-8	EPA 8260	LAP	64
40178088008	PZ-1	EPA 8260	LAP	64
40178088009	PZ-2	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-2 **Lab ID: 40178088001** Collected: 10/18/18 11:45 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 09:36	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 09:36	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 09:36	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 09:36	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 09:36	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 09:36	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 09:36	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 09:36	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 09:36	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 09:36	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 09:36	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 09:36	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 09:36	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 09:36	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 09:36	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 09:36	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 09:36	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 09:36	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 09:36	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 09:36	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 09:36	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 09:36	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 09:36	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 09:36	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 09:36	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 09:36	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 09:36	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 09:36	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 09:36	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 09:36	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 09:36	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 09:36	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 09:36	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 09:36	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 09:36	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 09:36	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 09:36	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 09:36	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 09:36	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 09:36	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 09:36	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 09:36	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 09:36	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 09:36	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 09:36	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 09:36	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-2 **Lab ID: 40178088001** Collected: 10/18/18 11:45 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 09:36	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 09:36	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 09:36	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 09:36	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 09:36	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 09:36	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 09:36	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 09:36	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 09:36	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 09:36	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 09:36	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 09:36	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 09:36	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 09:36	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 09:36	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		10/23/18 09:36	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/23/18 09:36	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/23/18 09:36	2037-26-5	

Sample: MW-3 **Lab ID: 40178088002** Collected: 10/18/18 11:33 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 10:21	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 10:21	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 10:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 10:21	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 10:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 10:21	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 10:21	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 10:21	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 10:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 10:21	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 10:21	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 10:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 10:21	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:21	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 10:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 10:21	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 10:21	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 10:21	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 10:21	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-3 **Lab ID: 40178088002** Collected: 10/18/18 11:33 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 10:21	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 10:21	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 10:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 10:21	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 10:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 10:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 10:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 10:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 10:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 10:21	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 10:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 10:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 10:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 10:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 10:21	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 10:21	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 10:21	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 10:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 10:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 10:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 10:21	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 10:21	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 10:21	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 10:21	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 10:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 10:21	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 10:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 10:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 10:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 10:21	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 10:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 10:21	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 10:21	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:21	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 10:21	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 10:21	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 10:21	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 10:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 10:21	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 10:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 10:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/23/18 10:21	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		1		10/23/18 10:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/23/18 10:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-4 Lab ID: 40178088003 Collected: 10/18/18 12:20 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<1.3	ug/L	5.0	1.3	5		10/23/18 09:59	630-20-6	
1,1,1-Trichloroethane	<1.2	ug/L	5.0	1.2	5		10/23/18 09:59	71-55-6	
1,1,2,2-Tetrachloroethane	<1.4	ug/L	5.0	1.4	5		10/23/18 09:59	79-34-5	
1,1,2-Trichloroethane	<2.8	ug/L	25.0	2.8	5		10/23/18 09:59	79-00-5	
1,1-Dichloroethane	<1.4	ug/L	5.0	1.4	5		10/23/18 09:59	75-34-3	
1,1-Dichloroethene	<1.2	ug/L	5.0	1.2	5		10/23/18 09:59	75-35-4	
1,1-Dichloropropene	<2.7	ug/L	9.0	2.7	5		10/23/18 09:59	563-58-6	
1,2,3-Trichlorobenzene	<3.1	ug/L	25.0	3.1	5		10/23/18 09:59	87-61-6	
1,2,3-Trichloropropane	<3.0	ug/L	25.0	3.0	5		10/23/18 09:59	96-18-4	
1,2,4-Trichlorobenzene	<4.8	ug/L	25.0	4.8	5		10/23/18 09:59	120-82-1	
1,2,4-Trimethylbenzene	330	ug/L	14.0	4.2	5		10/23/18 09:59	95-63-6	
1,2-Dibromo-3-chloropropane	<8.8	ug/L	29.4	8.8	5		10/23/18 09:59	96-12-8	
1,2-Dibromoethane (EDB)	<4.1	ug/L	13.8	4.1	5		10/23/18 09:59	106-93-4	
1,2-Dichlorobenzene	<3.5	ug/L	11.8	3.5	5		10/23/18 09:59	95-50-1	
1,2-Dichloroethane	<1.4	ug/L	5.0	1.4	5		10/23/18 09:59	107-06-2	
1,2-Dichloropropane	<1.4	ug/L	5.0	1.4	5		10/23/18 09:59	78-87-5	
1,3,5-Trimethylbenzene	99.0	ug/L	14.6	4.4	5		10/23/18 09:59	108-67-8	
1,3-Dichlorobenzene	<3.1	ug/L	10.5	3.1	5		10/23/18 09:59	541-73-1	
1,3-Dichloropropane	<4.1	ug/L	13.8	4.1	5		10/23/18 09:59	142-28-9	
1,4-Dichlorobenzene	<4.7	ug/L	15.7	4.7	5		10/23/18 09:59	106-46-7	
2,2-Dichloropropane	<11.3	ug/L	37.8	11.3	5		10/23/18 09:59	594-20-7	
2-Chlorotoluene	<4.6	ug/L	25.0	4.6	5		10/23/18 09:59	95-49-8	
4-Chlorotoluene	<3.8	ug/L	12.6	3.8	5		10/23/18 09:59	106-43-4	
Benzene	41.6	ug/L	5.0	1.2	5		10/23/18 09:59	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		10/23/18 09:59	108-86-1	
Bromochloromethane	<1.8	ug/L	25.0	1.8	5		10/23/18 09:59	74-97-5	
Bromodichloromethane	<1.8	ug/L	6.1	1.8	5		10/23/18 09:59	75-27-4	
Bromoform	<19.9	ug/L	66.2	19.9	5		10/23/18 09:59	75-25-2	
Bromomethane	<4.9	ug/L	25.0	4.9	5		10/23/18 09:59	74-83-9	
Carbon tetrachloride	<0.83	ug/L	5.0	0.83	5		10/23/18 09:59	56-23-5	
Chlorobenzene	<3.6	ug/L	11.8	3.6	5		10/23/18 09:59	108-90-7	
Chloroethane	<6.7	ug/L	25.0	6.7	5		10/23/18 09:59	75-00-3	
Chloroform	<6.4	ug/L	25.0	6.4	5		10/23/18 09:59	67-66-3	
Chloromethane	<10.9	ug/L	36.5	10.9	5		10/23/18 09:59	74-87-3	
Dibromochloromethane	<13.0	ug/L	43.4	13.0	5		10/23/18 09:59	124-48-1	
Dibromomethane	<4.7	ug/L	15.6	4.7	5		10/23/18 09:59	74-95-3	
Dichlorodifluoromethane	<2.5	ug/L	25.0	2.5	5		10/23/18 09:59	75-71-8	
Diisopropyl ether	<9.4	ug/L	31.5	9.4	5		10/23/18 09:59	108-20-3	
Ethylbenzene	514	ug/L	5.0	1.1	5		10/23/18 09:59	100-41-4	
Hexachloro-1,3-butadiene	<5.9	ug/L	25.0	5.9	5		10/23/18 09:59	87-68-3	
Isopropylbenzene (Cumene)	28.0	ug/L	25.0	2.0	5		10/23/18 09:59	98-82-8	
Methyl-tert-butyl ether	<6.2	ug/L	20.8	6.2	5		10/23/18 09:59	1634-04-4	
Methylene Chloride	<2.9	ug/L	25.0	2.9	5		10/23/18 09:59	75-09-2	
Naphthalene	65.1	ug/L	25.0	5.9	5		10/23/18 09:59	91-20-3	
Styrene	<2.3	ug/L	7.8	2.3	5		10/23/18 09:59	100-42-5	
Tetrachloroethene	<1.6	ug/L	5.4	1.6	5		10/23/18 09:59	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-4 **Lab ID: 40178088003** Collected: 10/18/18 12:20 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	5.9J	ug/L	25.0	0.86	5		10/23/18 09:59	108-88-3	
Trichloroethene	<1.3	ug/L	5.0	1.3	5		10/23/18 09:59	79-01-6	
Trichlorofluoromethane	<1.1	ug/L	5.0	1.1	5		10/23/18 09:59	75-69-4	
Vinyl chloride	<0.87	ug/L	5.0	0.87	5		10/23/18 09:59	75-01-4	
cis-1,2-Dichloroethene	<1.4	ug/L	5.0	1.4	5		10/23/18 09:59	156-59-2	
cis-1,3-Dichloropropene	<18.1	ug/L	60.5	18.1	5		10/23/18 09:59	10061-01-5	
m&p-Xylene	409	ug/L	10.0	2.3	5		10/23/18 09:59	179601-23-1	
n-Butylbenzene	<3.5	ug/L	11.8	3.5	5		10/23/18 09:59	104-51-8	
n-Propylbenzene	44.0	ug/L	25.0	4.1	5		10/23/18 09:59	103-65-1	
o-Xylene	21.3	ug/L	5.0	1.3	5		10/23/18 09:59	95-47-6	
p-Isopropyltoluene	10.3J	ug/L	13.3	4.0	5		10/23/18 09:59	99-87-6	
sec-Butylbenzene	5.6J	ug/L	25.0	4.2	5		10/23/18 09:59	135-98-8	
tert-Butylbenzene	<1.5	ug/L	5.1	1.5	5		10/23/18 09:59	98-06-6	
trans-1,2-Dichloroethene	<5.5	ug/L	18.2	5.5	5		10/23/18 09:59	156-60-5	
trans-1,3-Dichloropropene	<21.9	ug/L	72.8	21.9	5		10/23/18 09:59	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		5		10/23/18 09:59	460-00-4	
Dibromofluoromethane (S)	93	%	70-130		5		10/23/18 09:59	1868-53-7	
Toluene-d8 (S)	101	%	70-130		5		10/23/18 09:59	2037-26-5	

