



March 7, 2017

Wisconsin Department of Natural Resources

Attn: Mr. Tom Hvizdak

473 Griffith Avenue

Wisconsin Rapids, WI 54494



Subject:

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


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WI Dept of Natural Resources
MAR 08 2017
Wisconsin Rapids Service Center
Wisconsin Rapids, WI

Dear Mr. Hvizdak:

On behalf of Mr. Pat Schreiner, REI Engineering, Inc. (REI) hereby submits one copy of the above referenced report.

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.


David N. Larsen P.G.
Hydrogeologist/Project Manager

Enclosure (A/S)

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



RESPONSIVE. EFFICIENT. INNOVATIVE.

4080 N. 20th Avenue Wausau, WI 54401
715-675-9784 REIengineering.com

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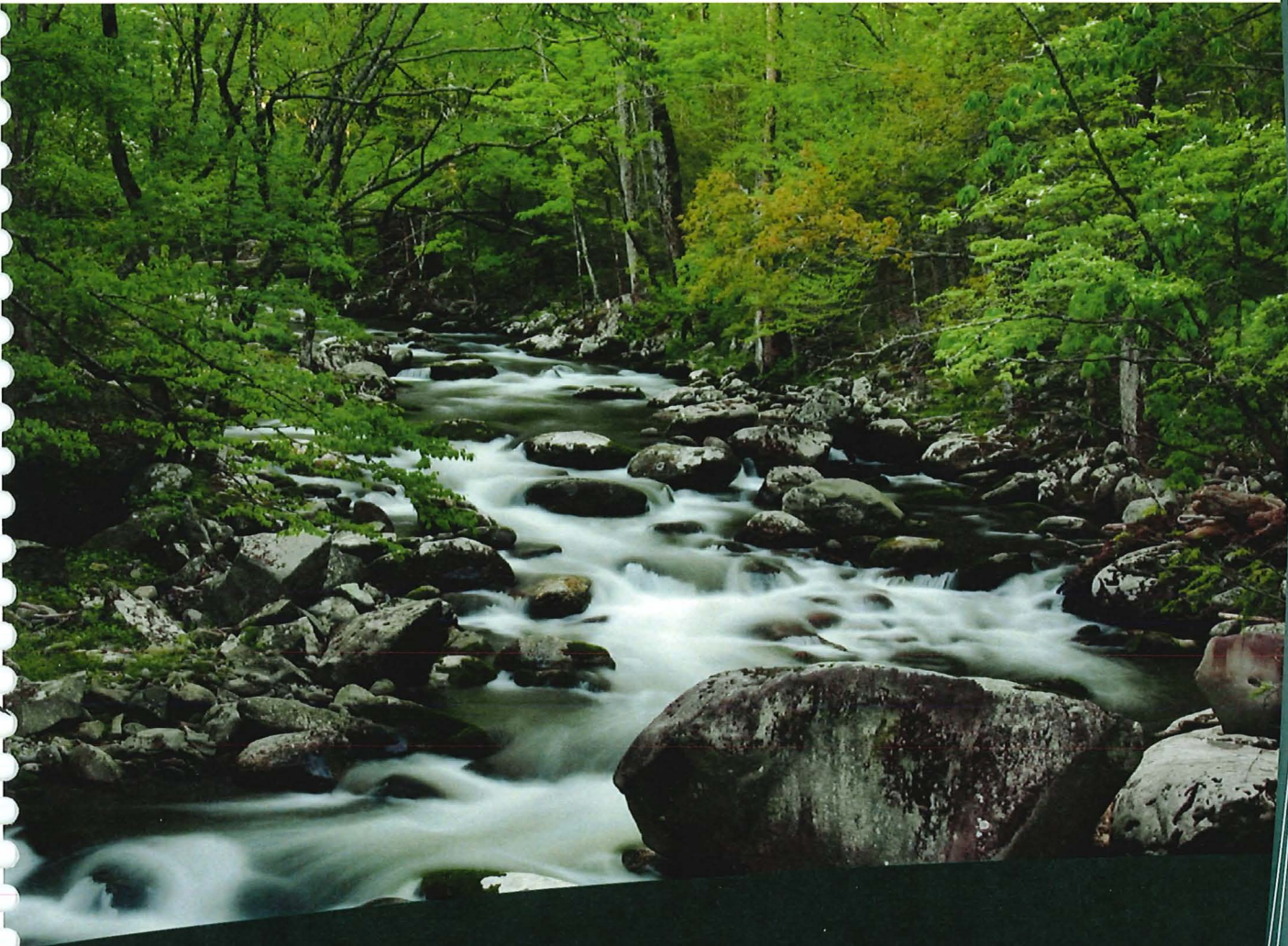
REI

**CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING**

**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

RECEIVED
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PREPARED FOR:

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

MARCH 2017

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 represent our professional opinions. These opinions 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. Other than this, no warranty is implied or warranted.

I, David N. Larsen, hereby certify that I am a registered Professional Geologist in the State of Wisconsin as defined in the Wisconsin Statutes Chapter 470.01. I am also a hydrogeologist as that term is defined in s. NR 712.03 (3), Wis. Adm. Code, and that, to the best of my knowledge, all of 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."



"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 of 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."


Brian J. Bailey


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). Figure 2 presents the site layout documented by the previous consultant (AECOM). This report presents the results of a limited scope of work. The approved scope of work included the installation of two (2) additional wells, sub-slab vapor sampling and two (2) rounds of groundwater sampling followed by a report.

2.0 SUMMARY OF ACTIVITIES

2.1 Geoprobe Soil Borings

REI personnel were on site on October 17, 2012 to advance six (6) Geoprobe soil borings. Geiss Soils & Samples, LLC., Merrill, WI was subcontracted to complete the drilling work. All six (6) borings were completed on the subject property. Figure 3 presents the locations of Geoprobe borings GP1 to GP6.

Each boring was advanced to a depth of twelve (12) feet below land surface. Soil Boring Logs and Borehole Abandonment Forms are included in Appendix A. Methods and procedures are presented in Appendix B. All soil cuttings from the six (6) Geoprobe borings were containerized in WDOT approved 55 gallon drums and transported to the Lincoln County Landfill biopile located in Merrill, Wisconsin for final disposal and treatment. Disposal documentation is included in Appendix C.

Continuous soil sampling was conducted during the advancement of the soil borings. A minimum of one (1) soil sample was collected from each boring and placed in laboratory prepared jars, preserved with methanol, packed on ice, and relinquished to a state certified laboratory where they were analyzed for VOC compounds.

The results of the soil samples were either non-detect or were less than the allowable thresholds established for both chlorinated and petroleum compounds. A summary of soil analytical results is presented in Table 1. The results of the soil sample results document exceedances GP2, GP3, and PZ2. The soil sampling laboratory results are included in Appendix D.

2.2 Monitoring Well Installation

On October 17, 2012, REI was on site to oversee the installation of monitoring well MW10 and piezometer PZ2. Midwest Engineering Services, Inc., Chippewa Falls, WI was subcontracted to complete the installation of the well. Well installation was completed using a truck mounted rig equipped with hollow stem drilling capabilities. Figure 3 presents the locations of MW10 and PZ2.

Soil Boring Logs (WDNR Form 4400-122) are included in Appendix A, Monitoring Well Construction Form (WDNR Form 4400-133A) and Monitoring Well Development Form (WDNR Form 4400-133B) are included in Appendix E. Methods and procedures are presented in Appendix B. Soil cuttings were disposed of at the Lincoln County Landfill in Merrill, WI and disposal documentation is included in Appendix C.

2.3 Monitoring Well Identification and Location

Immediately prior to REI conducting field work, the WDOT was reconstructing Business Highway 13 (South Central Avenue). During the October 17, 2012 site reconnaissance monitoring wells MW1 and MW9 were not located and were assumed lost to construction activities and MW7 was identified in the area of the proposed sidewalk. When REI returned on November 7, 2012 the sidewalk was installed and monitoring well MW7 was not able to be located and was assumed lost

to construction activities. A replacement well (MW7R) was installed on May 22, 2013. Midwest Engineering Services, Inc., Chippewa Falls, WI was subcontracted to complete the installation of the well. Well installation was completed using a truck mounted rig equipped with hollow stem drilling capabilities. Figure 3 presents the location of replacement well MW7R.