Sample: MW-5 **Lab ID: 40178088004** Collected: 10/18/18 11:20 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 10:44	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 10:44	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 10:44	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 10:44	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 10:44	75-34-3	
1,1-Dichloroethene	0.42J	ug/L	1.0	0.24	1		10/23/18 10:44	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 10:44	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 10:44	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 10:44	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 10:44	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 10:44	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 10:44	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 10:44	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:44	95-50-1	
1,2-Dichloroethane	6.0	ug/L	1.0	0.28	1		10/23/18 10:44	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 10:44	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 10:44	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 10:44	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 10:44	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-5 **Lab ID: 40178088004** Collected: 10/18/18 11:20 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 10:44	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 10:44	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 10:44	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 10:44	106-43-4	
Benzene	139	ug/L	1.0	0.25	1		10/23/18 10:44	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 10:44	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 10:44	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 10:44	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 10:44	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 10:44	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 10:44	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:44	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 10:44	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 10:44	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 10:44	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 10:44	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 10:44	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 10:44	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 10:44	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 10:44	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 10:44	87-68-3	
Isopropylbenzene (Cumene)	1.4J	ug/L	5.0	0.39	1		10/23/18 10:44	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 10:44	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 10:44	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 10:44	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 10:44	100-42-5	
Tetrachloroethene	215	ug/L	1.1	0.33	1		10/23/18 10:44	127-18-4	
Toluene	1.1J	ug/L	5.0	0.17	1		10/23/18 10:44	108-88-3	
Trichloroethene	312	ug/L	20.0	5.1	20		10/23/18 11:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 10:44	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 10:44	75-01-4	
cis-1,2-Dichloroethene	1390	ug/L	20.0	5.4	20		10/23/18 11:29	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 10:44	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 10:44	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 10:44	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 10:44	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 10:44	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 10:44	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 10:44	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 10:44	98-06-6	
trans-1,2-Dichloroethene	23.3	ug/L	3.6	1.1	1		10/23/18 10:44	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 10:44	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/23/18 10:44	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		10/23/18 10:44	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/23/18 10:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-6 Lab ID: 40178088005 Collected: 10/18/18 10:37 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:12	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 16:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 16:12	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:12	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 16:12	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 16:12	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 16:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 16:12	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 16:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 16:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 16:12	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:12	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:12	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 16:12	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 16:12	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 16:12	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 16:12	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 16:12	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 16:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 16:12	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 16:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 16:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 16:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 16:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 16:12	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 16:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 16:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 16:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 16:12	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 16:12	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 16:12	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 16:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 16:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 16:12	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 16:12	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 16:12	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:12	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 16:12	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 16:12	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-6 Lab ID: 40178088005 Collected: 10/18/18 10:37 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 16:12	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 16:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:12	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 16:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 16:12	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 16:12	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:12	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 16:12	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:12	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 16:12	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 16:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 16:12	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 16:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 16:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		10/23/18 16:12	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/23/18 16:12	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/23/18 16:12	2037-26-5	

Sample: MWB-7 Lab ID: 40178088006 Collected: 10/18/18 11:55 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:35	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 16:35	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:35	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 16:35	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:35	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:35	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 16:35	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 16:35	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 16:35	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 16:35	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 16:35	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 16:35	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 16:35	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:35	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:35	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:35	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 16:35	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 16:35	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 16:35	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MWB-7 **Lab ID: 40178088006** Collected: 10/18/18 11:55 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 16:35	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 16:35	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 16:35	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 16:35	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 16:35	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:35	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 16:35	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 16:35	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 16:35	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 16:35	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:35	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:35	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 16:35	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 16:35	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 16:35	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 16:35	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 16:35	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 16:35	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 16:35	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 16:35	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:35	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 16:35	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 16:35	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 16:35	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:35	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 16:35	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 16:35	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 16:35	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:35	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 16:35	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:35	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 16:35	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 16:35	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 16:35	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:35	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 16:35	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:35	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 16:35	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 16:35	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 16:35	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 16:35	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 16:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		10/23/18 16:35	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		10/23/18 16:35	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		10/23/18 16:35	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-8 **Lab ID: 40178088007** Collected: 10/18/18 12:50 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:58	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 16:58	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:58	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 16:58	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 16:58	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:58	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 16:58	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 16:58	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 16:58	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 16:58	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 16:58	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 16:58	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 16:58	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:58	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:58	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 16:58	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 16:58	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 16:58	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 16:58	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 16:58	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 16:58	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 16:58	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 16:58	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 16:58	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 16:58	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 16:58	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 16:58	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 16:58	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 16:58	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:58	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:58	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 16:58	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 16:58	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 16:58	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 16:58	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 16:58	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 16:58	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 16:58	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 16:58	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:58	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 16:58	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 16:58	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 16:58	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 16:58	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 16:58	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 16:58	127-18-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: MW-8 **Lab ID: 40178088007** Collected: 10/18/18 12:50 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 16:58	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:58	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 16:58	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 16:58	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 16:58	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 16:58	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 16:58	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 16:58	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 16:58	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 16:58	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 16:58	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 16:58	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 16:58	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 16:58	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 16:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/23/18 16:58	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/23/18 16:58	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/23/18 16:58	2037-26-5	