Soil Boring Logs (WDNR Form 4400-122) are included in Appendix A, Monitoring Well Construction Form (WDNR Form 4400-133A) and Monitoring Well Development Form (WDNR Form 4400-133B) are included in Appendix E. Methods and procedures are presented in Appendix B. Soil cuttings were disposed of at the Lincoln County Landfill in Merrill, WI and disposal documentation is included in Appendix C.

Additionally, monitoring well MW1 was not located, but another well, later identified as temporary well B-7 was observed and sampled. For the purposes of this report, REI had initially identified well B-7 as MW1.

2.4 Monitoring Well Sampling Results

REI personnel were on site to sample the wells on November 7, 2012 and August 12, 2013. The new wells were surveyed into the existing well network. During the 2013 groundwater sampling events, it was noted that frost action had possibly impacted the well elevations. Depth to water was measured on all wells and is presented in Table 2. An excess of four (4) well volumes was removed from each well prior to sampling by REI personnel. 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 VOC compounds. Copies of the analytical chemistry reports are presented in Appendix D.

The results of the two (2) REI groundwater sampling events and the historical groundwater sampling events are summarized in Tables 3a-l. Groundwater sample results document residual groundwater contamination in concentrations exceeding

the NR 140.10 Groundwater Quality Enforcement Standards (ES) at sample locations MW4, MW5 and MW10.

Figure 4 presents a groundwater contour map from the data collected on August 12, 2013. Groundwater is depicted flowing from the southwest to the northeast and contradicts the presence of the chlorinated impacts at MW10. The groundwater flow direction may be the result of frost action adjusting the measured top of casing elevations. REI recommends a resurvey of all wells to verify groundwater flow directions.

2.5 Sub-Slab Vapor Probe Installation and Sampling

A single sub-slab vapor point was installed through the slab on grade concrete floor of the building on August 12, 2013. Sample location is depicted in Figure 3.

2.6 Sub-Slab Vapor Probe Installation

REI used a rotary hammer drill with a 3/8" bit to drill through the concrete slab and a 3/4" bit to a depth of approximately 2" to set the probe. REI removed the concrete cuttings from the outer and inner holes with a small portable vacuum cleaner followed by a towel moistened with distilled water. REI placed the sub-slab soil vapor probe in the hole so that the top of the probe is flush with the top of the floor. REI placed concrete grout into the annular space between the probe and the outer hole. The cement was allowed to dry prior to sampling.

2.7 Sub-Slab Vapor Probe Purging and Leak Detection

REI completed leak testing prior to sample collection. A tracer gas (helium) shroud was placed over the sub-slab vapor sample location prior to sampling to ensure that ambient air was not being pulled into the canister during sampling. This was accomplished by placing a clean, small plastic shroud over each probe location. Prior to purging or sampling activities, helium tracer gas was released via a small diameter tube, placed through the side of the shroud, into the open space beneath the shroud. The sub-slab vapor tube, fitted with an air-tight valve, extended up into the open space beneath the shroud. The valve was then connected to the sampling tube and canister (both outside of the shroud). A sample of the air inside the shroud

was measured through a second port using a field meter calibrated to detect helium to determine the concentration of helium within the enclosure beneath the shroud.

REI purged one to two liters of sub-slab soil vapor from the probe assembly prior to sampling the sub slab vapor. Quality control leak detection included a combination of both vacuum testing and introduction of helium as a tracer to ensure the collected sub-slab vapor sample was representative of the sub-slab soil gas. The sample was collected using 6-Liter Summa™ canister and a helium shroud. Four (4) volumes of air were removed from the tubing and the purge air monitored for the presence of helium using an electronic helium detector. Once the line was purged, and the helium detector documented the seal was adequate, the Summa Canister was connected to the sample line and allowed to fill through the flow restrictor. During sample collection, REI checked each Summa Canister periodically to ensure that the canister vacuum had not reached zero.

Sub-slab sampling points were installed to collect soil gas immediately below the slab. Sub-slab gas samples were collected using a 6-Liter Summa™ canister fitted with a flow orifice pre-calibrated to collect a 6-Liter sample over a 30-minute period. Once the 30-minute sampling period was completed, the canister was boxed and shipped to the laboratory for analysis. Following the removal of the 6-Liter Summa™ canister from the sub slab vapor collection sampling train.

2.8 Sub-Slab Vapor Probe Analytical Results

The single sub slab vapor sample was submitted to Pace Analytical, Minneapolis, Minnesota, for TO-15 analysis. The vapor analytical results and field screening data are summarized in Table 4. The complete laboratory analytical reports are included as Appendix F. Analytical results along with the field screening data document that there are no elevated petroleum concentrations present beneath the concrete slab.

3.0 CONCLUSION

The presence of petroleum contaminated groundwater in combination with the chlorinated impacted groundwater should result in dichlorination of the tetrachloroethene. Based on the groundwater analytical data, the dichlorination

process appears to have begun. Additional groundwater sampling will document the extent of the dichlorination process.

The vapor intrusion pathway should be adequately addressed and does not appear to be a concern. The entire parcel is either covered by the existing structure or asphalt.

REI recommends a resurvey of all wells to verify groundwater flow directions. If groundwater flow directions are to the north/northeast a replacement well for MW9 and possible MW1 should be installed. The source of the impacts in MW10 should also be investigated further. Additional wells may be necessary to define the extent of the impacts near MW10, unless another source is identified. REI also recommends a minimum of four (4) additional quarterly groundwater sampling events be completed. Groundwater samples should be collected using low-flow sampling methodologies.

Table 1
Summary of Soil Analytical Results
Soil Samples
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Sample-->			GP1	GP2		GP3		GP4		GP5		GP6		MW10		PZ2	
Date-->			10/17/2012	10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012		10/17/2012	
Sample Depth--(Feet)>			9-10	2-4	9-10	7-8	10-11	4-6	9-10	2-4	10-11	2-4	10-11	5-7	10-12	5-7	10-12
Percent Solids-->			15.40%	6.10%	13.90%	18.50%	14.70%	17.60%	14.90%	17.70%	15.00%	14.90%	15.50%	17.10%	14.50%	18.30%	15.20%
VOC Parameters	NTEDC	GW															
Tetrachloroethene	320,700	4.5	ug/kg	< 25	< 25	246	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
Trichloroethene	1,260	3.6	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
1,2-Dichloroethane	608	2.8	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
cis-1,2-Dichloroethane	156,000	41.2	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
trans-1,2-Dichloroethane	1,560,000	62.6	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
Vinyl Chloride	67	0.1	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
Benzene	1,490	5.1	ug/kg	< 25	< 25	< 30.1	176*	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
Ethylbenzene	7,470	1,570	ug/kg	< 25	< 25	< 30.1	1,730	2,030	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	652
Methyl t-Butyl Ether	59,400	270	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	< 25
Toluene	818,000	1,107.20	ug/kg	< 25	< 25	< 30.1	< 70.2	< 54.3	< 30.5	< 28.4	43.9*	< 25	< 28.4	< 25	< 29.4	< 30.1	43.9*
1,2,4-Trimethylbenzene	89,800	1,382.1	ug/kg	< 25	< 25	< 30.1	6,430	9,390	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	4,000
1,3,5-Trimethylbenzene	182,000	Combined	ug/kg	< 25	< 25	< 30.1	4,750	5,660	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	1,620
Xylenes (Total)	258,000	3,960	ug/kg	< 50	< 50	< 60.2	1,276	3,620	< 61	< 56.8	< 50	< 50	< 56.8	< 50	< 58.8	< 60.2	2,443
Naphthalene	5,150	658.2	ug/kg	< 25	< 25	< 30.1	356	3,960	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	599
sec-Butylbenzene	145,000	NS	ug/kg	< 25	< 25	< 30.1	385	524	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	168
n-Propylbenzene	264,000	NS	ug/kg	< 25	< 25	< 30.1	1,520	2,820	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	595
Isopropylbenzene	268,000	NS	ug/kg	< 25	< 25	< 30.1	467	856	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	166
p-Isopropyltoluene	162,000	NS	ug/kg	< 25	< 25	< 30.1	600	687	< 30.5	< 28.4	< 25	< 25	< 28.4	< 25	< 29.4	< 30.1	208

Notes:

NTEDC - Not To Exceed Direct Contact Residual Contaminant Level (RCL)