Sample: PZ-1 **Lab ID: 40178088008** Collected: 10/18/18 12:05 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 17:20	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 17:20	71-55-6	
1,1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:20	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 17:20	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 17:20	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 17:20	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 17:20	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 17:20	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 17:20	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 17:20	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 17:20	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 17:20	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 17:20	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:20	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:20	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:20	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 17:20	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 17:20	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 17:20	142-28-9	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: PZ-1 **Lab ID: 40178088008** Collected: 10/18/18 12:05 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 17:20	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 17:20	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 17:20	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 17:20	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 17:20	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 17:20	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 17:20	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 17:20	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 17:20	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 17:20	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 17:20	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:20	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 17:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 17:20	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 17:20	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 17:20	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 17:20	74-95-3	
Dichlorodifluoromethane	1.2J	ug/L	5.0	0.50	1		10/23/18 17:20	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 17:20	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 17:20	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 17:20	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 17:20	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 17:20	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 17:20	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 17:20	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 17:20	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/23/18 17:20	127-18-4	
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 17:20	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/23/18 17:20	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 17:20	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 17:20	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 17:20	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 17:20	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 17:20	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:20	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 17:20	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 17:20	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 17:20	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 17:20	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 17:20	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 17:20	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 17:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	92	%	70-130		1		10/23/18 17:20	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/23/18 17:20	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		10/23/18 17:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: PZ-2 **Lab ID: 40178088009** Collected: 10/18/18 11:07 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 17:43	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/23/18 17:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/23/18 17:43	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/23/18 17:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/23/18 17:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/23/18 17:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		10/23/18 17:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/23/18 17:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/23/18 17:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/23/18 17:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/23/18 17:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/23/18 17:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/23/18 17:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/23/18 17:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/23/18 17:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/23/18 17:43	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/23/18 17:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/23/18 17:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/23/18 17:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/23/18 17:43	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		10/23/18 17:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/23/18 17:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/23/18 17:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/23/18 17:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/23/18 17:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/23/18 17:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		10/23/18 17:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/23/18 17:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/23/18 17:43	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/23/18 17:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/23/18 17:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/23/18 17:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/23/18 17:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/23/18 17:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		10/23/18 17:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		10/23/18 17:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		10/23/18 17:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/23/18 17:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/23/18 17:43	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/23/18 17:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		10/23/18 17:43	100-42-5	
Tetrachloroethene	0.38J	ug/L	1.1	0.33	1		10/23/18 17:43	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Sample: PZ-2 **Lab ID: 40178088009** Collected: 10/18/18 11:07 Received: 10/20/18 08:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		10/23/18 17:43	108-88-3	
Trichloroethene	0.27J	ug/L	1.0	0.26	1		10/23/18 17:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/23/18 17:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/23/18 17:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/23/18 17:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/23/18 17:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/23/18 17:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/23/18 17:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/23/18 17:43	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/23/18 17:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/23/18 17:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/23/18 17:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/23/18 17:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		10/23/18 17:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/23/18 17:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		10/23/18 17:43	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		10/23/18 17:43	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		10/23/18 17:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

QC Batch: 303877 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40178088001, 40178088002, 40178088003, 40178088004, 40178088005, 40178088006, 40178088007, 40178088008, 40178088009

METHOD BLANK: 1775642 Matrix: Water
 Associated Lab Samples: 40178088001, 40178088002, 40178088003, 40178088004, 40178088005, 40178088006, 40178088007, 40178088008, 40178088009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/23/18 06:58	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/23/18 06:58	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/23/18 06:58	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/23/18 06:58	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/23/18 06:58	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/23/18 06:58	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/23/18 06:58	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	10/23/18 06:58	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/23/18 06:58	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/23/18 06:58	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/23/18 06:58	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/23/18 06:58	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/23/18 06:58	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/23/18 06:58	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/23/18 06:58	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/23/18 06:58	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/23/18 06:58	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/23/18 06:58	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/23/18 06:58	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/23/18 06:58	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/23/18 06:58	
2-Chlorotoluene	ug/L	<0.93	5.0	10/23/18 06:58	
4-Chlorotoluene	ug/L	<0.76	2.5	10/23/18 06:58	
Benzene	ug/L	<0.25	1.0	10/23/18 06:58	
Bromobenzene	ug/L	<0.24	1.0	10/23/18 06:58	
Bromochloromethane	ug/L	<0.36	5.0	10/23/18 06:58	
Bromodichloromethane	ug/L	<0.36	1.2	10/23/18 06:58	
Bromoform	ug/L	<4.0	13.2	10/23/18 06:58	
Bromomethane	ug/L	<0.97	5.0	10/23/18 06:58	
Carbon tetrachloride	ug/L	<0.17	1.0	10/23/18 06:58	
Chlorobenzene	ug/L	<0.71	2.4	10/23/18 06:58	
Chloroethane	ug/L	<1.3	5.0	10/23/18 06:58	
Chloroform	ug/L	<1.3	5.0	10/23/18 06:58	
Chloromethane	ug/L	<2.2	7.3	10/23/18 06:58	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/23/18 06:58	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/23/18 06:58	
Dibromochloromethane	ug/L	<2.6	8.7	10/23/18 06:58	
Dibromomethane	ug/L	<0.94	3.1	10/23/18 06:58	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/23/18 06:58	
Diisopropyl ether	ug/L	<1.9	6.3	10/23/18 06:58	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

METHOD BLANK: 1775642

Matrix: Water

Associated Lab Samples: 40178088001, 40178088002, 40178088003, 40178088004, 40178088005, 40178088006, 40178088007, 40178088008, 40178088009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	10/23/18 06:58	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	10/23/18 06:58	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	10/23/18 06:58	
m&p-Xylene	ug/L	<0.47	2.0	10/23/18 06:58	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/23/18 06:58	
Methylene Chloride	ug/L	<0.58	5.0	10/23/18 06:58	
n-Butylbenzene	ug/L	<0.71	2.4	10/23/18 06:58	
n-Propylbenzene	ug/L	<0.81	5.0	10/23/18 06:58	
Naphthalene	ug/L	<1.2	5.0	10/23/18 06:58	
o-Xylene	ug/L	<0.26	1.0	10/23/18 06:58	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/23/18 06:58	
sec-Butylbenzene	ug/L	<0.85	5.0	10/23/18 06:58	
Styrene	ug/L	<0.47	1.6	10/23/18 06:58	
tert-Butylbenzene	ug/L	<0.30	1.0	10/23/18 06:58	
Tetrachloroethene	ug/L	<0.33	1.1	10/23/18 06:58	
Toluene	ug/L	<0.17	5.0	10/23/18 06:58	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	10/23/18 06:58	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/23/18 06:58	
Trichloroethene	ug/L	<0.26	1.0	10/23/18 06:58	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/23/18 06:58	
Vinyl chloride	ug/L	<0.17	1.0	10/23/18 06:58	
4-Bromofluorobenzene (S)	%	96	70-130	10/23/18 06:58	
Dibromofluoromethane (S)	%	100	70-130	10/23/18 06:58	
Toluene-d8 (S)	%	98	70-130	10/23/18 06:58	

LABORATORY CONTROL SAMPLE: 1775643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	67-130	
1,1,2-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethane	ug/L	50	51.4	103	70-134	
1,1-Dichloroethene	ug/L	50	50.2	100	75-132	
1,2,4-Trichlorobenzene	ug/L	50	49.0	98	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.1	86	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	51.3	103	70-130	
1,2-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,2-Dichloroethane	ug/L	50	51.0	102	73-134	
1,2-Dichloropropane	ug/L	50	51.5	103	79-128	
1,3-Dichlorobenzene	ug/L	50	50.5	101	70-130	
1,4-Dichlorobenzene	ug/L	50	51.4	103	70-130	
Benzene	ug/L	50	51.5	103	69-137	
Bromodichloromethane	ug/L	50	49.5	99	70-130	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

LABORATORY CONTROL SAMPLE: 1775643

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	45.6	91	64-133	
Bromomethane	ug/L	50	41.8	84	29-123	
Carbon tetrachloride	ug/L	50	52.5	105	73-142	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	48.8	98	59-133	
Chloroform	ug/L	50	51.3	103	80-129	
Chloromethane	ug/L	50	37.7	75	27-125	
cis-1,2-Dichloroethene	ug/L	50	49.8	100	70-134	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	70-130	
Dibromochloromethane	ug/L	50	47.5	95	70-130	
Dichlorodifluoromethane	ug/L	50	31.0	62	12-127	
Ethylbenzene	ug/L	50	53.3	107	86-127	
Isopropylbenzene (Cumene)	ug/L	50	54.1	108	70-130	
m&p-Xylene	ug/L	100	106	106	70-131	
Methyl-tert-butyl ether	ug/L	50	42.0	84	65-136	
Methylene Chloride	ug/L	50	49.8	100	72-133	
o-Xylene	ug/L	50	52.7	105	70-130	
Styrene	ug/L	50	52.3	105	70-130	
Tetrachloroethene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	52.6	105	84-124	
trans-1,2-Dichloroethene	ug/L	50	50.4	101	70-133	
trans-1,3-Dichloropropene	ug/L	50	46.1	92	67-130	
Trichloroethene	ug/L	50	52.2	104	70-130	
Trichlorofluoromethane	ug/L	50	55.6	111	69-147	
Vinyl chloride	ug/L	50	43.2	86	48-134	
4-Bromofluorobenzene (S)	%			93	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1776246 1776247

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40178088001 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	48.2	50.0	96	100	70-136	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.2	51.5	104	103	67-133	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	52.8	51.7	106	103	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	50.5	52.6	101	105	70-139	4	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	49.8	53.7	100	107	72-137	8	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.0	51.6	101	102	68-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.5	51.4	93	103	60-130	10	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	51.0	50.1	102	100	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	51.9	51.9	104	104	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	50.5	51.3	101	103	71-137	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	52.4	54.4	105	109	78-130	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Parameter	Units	1776246		1776247		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40178088001 Result	MS Spike Conc.	MSD Spike Conc.	MSD Result							
1,3-Dichlorobenzene	ug/L	<0.63	50	50	50.7	50.8	101	102	70-130	0	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.2	51.6	102	103	70-130	1	20	
Benzene	ug/L	<0.25	50	50	51.4	53.1	103	106	66-143	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	49.3	52.9	99	106	70-130	7	20	
Bromoform	ug/L	<4.0	50	50	48.1	47.6	96	95	64-134	1	20	
Bromomethane	ug/L	<0.97	50	50	41.9	45.9	84	92	29-136	9	25	
Carbon tetrachloride	ug/L	<0.17	50	50	52.2	54.0	104	108	73-142	4	20	
Chlorobenzene	ug/L	<0.71	50	50	51.9	52.2	104	104	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	46.5	48.4	93	97	58-138	4	20	
Chloroform	ug/L	<1.3	50	50	52.3	52.4	105	105	80-131	0	20	
Chloromethane	ug/L	<2.2	50	50	36.4	37.3	73	75	24-125	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	48.7	51.0	97	102	68-137	5	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	48.8	50.7	98	101	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	49.0	49.4	98	99	70-131	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	31.6	32.5	63	65	10-127	3	20	
Ethylbenzene	ug/L	<0.22	50	50	53.1	54.5	106	109	81-136	3	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.1	54.7	106	109	70-132	3	20	
m&p-Xylene	ug/L	<0.47	100	100	104	107	104	107	70-135	3	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	42.3	46.0	85	92	58-142	8	23	
Methylene Chloride	ug/L	<0.58	50	50	49.8	53.0	100	106	69-137	6	20	
o-Xylene	ug/L	<0.26	50	50	52.3	52.3	105	105	70-132	0	20	
Styrene	ug/L	<0.47	50	50	51.5	53.4	103	107	70-130	4	20	
Tetrachloroethene	ug/L	<0.33	50	50	53.4	51.6	107	103	70-132	3	20	
Toluene	ug/L	<0.17	50	50	52.9	51.8	106	104	81-130	2	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	49.9	51.3	100	103	70-136	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	48.3	46.7	97	93	67-130	3	20	
Trichloroethene	ug/L	<0.26	50	50	51.1	54.4	102	109	70-131	6	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.8	57.3	110	115	66-150	4	20	
Vinyl chloride	ug/L	<0.17	50	50	42.9	45.1	86	90	46-134	5	20	
4-Bromofluorobenzene (S)	%						94	97	70-130			
Dibromofluoromethane (S)	%						97	103	70-130			
Toluene-d8 (S)	%						99	98	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 5403 PIONEER BANK
Pace Project No.: 40178088

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 PIONEER BANK

Pace Project No.: 40178088

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40178088001	MW-2	EPA 8260	303877		
40178088002	MW-3	EPA 8260	303877		
40178088003	MW-4	EPA 8260	303877		
40178088004	MW-5	EPA 8260	303877		
40178088005	MW-6	EPA 8260	303877		
40178088006	MWB-7	EPA 8260	303877		
40178088007	MW-8	EPA 8260	303877		
40178088008	PZ-1	EPA 8260	303877		
40178088009	PZ-2	EPA 8260	303877		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: REI
 Branch/Location: Wausau
 Project Contact: Brian Bailey
 Phone: 715-675-9784
 Project Number: 5403
 Project Name: Pioneer Bank
 Project State: WI
 Sampled By (Print): Ryan Resch
 Sampled By (Sign): *[Signature]*
 PO #: _____ Regulatory Program: _____