GW - RCL Protective of Groundwater Quality

< - Concentration below listed laboratory detection limit

GW - RCL exceedence

Bold
Bold

NTEDC RCL exceedence

NS - No Standard

* = Estimated Value between detection limit and quantification limit

Table 2
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	MW8	MW9	MW10	PZ1	PZ2
7-Nov-12	12.32	12.54	13.57	10.40	12.74	12.03	Lost		8.54	Lost	17.99	15.28	16.66
12-Aug-13	10.55	10.98	11.98	8.31	11.36	11.08	to	3.77	7.26	to	11.73	14.61	15.97
							Construction			Construction			

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		1,252.14	1,251.79	1,251.54	1,254.19	1,252.28	1,253.36
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Depth to Water (feet) below Ground Surface

Average	11.43	11.76	12.78	9.36	12.05	11.56		3.77	7.90	#DIV/0!	14.86	14.95	16.32
Maximum	10.549	10.98	11.98	8.31	11.36	11.08		3.77	7.26	0	11.73	14.61	15.97
Minimum	12.32	12.54	13.57	10.4	12.74	12.03		3.77	8.54	0	17.99	15.28	16.66
Range	1.771	1.56	1.59	2.09	1.38	0.95		0	1.28	0	6.26	0.67	0.69

Water Level Elevation (feet MSL)

Date	MW1/MWX	MW2	MW3	MW4	MW5	MW6	MW7	MW7R	MW8	MW9	MW10	PZ1	PZ2
7-Nov-12	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
12-Aug-13	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

Table 3a
Summary of Groundwater Analytical Results
MWB-7
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

			Date ->	11/7/2012	8/12/2013
VOC Parameters	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	<i>0.90*</i>	<i>0.71*</i>
Trichloroethene	5	0.5	µg/l	<i>1.4</i>	<i>0.74*</i>
1,2-Dichloroethane	5	0.5	µg/l	<i>1.0</i>	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3b
Summary of Groundwater Analytical Results
MW2
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 0.45	< 0.47
Trichloroethene	5	0.5	µg/l	< 0.48	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.45	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	0.91*
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3c
Summary of Groundwater Analytical Results
MW3
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 0.45	< 0.47
Trichloroethene	5	0.5	µg/l	< 0.48	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.75	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3d
Summary of Groundwater Analytical Results
MW4
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Detected VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 1.8	< 4.7
Trichloroethene	5	0.5	µg/l	< 1.9	< 4.3
1,2-Dichloroethane	5	0.5	µg/l	< 1.4	< 4.8
cis-1,2-Dichloroethane	70	7	µg/l	< 3.3	< 4.2
trans-1,2-Dichloroethane	100	20	µg/l	< 3.6	< 3.7
Vinyl Chloride	0.2	0.02	µg/l	< 0.72	< 1.8
Benzene	5	0.5	µg/l	43.9	127
Toluene	800	160	µg/l	209	1,020
Ethylbenzene	700	140	µg/l	521	960
Xylenes (mixed isomers)	2,000	400	µg/l	942	2,421
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 2.4	< 4.9
Trimethylbenzenes (mixed isomers)	480	96	µg/l	236	671
Naphthalene	100	10	µg/l	205	391
sec-Butylbenzene			µg/l	6.3*	10.0*
n-Propylbenzene			µg/l	49.3	97.2
Isopropylbenzene			µg/l	38.3	78
p-Isopropyltoluene			µg/l	15.3	19.6

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

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

Table 3e
Summary of Groundwater Analytical Results
MW5
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Detected VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	553	291
Trichloroethene	5	0.5	µg/l	605	388
1,2-Dichloroethane	5	0.5	µg/l	< 9.0	< 9.5
cis-1,2-Dichloroethane	70	7	µg/l	2,340	1,550
trans-1,2-Dichloroethane	100	20	µg/l	32	31.9
Vinyl Chloride	0.2	0.02	µg/l	< 4.5	< 3.7
Benzene	5	0.5	µg/l	32.1	20.9
Toluene	800	160	µg/l	< 16.8	< 8.8
Ethylbenzene	700	140	µg/l	< 13.5	< 10.0
Xylenes (mixed isomers)	2,000	400	µg/l	< 45	< 16.3
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 15.2	< 9.9
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 24.2	< 50
Naphthalene	100	10	µg/l	< 22.2	< 50
sec-Butylbenzene			µg/l	< 22.2	< 12.1
n-Propylbenzene			µg/l	< 20.2	< 10.0
Isopropylbenzene			µg/l	< 14.8	< 6.8
p-Isopropyltoluene			µg/l	< 16.8	< 7.9

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

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

Table 3f
Summary of Groundwater Analytical Results
MW6
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

			Date ->	11/7/2012	8/12/2013
VOC Parameters	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 0.45	< 0.47
Trichloroethene	5	0.5	µg/l	< 0.48	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.75	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3g
Summary of Groundwater Analytical Results
MW7/MW7R
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

VOC Parameters	ES	PAL	Unit	Date ->	MW7	MW7R
				11/7/2012	8/12/2013	
Tetrachloroethene	5	0.5	µg/l	Well		< 0.47
Trichloroethene	5	0.5	µg/l	Lost		< 0.43
1,2-Dichloroethane	5	0.5	µg/l	to		< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	Road		< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	Construction		< 0.37
Vinyl Chloride	0.2	0.02	µg/l			< 0.18
Benzene	5	0.5	µg/l			< 0.50
Toluene	800	160	µg/l			< 0.44
Ethylbenzene	700	140	µg/l			< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l			< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l			< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l			< 2.5
Naphthalene	100	10	µg/l			< 2.5
sec-Butylbenzene			µg/l			< 0.60
n-Propylbenzene			µg/l			< 0.50
Isopropylbenzene			µg/l			< 0.34
p-Isopropyltoluene			µg/l			< 0.40

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

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

Table 3h
Summary of Groundwater Analytical Results
MW8
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 0.45	< 0.47
Trichloroethene	5	0.5	µg/l	< 0.48	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.75	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3i
Summary of Groundwater Analytical Results
MW9
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

			Date ->	11/7/2012
VOC Parameters	ES	PAL	Unit	
Tetrachloroethene	5	0.5	µg/l	Well
Trichloroethene	5	0.5	µg/l	Lost
1,2-Dichloroethane	5	0.5	µg/l	to
cis-1,2-Dichloroethane	70	7	µg/l	Road
trans-1,2-Dichloroethane	100	20	µg/l	Construction
Vinyl Chloride	0.2	0.02	µg/l	
Benzene	5	0.5	µg/l	
Toluene	800	160	µg/l	
Ethylbenzene	700	140	µg/l	
Xylenes (mixed isomers)	2,000	400	µg/l	
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	
Trimethylbenzenes (mixed isomers)	480	96	µg/l	
Naphthalene	100	10	µg/l	
sec-Butylbenzene			µg/l	
n-Propylbenzene			µg/l	
Isopropylbenzene			µg/l	
p-Isopropyltoluene			µg/l	

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

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

Table 3j
Summary of Groundwater Analytical Results
MW10
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

			Date ->	11/7/2012	8/12/2013
VOC Parameters	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	272	62.3
Trichloroethene	5	0.5	µg/l	27.7	13.2
1,2-Dichloroethane	5	0.5	µg/l	< 0.36	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	16.3	4.8
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 3k
Summary of Groundwater Analytical Results
PZ1
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

VOC Parameters			Date ->	11/7/2012	8/12/2013
	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	< 0.45	< 0.47
Trichloroethene	5	0.5	µg/l	< 0.48	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.36	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 31
Summary of Groundwater Analytical Results
PZ2
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

			Date ->	11/7/2012	8/12/2013
VOC Parameters	ES	PAL	Unit		
Tetrachloroethene	5	0.5	µg/l	2.1	< 0.47
Trichloroethene	5	0.5	µg/l	0.93*	< 0.43
1,2-Dichloroethane	5	0.5	µg/l	< 0.36	< 0.48
cis-1,2-Dichloroethane	70	7	µg/l	< 0.83	< 0.42
trans-1,2-Dichloroethane	100	20	µg/l	< 0.89	< 0.37
Vinyl Chloride	0.2	0.02	µg/l	< 0.18	< 0.18
Benzene	5	0.5	µg/l	< 0.41	< 0.50
Toluene	800	160	µg/l	< 0.67	< 0.44
Ethylbenzene	700	140	µg/l	< 0.54	< 0.50
Xylenes (mixed isomers)	2,000	400	µg/l	< 1.8	< 0.82
Methyl tert-Butyl Ether (MTBE)	60	12	µg/l	< 0.61	< 0.49
Trimethylbenzenes (mixed isomers)	480	96	µg/l	< 0.97	< 2.5
Naphthalene	100	10	µg/l	< 0.89	< 2.5
sec-Butylbenzene			µg/l	< 0.89	< 0.60
n-Propylbenzene			µg/l	< 0.81	< 0.50
Isopropylbenzene			µg/l	< 0.59	< 0.34
p-Isopropyltoluene			µg/l	< 0.67	< 0.40