UPPER MIDWEST REGION

MN: 612-607-1700 WI: 920-469-2436

CHAIN OF CUSTODY

***Preservation Codes**
 A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
(YES/NO)
 PRESERVATION
(CODE)*

Y/N	Pick Letter	Analysis Requested																			
N	B	PVOC FN																			

Quote #: _____
 Mail To Contact: Brian Bailey
 Mail To Company: REI
 Mail To Address: B.Bailey@rcdesigns.com
 Invoice To Contact: SAA
 Invoice To Company: I
 Invoice To Address: I
 Invoice To Phone: _____
 CLIENT COMMENTS: _____ LAB COMMENTS (Lab Use Only): _____ Profile #: _____

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
 A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
 W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-2	10/19/18	11:45	DW
002	MW-3		11:33	
003	MW-4		12:20	
004	MW-5		11:20	
005	MW-6		10:37	
006	MWB-7		11:55	
007	MW-8		12:50	
008	PZ-1		12:05	
009	PZ-2		11:07	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Transmit Prelim Rush Results by (complete what you want): _____

Relinquished By: <i>[Signature]</i> Date/Time: 10/19/18 1:00 pm	Received By: <i>[Signature]</i> Date/Time: 10/20/18 0830	PACE Project No. 40178088 Receipt Temp = 20.1 °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
Relinquished By: WAITO Date/Time: 10/20/18 0830	Received By: <i>[Signature]</i> Date/Time: 10/20/18 0830	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	
Relinquished By: _____ Date/Time: _____	Received By: _____ Date/Time: _____	

Samples on HOLD are subject to special pricing and release of liability

(Please Print Clearly)

Company Name: REI
Branch/Location: Wausau
Project Contact: Brian Bailey
Phone: 715-675-9784
Project Number: 5403
Project Name: Piscoon Bank
Project State: WI
Sampled By (Print): Ryan Rasch
Sampled By (Sign): Ryan Rasch



CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=Dl Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:
Mail To Contact: Brian Bailey
Mail To Company: REI
Mail To Address: Bbailey@reiengineering.com
Invoice To Contact: Brian Bailey
Invoice To Company: REI
Invoice To Address: Bbailey@reiengineering.com

FILTERED?
(YES/NO)
PRESERVATION
(CODE)*

Y/N	Pick Letter	Analyses Requested
N	B	VOL

Data Package Options (billable)
 EPA Level III
 EPA Level IV

MS/MSD
 On your sample (billable)
 NOT needed on your sample

Matrix Codes
A = Air B = Biota C = Charcoal O = Oil S = Soil SI = Sludge
W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WW = Waste Water WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-2	10/18/18	11:45	AW
002	MW-3		11:33	
003	MW-4		12:20	
004	MW-5		11:20	
005	MW-6		10:37	
006	MWB-7		11:55	
007	MW-8		12:50	
008	PZ-1		12:05	
009	PZ-2		11:07	

Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By: Ryan Rasch	Date/Time: 10/19/18 1:00 pm	Received By: [Signature]	Date/Time: 10/20/18 0830
Relinquished By: Wausau	Date/Time: 10/20/18 0830	Received By: [Signature]	Date/Time: 10/20/18 0830
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
Receipt Temp = 20.1 °C
Sample Receipt pH
OK / Adjusted
Cooler Custody Seal Present / Not Present Intact / Not Intact

Sample Preservation Receipt Form

Client Name: RFI

Project # 40178088

All containers needing preservation have been checked and noted below: Yes No N/A

Lab Lot# of pH paper: _____

Lab Std #ID of preservation (if pH adjusted): _____

Initial when completed: _____

Date/Time: _____

Pace Lab #	Glass						Plastic						Vials				Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU								WPFU	SP5T
001																															2.5 / 5 / 10
002																															2.5 / 5 / 10
003																															2.5 / 5 / 10
004																															2.5 / 5 / 10
005																															2.5 / 5 / 10
006																															2.5 / 5 / 10
007																															2.5 / 5 / 10
008																															2.5 / 5 / 10
009																															2.5 / 5 / 10
010																															2.5 / 5 / 10
011																															2.5 / 5 / 10
012																															2.5 / 5 / 10
013																															2.5 / 5 / 10
014																															2.5 / 5 / 10
015																															2.5 / 5 / 10
016																															2.5 / 5 / 10
017																															2.5 / 5 / 10
018																															2.5 / 5 / 10
019																															2.5 / 5 / 10
020																															2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : Yes No N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3C	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	



Document Name:
Sample Condition Upon Receipt (SCUR)

Document No.:
F-GB-C-031-Rev.07

Document Revised: 25Apr2018

Issuing Authority:
Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project # **WO# : 40178088**

Client Name: REI

Courier: CS Logistics Fed Ex Speedee UPS Walto
 Client Pace Other: _____



Tracking #: 1870235-1

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ /Corr: ROL

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 10/20/18
 Initials: RL

Temp should be above freezing to 6°C.
 Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. no pg # <u>10/20/18 RL</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12. 005 client wrote in pencil <u>10/20/18 RL</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