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

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

Table 4
Sub Slab Vapor Analytical Results
Pioneer Bank / Former Judges Cleaners
Marshfield, Wisconsin

Small Commercial Building (Attenuation Factor 0.03)		Date	8/12/2013
Chemical ($\mu\text{g}/\text{m}^3$)	SS-VRSL	Location	VP-1
Acetone			274
Benzene	530		12.6
2-Butanone (MEK)			55.4
Carbon Disulfide			6.3
Cyclohexane			9.5
Dichlorodifluoromethane	15,000		2.3
Ethylbenzene	1,600		12.2
4-Ethyltoluene			6.2
n-Heptane			13.4
n-Hexane			26.4
2-Hexanone			6.5
Methylene Chloride	87,000		3.5
Propylene			16.9
Tetrachloroethene	6,000		79.6
Toluene	730,000		148
Trichloroethene	290		7.4
Trichlorofluoromethane			137
1,2,4-Trimethylbenzene	1,000		19
1,3,5-Trimethylbenzene			5.3
Vinyl Chloride	930		< 0.53
m&p-Xylene			47
o-Xylene			15.1
Xylene (Total)	15,000		62.1

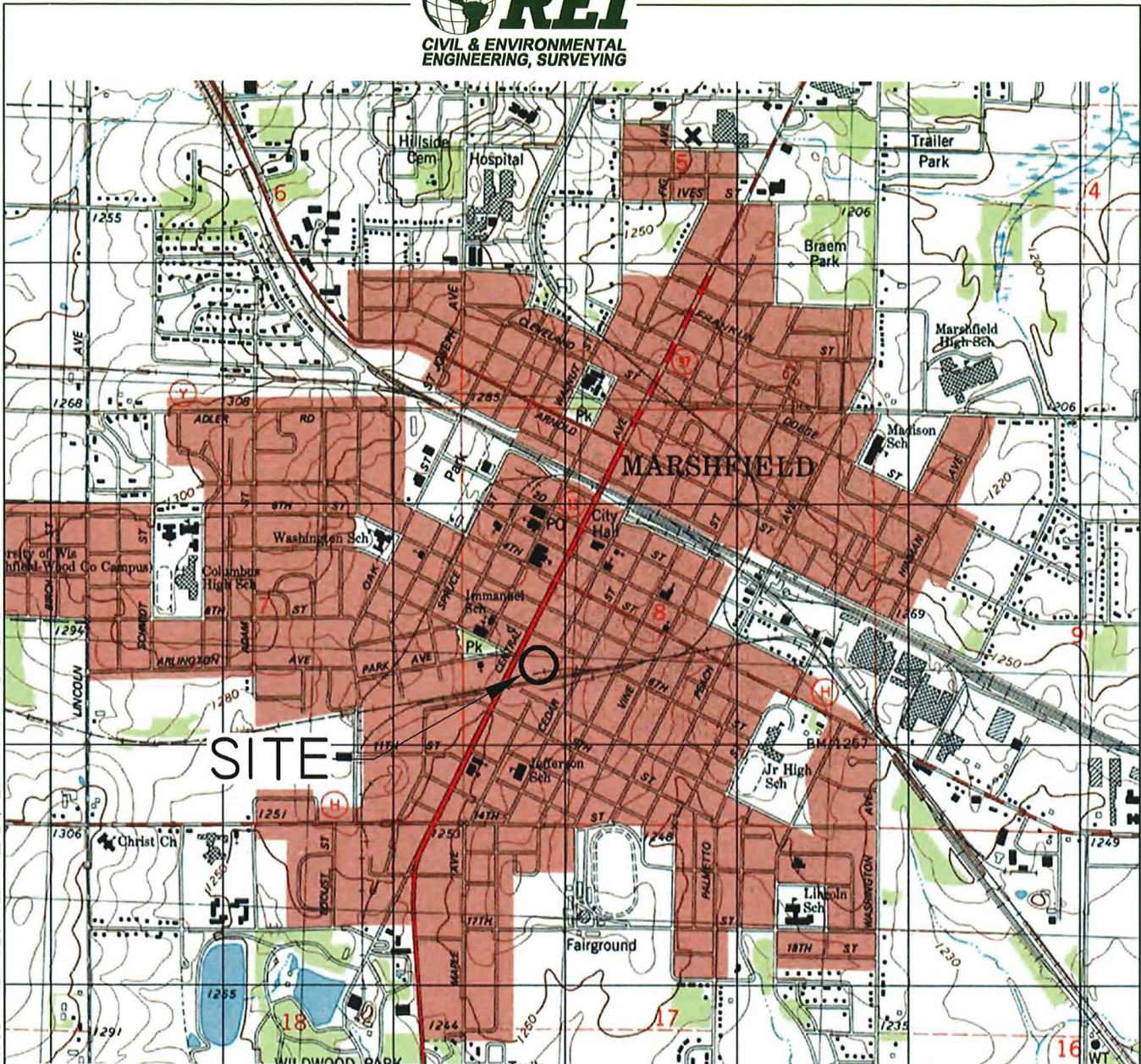
Notes:

Sub-Slab Vapor Risk Screening Levels Based on December 2015 National Screening Level Summary Table

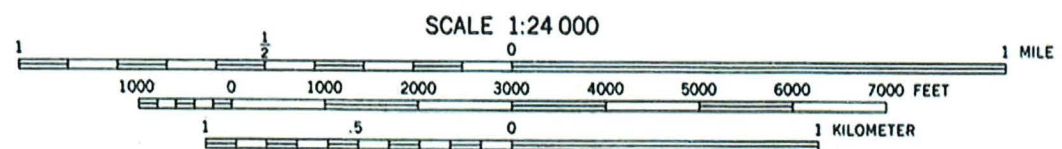
Bold Exceeds Sub-Slab Vapor Risk Screening Level

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

DRAWING FILE: P:\5400-5499\5403-PIONEER BANK.DWG\5403-VICN.DWG LAYOUT: VICN PLOTTED: FEB 24, 2017 - 9:15AM PLOTTED BY: TODDW