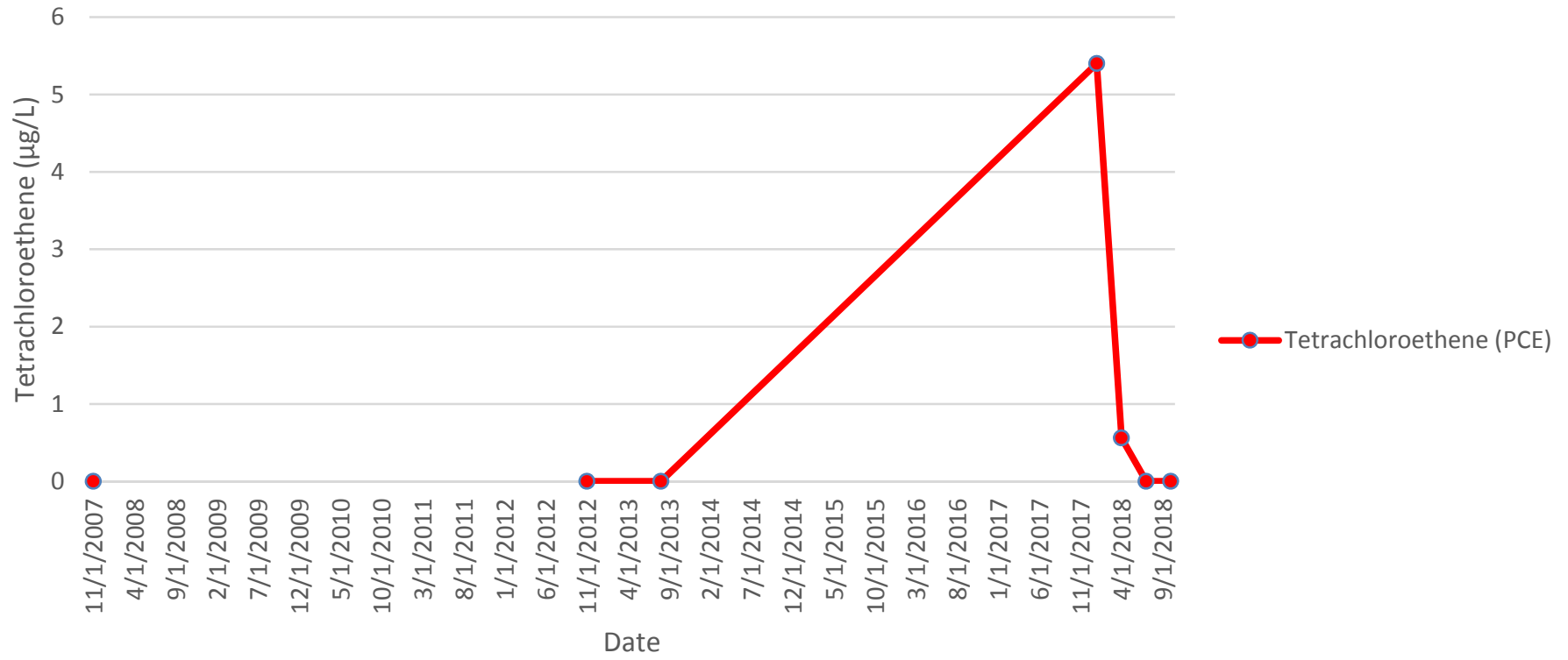
Date: 10-22-18

APPENDIX B

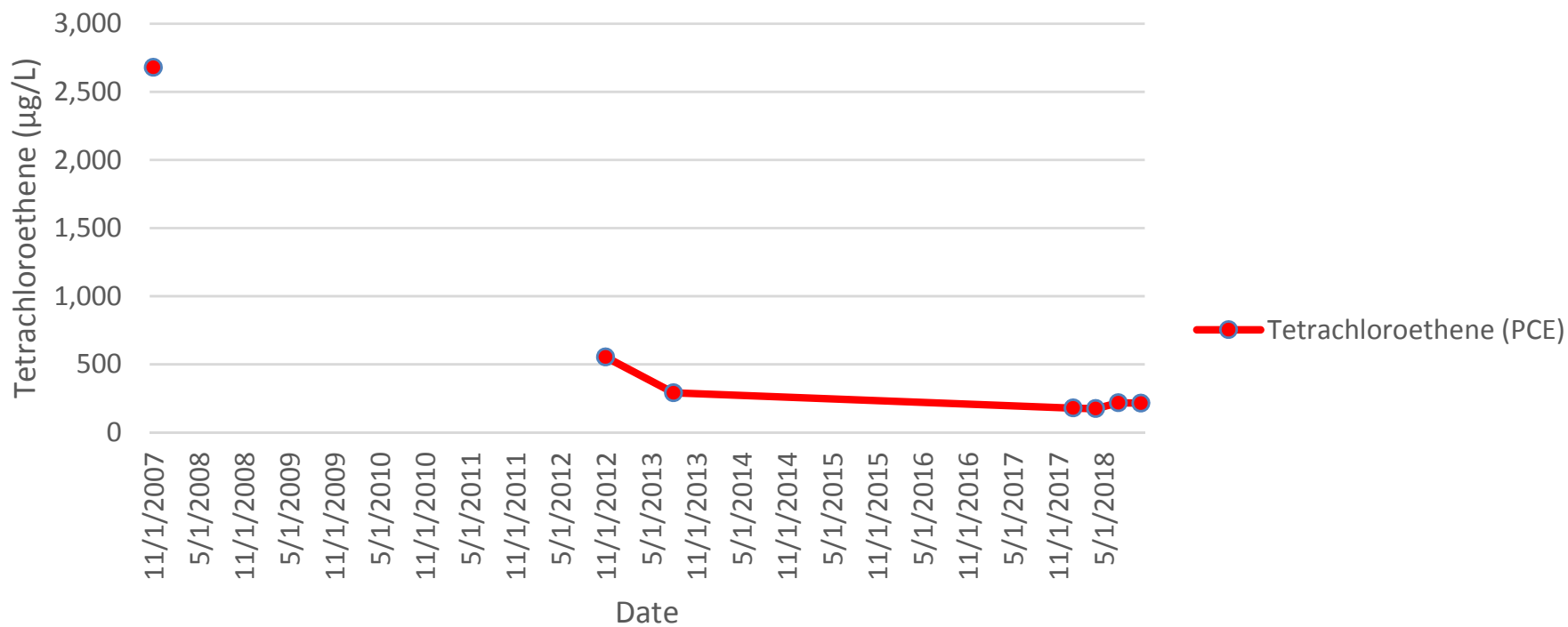
TIME VERSUS CONCENTRATION PLOTS



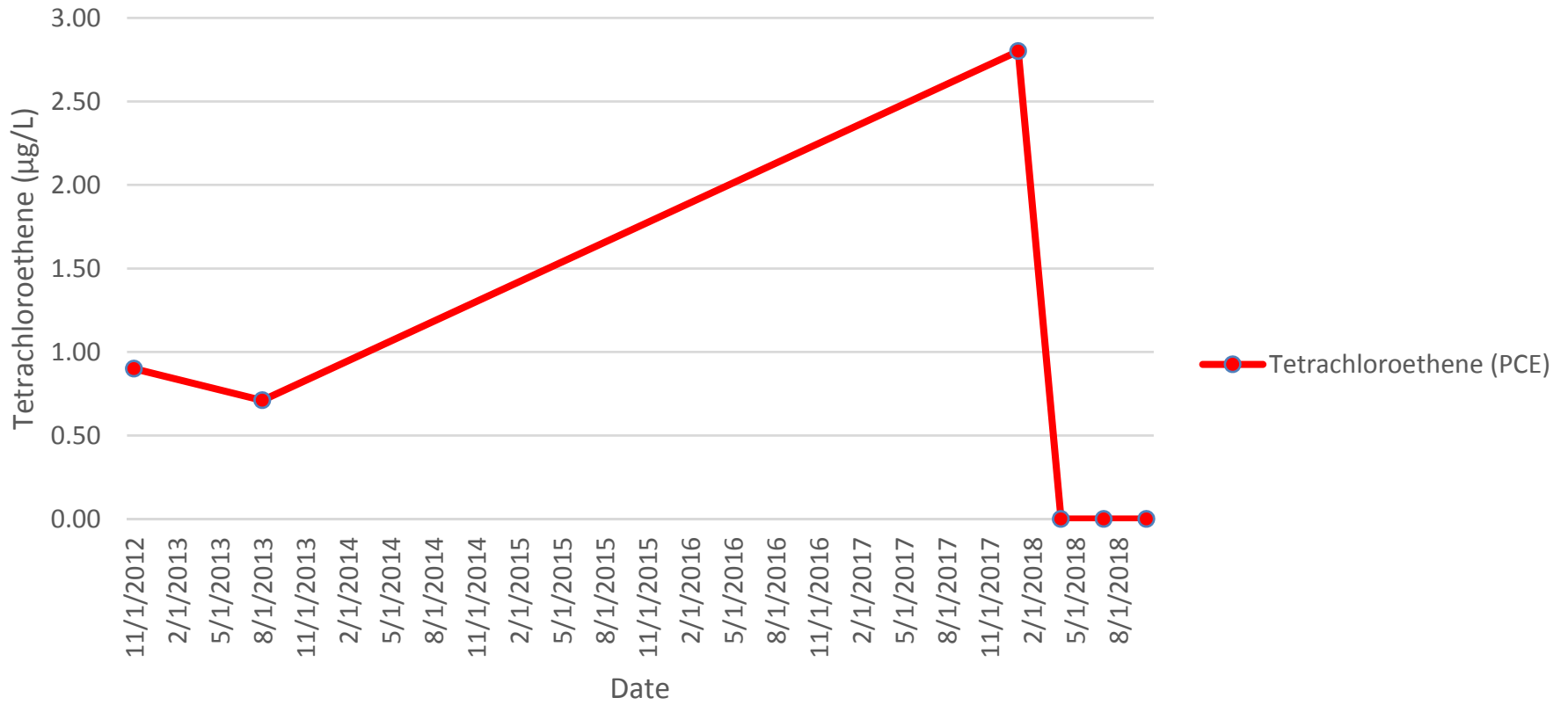
MW2 - Time v. Concentration Tetrachloroethene (PCE)