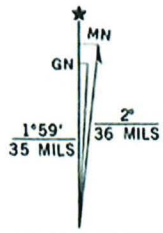
SITE



CONTOUR INTERVAL 10 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929



QUADRANGLE LOCATION



UTM GRID AND 1979 MAGNETIC NORTH
 DECLINATION AT CENTER OF SHEET

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

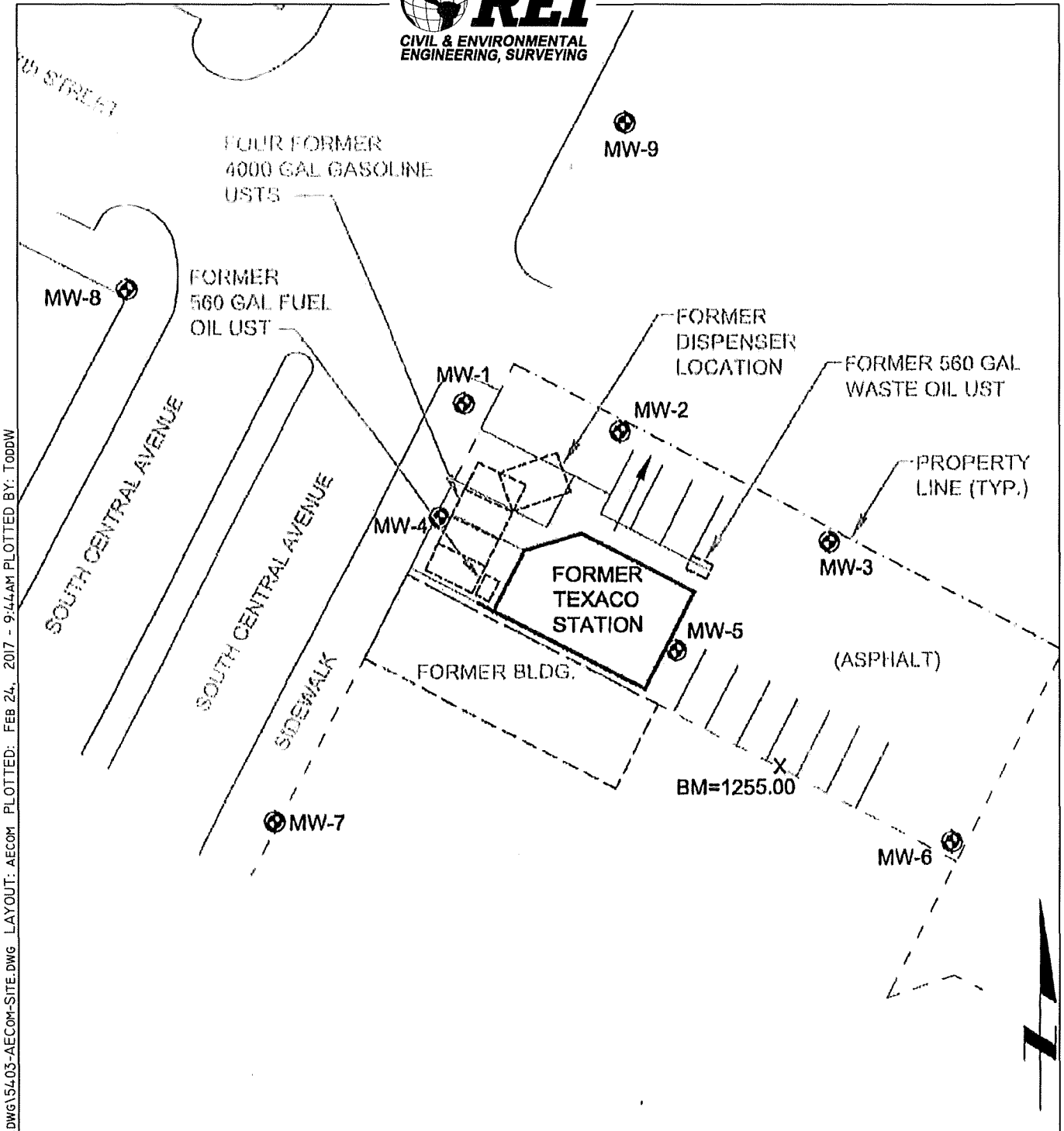
1979

REI Engineering, INC.


PIONEER BANK
 701 SOUTH CENTRAL AVENUE
 MARSHFIELD, WISCONSIN

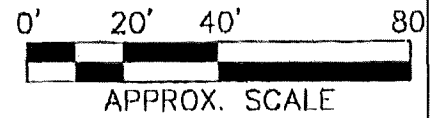
FIGURE 1 : SITE VICINITY MAP

PROJECT NO.	5403	DRAWN BY:	TAW	DATE:	2/24/2017
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LEGEND

- MW-1  MONITORING WELL LOCATION
- - - - - APPROXIMATE PROPERTY LINE
- BM=1255.00 BENCHMARK



REI Engineering, INC.

DRAWING FILE: P:\5400-5499-5403-PIIONEER BANK\DWG\5403-AECOM-SITE.DWG LAYOUT: AECOM PLOTTED: FEB 24, 2017 - 9:44AM PLOTTED BY: TODDW

PIONEER BANK 701 SOUTH CENTRAL AVENUE MARSHFIELD, WISCONSIN		FIGURE 2 : SITE MAP (AECOM)	
PROJECT NO.	5403	DRAWN BY:	DATE:
		TAW	2/24/2017



DRAWING FILE: P:\5400-5499\5403-PIONEER BANK\DWG\5403-SITE.DWG LAYOUT: SITE PLOTTED: MAR 06, 2017 - 10:09AM PLOTTED BY: ALANG

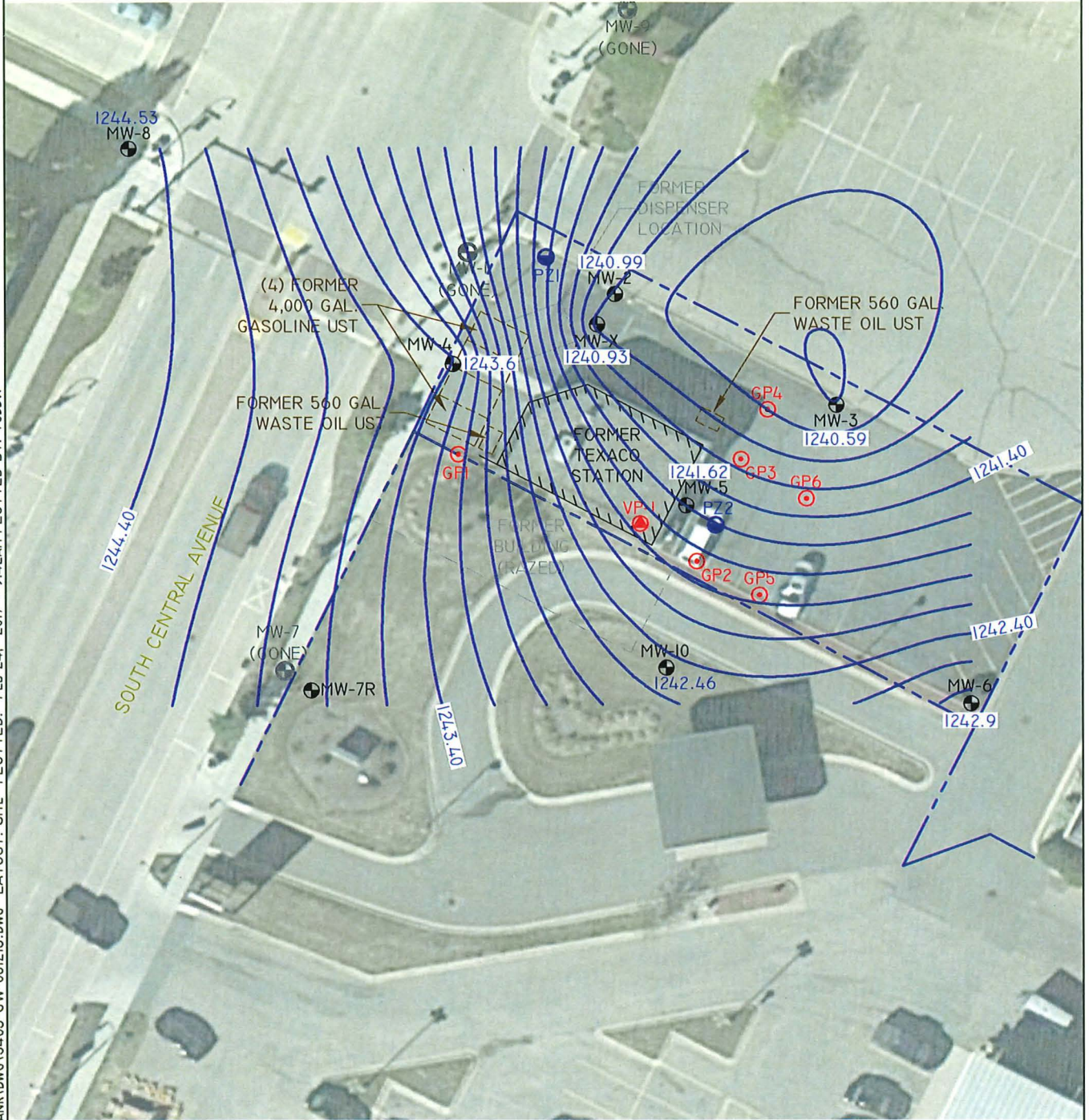
LEGEND	
 SCALE: 1" = 40'	
	PIEZOMETER
	MONITORING WELL
	MONITORING WELL (GONE)
	GEOPROBE SOIL BORING
	SUB-SLAB VAPOR SAMPLE
	APPROXIMATE PROPERTY LINE



PIONEER BANK
 701 SOUTH CENTRAL AVENUE
 MARSHFIELD, WISCONSIN

FIGURE 3 : SITE MAP

PROJECT NO.	5403	DRAWN BY:	AJG	DATE:	3/6/2017
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DRAWING FILE: P:\54.00-54.99\PIONEER BANK\DWG\54.03-GW-081213.DWG LAYOUT: SITE PLOTTED: FEB 24, 2017 - 9:42AM PLOTTED BY: TODDW

LEGEND

0 40
 SCALE: 1" = 40'

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

PIONEER BANK
 701 SOUTH CENTRAL AVENUE
 MARSHFIELD, WISCONSIN

FIGURE 4 : GROUNDWATER CONTOUR MAP (8/12/2013)

PROJECT NO.	DRAWN BY:	DATE:
5403	TAW	2/24/2017

REI Engineering, INC.


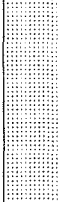
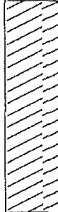
APPENDIX A

SOIL BORING LOGS AND BOREHOLE ABANDONMENT FORMS

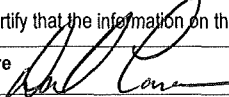


Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-1	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. 2.1
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample		Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
Number	Type								Length Att. & Recovered (in)	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	
1		24"	1	TOPSOIL Grass and topsoil										
			2	SAND Sand (F-M)				0.3 ppm						
2		16"	4					0.4 ppm						
			5											
			6											
			7											
			8	-WET @ 8' BLS										
3		48"	9	CLAY Native clay with debris				0.7 ppm						
			10											
			11	WET @ 11' BLS										
			12	EOB End of boring @ 12' BLS										
			13											
			14											
			15											

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature 	Firm REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI
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Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-2	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. 2
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample		Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					ROD/ Comments
Number	Type Length Att. & Recovered (in)							Blow Counts	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	
1	24"		1 ASPHALT Asphalt										
			2 GRANITE Rotten granite base material										
2	48"		4 CLAY Sandy clay till										
			5										
			6										
3	48"		8 CLAY Wet clay										
			10 CLAY Moist tight clay										
			11 CLAY Clay with trace sand layer @ 10.75' BLS										
			12 EOB End of boring @ 12' BLS										

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature	Firm REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI
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Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-3	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. -3
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1		18"		1	ASPHALT Asphalt				0.6 ppm						
				2	GRANITE Rotten granite base material										
2		24"		4	CLAY Saturated clay				24.1 ppm						
				5	CLAY Dry native clay										
				7	CLAY Grey clay with organic odor										
3		24"		8	CLAY Brown clay				87.5 ppm						
				9	CLAY Red/brown sandy clay with odor										
				10	Dry @ 10' BLS										
				12	EOB End of boring @ 12' BLS				67.5 ppm						





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Signature Firm REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

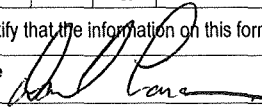
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Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-4	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. -4
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1		36"		1	ASPHALT Asphalt and fill material				0.6 ppm						
				2	CLAY Sandy red clay				0.7 ppm						
				3											
2		28"		4	CLAY Mottled orange/brown clay				0.5 ppm						
				5											
3				6					0.6 ppm						
				7											
				8											
				9											
				10					0.9 ppm						
				11											
				12	EOB End of boring @ 12' BLS										
				13											
				14											
				15											


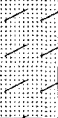


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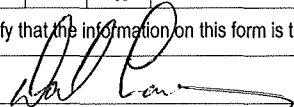
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Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-5	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. -5
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/>			Lat	Local Grid Location	
State Plane			Long	N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample				Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments	
Number	Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1		48"		1	ASPHALT Asphalt and fill material											
				2	CLAY Grey sand & clay			1.1 ppm								
2				4	CLAY Dark brown clay till with orange mottles											
				5												0.5 ppm
				7												0.8 ppm
3		48"		8	SAND 2" thick sand lens @ 7.5' BLS											
				9	1.0 ppm											
				12	EOB End of boring @ 12' BLS											





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Signature  Firm REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

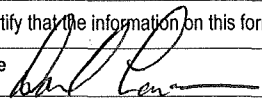
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Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number GP-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Common Well Name GP-6	Final Static Water Level	Surface Elevation 0	Borehole Diameter 2 in. 2.6
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1		36"		1	ASPHALT Asphalt and fill material				0.4 ppm						
				2	CLAY Native clay with wood fagments to 3.5' BLS				0.6 ppm						
2		48"		3											
				4	CLAY Clayey sand				0.5 ppm						
3				5	CLAY Native clay				0.4 ppm						
				6											
				7	EOB End of boring @ 12' BLS										

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature  Firm REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon	WI Unique Well # of Removed Well GP-1	Hicap #	Facility Name Pioneer Bank
Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) 772061180
1/4 / 1/4 or Gov't Lot #	Section	Township N	Range <input type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 701 South Central Avenue			Original Well Owner Pioneer Bank
Well City, Village or Town Marshfield			Well ZIP Code 54449
Subdivision Name			Lot #
Reason for Removal from Service Temporary Geoprobe			WI Unique Well # of Replacement Well GP-1
Well Street Address 701 South Central Avenue			Present Well Owner Pioneer Bank
Well City, Village or Town Marshfield			Mailing Address of Present Owner 701 South Central Avenue
Subdivision Name			City of Present Owner Marshfield
			State WI
			ZIP Code 54449

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
12'

Casing Diameter (in.)
2"

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

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" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	DNR Use Only	
			Date Received	Noted By
Street or Route 4080 N. 20th Avenue		Telephone Number (715) 675-9784	Comments	
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 	Date Signed 10-17-12

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon		WI Unique Well # of Removed Well GP-2		Hicap #		Facility Name Pioneer Bank	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 772061180	
¼ / ¼ or Gov't Lot #		Section		Township N		Range <input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 701 South Central Avenue				Original Well Owner Pioneer Bank			
Well City, Village or Town Marshfield				Well ZIP Code 54449			
Subdivision Name				Lot #		Present Well Owner Pioneer Bank	
Reason for Removal from Service Temporary Geoprobe				WI Unique Well # of Replacement Well GP-2		Mailing Address of Present Owner 701 South Central Avenue	
City of Present Owner Marshfield				State WI		ZIP Code 54449	

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
12'

Casing Diameter (in.)
2"

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work **DNR Use Only**

Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	Date Received	Noted By
Street or Route 4080 N. 20th Avenue		Telephone Number (715) 675-9784		Comments	
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 	Date Signed 10/17/12	

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon	WI Unique Well # of Removed Well GP-3	Hicap #	Facility Name Pioneer Bank
Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) 772061180
1/4 / 1/4 or Gov't Lot #	Section	Township N	Range <input type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 701 South Central Avenue			Original Well Owner Pioneer Bank
Well City, Village or Town Marshfield			Present Well Owner Pioneer Bank
Subdivision Name			Well ZIP Code 54449
Reason for Removal from Service Temporary Geoprobe			WI Unique Well # of Replacement Well GP-3
Well Street Address			Mailing Address of Present Owner 701 South Central Avenue
Well City, Village or Town			City of Present Owner Marshfield
Subdivision Name			State WI
			ZIP Code 54449

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
12'

Casing Diameter (in.)
2"

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

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" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	DNR Use Only	
			Date Received	Noted By
Street or Route 4080 N. 20th Avenue		Telephone Number (715) 675-9784	Comments	
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 	Date Signed 10-17-12

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Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon	WI Unique Well # of Removed Well GP-4	Hicap #	Facility Name Pioneer Bank
Latitude / Longitude (see instructions) _____ N _____ W	Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM	Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001	Facility ID (FID or PWS) 772061180
1/4 / 1/4 or Gov't Lot #	Section	Township N	Range <input type="checkbox"/> E <input type="checkbox"/> W
Well Street Address 701 South Central Avenue			Original Well Owner Pioneer Bank
Well City, Village or Town Marshfield			Well ZIP Code 54449
Subdivision Name			Lot #
Reason for Removal from Service Temporary Geoprobe			WI Unique Well # of Replacement Well GP-4
Well Street Address 701 South Central Avenue			Present Well Owner Pioneer Bank
Well City, Village or Town Marshfield			Mailing Address of Present Owner 701 South Central Avenue
Subdivision Name			City of Present Owner Marshfield
			State WI
			ZIP Code 54449

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:
 Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:
 Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.) 12'	Casing Diameter (in.) 2"
Lower Drillhole Diameter (in.)	Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)? Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

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" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work

Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	Date Received	Noted By	
Street or Route 4080 N. 20th Avenue	Telephone Number (715) 675-9784		Comments		
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 	Date Signed 10-17-12	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon		WI Unique Well # of Removed Well GP-5		Hicap #		Facility Name Pioneer Bank	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 772061180	
¼ / ¼ or Gov't Lot #		Section		Township N		Range <input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 701 South Central Avenue				Present Well Owner Pioneer Bank			
Well City, Village or Town Marshfield				Well ZIP Code 54449			
Subdivision Name				Lot #		Mailing Address of Present Owner 701 South Central Avenue	
Reason for Removal from Service Temporary Geoprobe				WI Unique Well # of Replacement Well GP-5		City of Present Owner Marshfield	
						State WI	
						ZIP Code 54449	