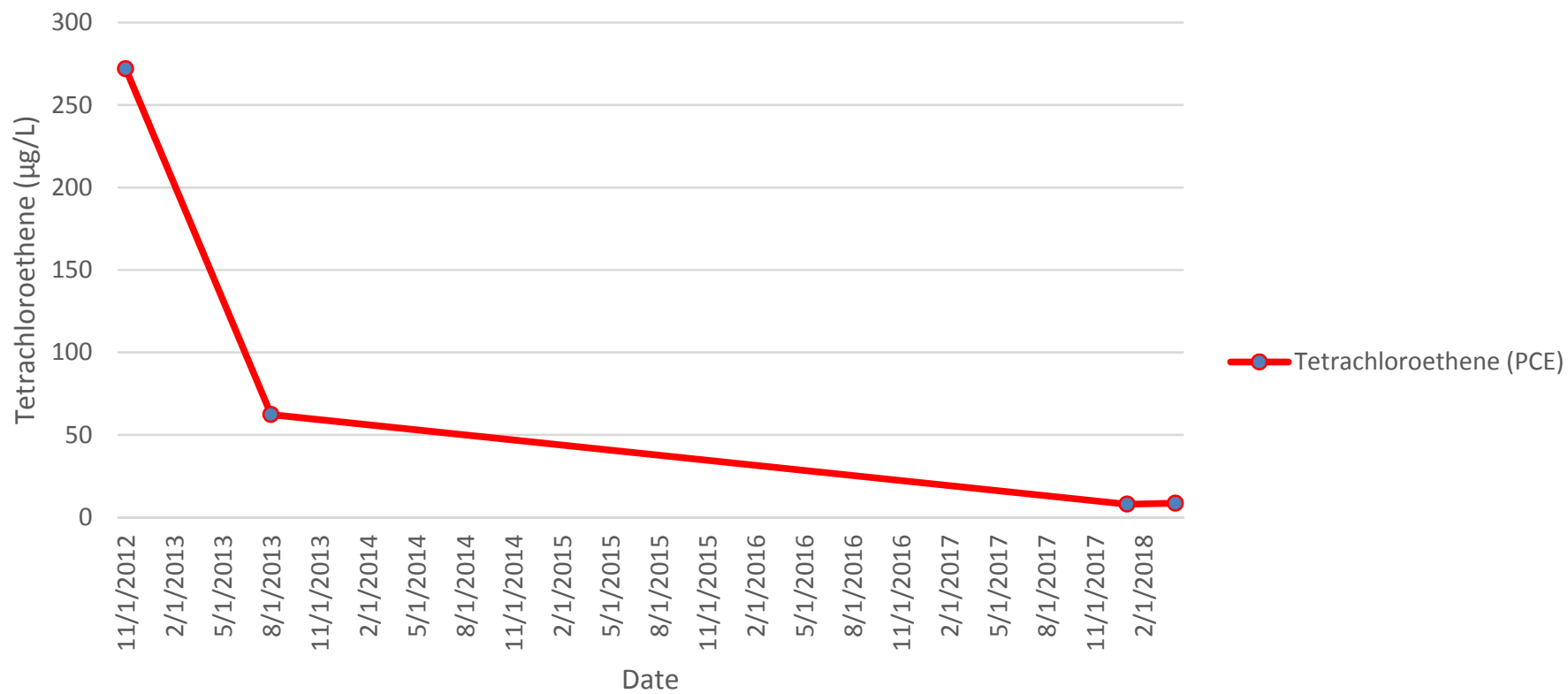
MW5 - Time v. Concentration Tetrachloroethene (PCE)



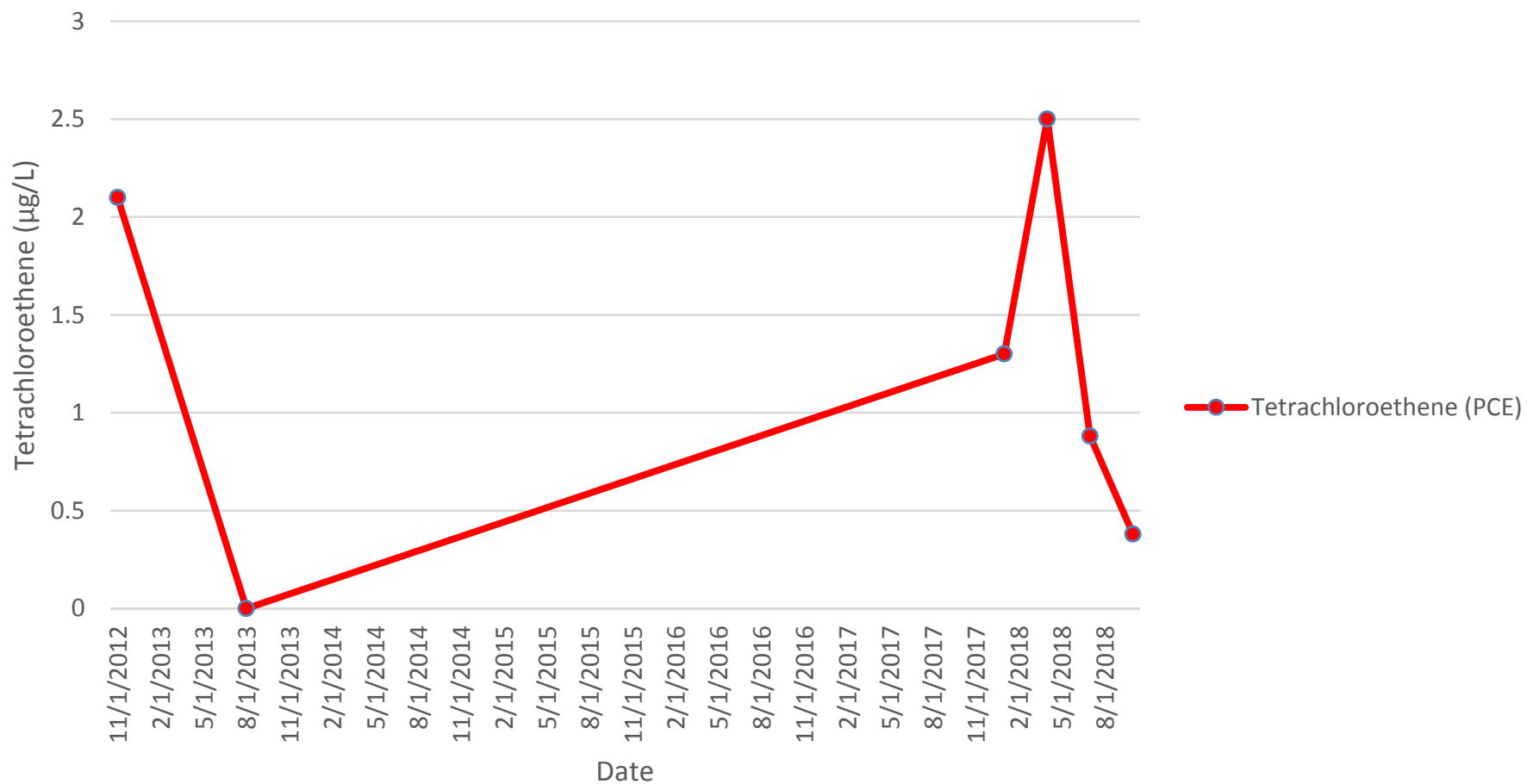
MWB-7 - Time v. Concentration Tetrachloroethene (PCE)