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
12'

Casing Diameter (in.)
2"

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A

Liner(s) removed? Yes No N/A

Liner(s) perforated? Yes No N/A

Screen removed? Yes No N/A

Casing left in place? Yes No N/A

Was casing cut off below surface? Yes No N/A

Did sealing material rise to surface? Yes No N/A

Did material settle after 24 hours? Yes No N/A

If yes, was hole retopped? Yes No N/A

If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials

Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

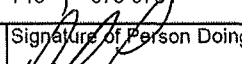
Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	DNR Use Only	
Street or Route 4080 N. 20th Avenue		Telephone Number (715) 675-9784	Date Received	Noted By	
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 		Date Signed 10-17-12

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, 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. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to DNR Bureau:

- Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information **2. Facility / Owner Information**

County Marathon		WI Unique Well # of Removed Well GP-6		Hicap #		Facility Name Pioneer Bank	
Latitude / Longitude (see instructions) _____ N _____ W		Format Code <input type="checkbox"/> DD <input type="checkbox"/> DDM		Method Code <input type="checkbox"/> GPS008 <input type="checkbox"/> SCR002 <input type="checkbox"/> OTH001		Facility ID (FID or PWS) 772061180	
1/4 / 1/4 or Gov't Lot #		Section		Township N		Range <input type="checkbox"/> E <input type="checkbox"/> W	
Well Street Address 701 South Central Avenue				Original Well Owner Pioneer Bank			
Well City, Village or Town Marshfield				Well ZIP Code 54449			
Subdivision Name				Lot #		Present Well Owner Pioneer Bank	
Reason for Removal from Service Temporary Geoprobe				WI Unique Well # of Replacement Well GP-6			
Mailing Address of Present Owner 701 South Central Avenue				City of Present Owner Marshfield			
State WI				ZIP Code 54449			

3. Filled & Sealed Well / Drillhole / Borehole Information

Monitoring Well
 Water Well
 Borehole / Drillhole

Original Construction Date (mm/dd/yyyy)
10/17/2012

If a Well Construction Report is available, please attach.

Construction Type:

Drilled Driven (Sandpoint) Dug
 Other (specify): Geoprobe

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Ground Surface (ft.)
12'

Casing Diameter (in.)
2"

Lower Drillhole Diameter (in.)

Casing Depth (ft.)

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

5. Material Used to Fill Well / Drillhole

Material	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" bentonite Chips	Surface	12'	1/2	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing Geiss Soil & Sample, REI Engineering		License #	Date of Filling & Sealing or Verification (mm/dd/yyyy) 10/17/2012	DNR Use Only	
Street or Route 4080 N. 20th Avenue		Telephone Number (715) 675-9784		Date Received	Noted By
City Wausau	State WI	ZIP Code 54401	Signature of Person Doing Work 	Date Signed 10-17-12	

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed? Yes No N/A
 Liner(s) removed? Yes No N/A
 Liner(s) perforated? Yes No N/A
 Screen removed? Yes No N/A
 Casing left in place? Yes No N/A
 Was casing cut off below surface? Yes No N/A
 Did sealing material rise to surface? Yes No N/A
 Did material settle after 24 hours? Yes No N/A
 If yes, was hole retopped? Yes No N/A
 If bentonite chips were used, were they hydrated with water from a known safe source? Yes No N/A

Required Method of Placing Sealing Material

Conductor Pipe-Gravity Conductor Pipe-Pumped
 Screened & Poured (Bentonite Chips) Other (Explain): _____

Sealing Materials




Neat Cement Grout Concrete
 Sand-Cement (Concrete) Grout Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:

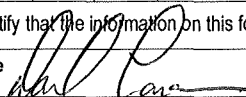
Bentonite Chips Bentonite - Cement Grout
 Granular Bentonite Bentonite - Sand Slurry

Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number MW-10	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method 4.25" I.D. HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name MW-10	Final Static Water Level	Surface Elevation 0	Borehole Diameter 8 in. V-10
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/> State Plane			Lat Long	Local Grid Location N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample Number	Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				1	TOPSOIL Topsoil and fill											
1				2												
2				3												
				4												
				5	CLAY Grey sandy clay with orange mottles				0.3 ppm							
3				6												
				7	CLAY Brown sandy clay till				0.4 ppm							
4				8												
				9												
				10												
				11												
				12												
				13												
5				14												
				15												
				16												
				17												
6				18												
				19												
				20	EOB End of boring @ 19.5' BLS											
				21												
				22												

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature 	Firm REI Engineering, Inc. 4080 North 20th Avenue, Wausau, WI
-----------------------------------------------------------------------------------------------	---------------------------------------------------------------------

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Pioneer Bank		License/Permit/Monitoring Number 02-72-522339		Boring Number PZ-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil and Samples, LLC (Jeff & Levi)			Date Drilling Started 10/17/2012	Date Drilling Completed 10/17/2012	Drilling Method 4.25" I.D. HSA
WI Unique Well No.	DNR Well ID No.	Common Well Name PZ-2	Final Static Water Level	Surface Elevation 0	Borehole Diameter 8 in. -2
Local Grid Origin <input type="checkbox"/> (estimated) <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/>			Lat	Local Grid Location	
State Plane			Long	N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W <input type="checkbox"/>	
Facility ID 772061180		County Wood	County Code 71	Civil Town/City/or Village Marshfield	

Sample				Depth In Feet	Soil/ Rock Description And Geologic Origin For Each Major Unit	U.S.C.S.	Graphic	Well	PID/FID	Soil Properties					RQD/ Comments
Number	Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				1	ASPHALT										
1				2	Asphalt and fill										
				3											
				4											
2				5	CLAY				91.2						
				6	Black/grey clay with odor				ppm						
				7											
3				8	CLAY				6.0						
				9	Brown sandy clay till				ppm						
				10											
				11											
				12											
				13											
				14											
				15	BLIND DRILL										
				16	Blind drilled to 20' BLS										
				17											
				18											
				19											
5				20	CLAY				1.7						
				21	Firm sandy clay till				ppm						
				22											
				23											
				24											
				25											
7				26	SAND										
				27	Saturated sand and gravel										
				28											
				29	BLIND DRILL										
				30	Blind Drilled to 40' BLS										
				31											
				32											
				33											
				34											
				35											
				36											
				37											
				38											
				39											
				40											
				41	EOB										
				42	End of boring @ 40' BLS										
				43											
				44											
				45											

I hereby certify that the information on this form is true and the correct to the best of my knowledge

Signature Firm REI Engineering, Inc.
4080 North 20th Avenue, Wausau, WI

This form is authorized by Chapters 281,283,289,292,293,295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in 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 instructions for more information, including where the completed form should be sent.

APPENDIX B

METHODS AND PROCEDURES



METHODS AND PROCEDURES

FOR

GEOPROBE SOIL SAMPLING

The Geoprobe unit hydraulically advances threaded, one-inch diameter, three-foot long, steel rod sections into the subsurface. A two-foot sampler, consisting of a drive shoe, a steel tube with a clean acetate liner, and a drive-head retractable piston, is attached to the leading Geoprobe rod. The sampler is driven down to the top of the interval to be sampled. The stop-pin is removed to release the drive head piston, which retracts as the sampler is advanced. When the sampler has been advanced two feet, the rods are retracted from the hole and the soil in the acetate liner is recovered. The acetate liner is split open and the soil is visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Logs of the borings are filled out indicating the depth and identification of the various strata, water level information, and pertinent information regarding the method of maintaining and advancing the borings.

Immediately after identification, the soil is quickly divided into two portions. One portion is prepared for potential laboratory analysis. The other portion is placed into a clean one-quart Ziploc bag for field screening. See the section "Soil Headspace Analysis" for field screening procedures.

HEADSPACE ANALYSIS

The soils were screened with a Mini-RAE photoionization detector (PID) equipped with an 11.7 eV lamp. The detector was calibrated in instrument units for Total Organic Vapors using an isobutylene standard. The soil sample, sealed in a Ziploc bag, was shaken vigorously to promote volatilization of the contaminant into the headspace of the bag. The sample was allowed to rest for at least ten minutes and then shaken again before screening. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the PID probe and the resulting meter reading was recorded.