MW10 - Time v. Concentration Tetrachloroethene (PCE)



PZ2 - Time v. Concentration Tetrachloroethene (PCE)



APPENDIX C

MONITORING WELL ABANDONMENT FORMS



Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
		WOOD	POWER BANK
Common Well Name MW7R		Gov't Lot (if applicable)	Facility ID
			BRRTS#02-07522339
Grid Location		Street Address of Well	
1/4 of 1/4 of Sec. ; T. N; R. <input type="checkbox"/> E <input type="checkbox"/> W		735 S CENTRAL AVE	
ft. <input type="checkbox"/> N. <input type="checkbox"/> S., ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, Village, or Town	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		MESHFIELD WI	
Lat. " Long. " or		Present Well Owner	Original Owner
St. Plane ft. N. ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Summit DENNY	Power Bank
Reason For Abandonment	WI Unique Well No. of Replacement Well	Street Address or Route of Owner	
site closure		4607 Royal Drive	
		City, State, Zip Code	
		Eau Claire WI 54601	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date	If a Well Construction Report is available, please attach.	Pump & Piping Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Borehole / Drillhole		Liner(s) Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
Construction Type:		Screen Removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing Left in Place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Formation Type:		Was Casing Cut Off Below Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Total Well Depth (ft.) 20.00' Casing Diameter (in.) 2"		Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(From ground surface) Casing Depth (ft.)		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lower Drillhole Diameter (in.)		Required Method of Placing Sealing Material	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input checked="" type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
If Yes, To What Depth? Feet		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input type="checkbox"/> Other (Explain)	
Depth to Water (Feet) 13.50'		Sealing Materials	For monitoring wells and monitoring well boreholes only
		<input type="checkbox"/> Neat Cement Grout	<input checked="" type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite - Cement Grout
		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	<input type="checkbox"/> Bentonite - Sand Slurry
		<input type="checkbox"/> Bentonite-Sand Slurry " "	
		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
3/8" Hole Plug	Surface	20.00'	40 #3	

(6) Comments:

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
MARK SCHMITZ		11-28-17
Signature of Person Doing Work	Date Signed	
<i>Mark Schmitz</i>	12-22-2017	
Street or Route	Telephone Number	
N7349 548 ST	(715) 550 2604	
City, State, Zip Code		
MENDOTA WI 53151		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

(1) GENERAL INFORMATION		(2) FACILITY/OWNER INFORMATION	
WI Unique Well No.	DNR Well ID No.	County	Facility Name
		WOOD	Power Bank
Common Well Name <u>MW 10</u>		Gov't Lot (If applicable)	Facility ID
			License/Permit/Monitoring No.
			BRRS # 02-07-522339
Grid Location		Street Address of Well	
_____ 1/4 of _____ 1/4 of Sec. _____ ; T. _____ N; R. _____ <input type="checkbox"/> E <input type="checkbox"/> W		735 S Central Ave	
_____ ft. <input type="checkbox"/> N. <input type="checkbox"/> S., _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W.		City, Village, or Town	
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Marshfield WI	
Lat. _____ " Long _____ " or		Present Well Owner	Original Owner
St. Plane _____ ft. N. _____ ft. E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Summit Dental	Power Bank
Reason For Abandonment		Street Address or Route of Owner	
<u>Site redevelopment</u>		4607 Royal Drive	
WI Unique Well No. of Replacement Well _____		City, State, Zip Code	
		Gen. Closure WZ 5470L	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date	If a Well Construction Report is available, please attach.	Pump & Piping Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<u>10-17-2012</u>		Liner(s) Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input checked="" type="checkbox"/> Monitoring Well		Screen Removed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well		Casing Left in Place?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Borehole / Drillhole		Was Casing Cut Off Below Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Construction Type:		Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Drilled		Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Driven (Sandpoint)		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Other (Specify) _____		Required Method of Placing Sealing Material	
Formation Type:		<input checked="" type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain)
<input type="checkbox"/> Bedrock		Sealing Materials	For monitoring wells and monitoring well boreholes only
Total Well Depth (ft.) <u>1950'</u>	Casing Diameter (in.) <u>2"</u>	<input type="checkbox"/> Neat Cement Grout	<input checked="" type="checkbox"/> Bentonite Chips
(From ground surface)	Casing Depth (ft.) _____	<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Granular Bentonite
Lower Drillhole Diameter (in.) _____		<input type="checkbox"/> Concrete	<input type="checkbox"/> Bentonite - Cement Grout
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	<input type="checkbox"/> Bentonite - Sand Slurry
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Bentonite-Sand Slurry " "	
Depth to Water (Feet) <u>12.00'</u>		<input type="checkbox"/> Bentonite Chips	

(5) Material Used To Fill Well/Drillhole	From (Ft.)	To (Ft.)	No. Yards, Sacks Sealant or Volume (Circle One)	Mix Ratio or Mud Weight
<u>3/8" Hole Plug</u>	Surface	<u>19.50'</u>	<u>.39 ft³</u>	

(6) Comments: _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
<u>MARK SCHMITZ</u>		<u>6-2-18</u>
Signature of Person Doing Work	Date Signed	
<u>Mark Schmitz</u>	<u>8-8-18</u>	
Street or Route	Telephone Number	
<u>N7349 548 ST</u>	<u>(715) 550 2604</u>	
City, State, Zip Code		
<u>MENOMONIE WI 54751</u>		

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