SAMPLING AND CHAIN OF CUSTODY

Soil samples for laboratory analysis were collected into laboratory prepared vials. Each vial was labeled and placed directly into a cooler pending delivery to the laboratory. Latex gloves were worn during all sample collection procedures.

An entry on a Chain of Custody log was completed as each sample was collected. The Chain of Custody included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples. The Chain of Custody log was sent to the laboratory with each cooler of samples.

DECONTAMINATION

Sampling equipment was decontaminated prior to sampling. Steel rod sections were washed after every sample collected.

METHODS AND PROCEDURES
FOR
SOIL SAMPLING USING HOLLOW STEM AUGERS

Soil sampling was done in accordance with **ASTM:D1586-84**. Using this procedure, a 2 inch **OD**, 2 foot long split barrel sampler was driven into the soil by a 140 pound weight falling 30 inches. After an initial set of 6 inches, the number of blows required to drive the sampler an additional 12 inches is known as the penetration resistance or N value. The N value is an index of the relative density of cohesionless soils and the consistency of cohesive soils.

As the samples were obtained in the field, they were visually and manually classified by the field geologist/technician in accordance with **ASTM:D2488-84**. Representative portions of the samples were returned to the laboratory for further examination and for verification of the field classification. Logs of the borings were filled out indicating the depth and identification of the various strata, the N value, water level information and pertinent information regarding the method of maintaining and advancing the borings.

Soil samples recovered by the split spoon were divided into two portions. One portion was prepared for laboratory analysis. The other portion was placed into a clean one quart Ziploc bag. A headspace analysis was then conducted on this latter portion.

HEADSPACE ANALYSIS

The soils were scanned with a RAE photoionization detector equipped with a 10.6 eV lamp and calibrated for direct reading in units of Total Organic Vapors using an isobutylene standard. A Ziploc bag was filled two-thirds of the volume with the sample. The bags were sealed and shaken vigorously before headspace development. Headspace development is allowing the sample to rest for at least ten minutes before scanning. When ambient temperatures were below 60 degrees F, soil samples were allowed to warm for a minimum of 10 minutes in a heated environment prior to headspace development. The Ziploc bag was punctured with the probe and a reading was taken.

SAMPLING AND CHAIN OF CUSTODY

Soil samples were collected from a spilt barrel sampler and placed in laboratory prepared glass vials and placed directly into a cooler pending delivery to the laboratory. Latex gloves were worn during all sample collection procedures.

Upon completion of a sample, a chain of custody log was initiated. The chain of custody record included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples.

SURVEYING

Grade elevations of borings were surveyed to the nearest 0.1 foot and were tied to a USGS benchmark.

DECONTAMINATION

Sampling equipment were decontaminated prior to sampling. Augers were steam cleaned on plastic and split spoons were cleaned after every sample taken.

METHODS AND PROCEDURES
FOR
MONITORING WELL INSTALLATION AND GROUNDWATER
SAMPLING

The water table monitoring wells consist of pipe joint threaded, two inch by ten feet long schedule 40 PVC (#10 slot) with 2 inch schedule 40 PVC riser. After the screen and riser pipe were set, a sand filter pack was placed around the screen to a depth 3 feet above the top of the screen, capped by a 2 foot fine sand layer, covered with a bentonite seal, annular space seal and surface seal. A protective casing did enclose the PVC riser pipe.

Monitoring wells were installed in accordance with Wisconsin Administrative Code NR 141 regulations. The WDNR "Monitoring Well Construction Form 4400-113A" were completed in accordance with NR 144 and NR 147.

The wells were developed by bailing or pumping to establish a reliable intercept with the surrounding formation. At least ten well volumes were removed or bailed until the wells were sediment free. If the well was bailed dry, a minimum of 3 volumes were taken. The WDNR "Monitoring Well Development Form 4400-113B" was completed for each well.

WATER LEVEL

Groundwater level measurements were obtained by using an electronic measuring device which indicated when a probe is in contact by lowering the probe into the well until the instrument indicated that the water surface has been encountered, and the distance from the top of the well to the probe was measured. All measurements were reported to the nearest 0.01 foot.

SAMPLING AND CHAIN OF CUSTODY

Water samples were collected using disposable bottom loading plastic bailers. Prior to sampling, the wells were purged. At least 4 well volumes were removed before sampling to ensure collection of a representative sample. If the well was purged dry, it was allowed to recharge and then it was sampled.

Samples were taken from the middle section of the bailer and placed in laboratory prepared bottles. Samples were labeled and placed in a cooler to be preserved at approximately 4 degrees C. Samples were accompanied by Chain of Custody records.

Upon completion of a sample, a chain of custody log was initiated. The chain of custody record included the following information: project name, work order number, shipped by, shipped to, sampling point, location, field ID number, date and time taken, sample type, number of containers, analysis required, sampler (s) signature (s), etc. As few people as possible handled the samples.

SURVEYING

Grade elevations of monitoring wells were surveyed to the nearest 0.1 foot and top of riser elevations were surveyed to the nearest 0.01 for monitoring wells. Elevations were tied to a USGS benchmark.

DECONTAMINATION

Sampling equipment was decontaminated prior to sampling. The water level measuring device was washed before it was placed into each well using distilled water and Alconox cleaning detergent. Latex gloves were worn during all sample collection procedures and were changed between the collection of each of the water samples from each monitoring well.

APPENDIX C

SOIL DISPOSAL DOCUMENTATION





LINCOLN COUNTY LANDFILL 715-536-9636
N4750 Landfill Lane, Merrill, WI 54452

OPERATING HOURS:

Monday-Friday

SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm

WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm

1st and 3rd Sat. 8:00 am - Noon

DATE: 10/18/2012
Time In: 11:50 AM

TICKET #: 154311 Vehicle #:
Time Out: 12:00 PM

BILL TO: R.E.I.
HAULER : R.E.I.

JOB : 12-55 - PJ Properties - Marshfield

\$23.00 ton exempt (CON31) 1.26 tn

Gross: 12080

Tare: 9560

Net Weight: 2520

Scale Notes:

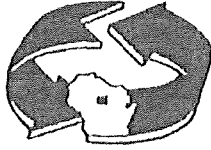
Charge Transaction

HAVE A NICE DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

Reprinted Ticket Ticket Edited



LINCOLN COUNTY LANDFILL 715-536-9636
N4750 Landfill Lane, Merrill, WI 54452

OPERATING HOURS:

Monday-Friday

SUMMER (May 1 - Sept. 30) 7:00 am - 4:00 pm

WINTER (Oct. 1 - Apr. 30) 8:00 am - 4:00 pm

1st and 3rd Sat. 8:00 am - Noon

DATE: 6/5/2013
Time In: 01:35 PM

TICKET #: 162178 Vehicle #:
Time Out: 01:49 PM

BILL TO: R.E.I.
HAULER : R.E.I.

JOB : 13-16 G - 5403 Pioneer Bank Marshfield
\$150 Minimum for Garbage (GarbagMIN2) 0.34 tn
Gross: 10660 Tare: 9980 Net Weight: 680

Scale Notes:

Charge Transaction

HAVE A NICE DAY!

Customer Signature _____
Weighed By: Administrator

I certify that the waste in this vehicle complies with the Wisconsin Recycling law and the landfill bans. I also agree to pay 1.5% per month Late payment charge after 30 days.

APPENDIX D

**SOIL AND GROUNDWATER LABORATORY
ANALYTICAL REPORTS**





Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 01, 2012

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Dear DAVID LARSEN:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

Page 2 of 35

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without the written consent of Pace Analytical Services, Inc..



SAMPLE SUMMARY

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4069173001	GP1@9-10	Solid	10/17/12 10:40	10/19/12 08:30
4069173002	GP2@2-4	Solid	10/17/12 10:55	10/19/12 08:30
4069173003	GP2@9-10	Solid	10/17/12 11:00	10/19/12 08:30
4069173004	GP3@7-8	Solid	10/17/12 11:10	10/19/12 08:30
4069173005	GP3@10-11	Solid	10/17/12 11:15	10/19/12 08:30
4069173006	GP4@4-6	Solid	10/17/12 11:25	10/19/12 08:30
4069173007	GP4@9-10	Solid	10/17/12 11:30	10/19/12 08:30
4069173008	GP5@2-4	Solid	10/17/12 11:40	10/19/12 08:30
4069173009	GP5@10-11	Solid	10/17/12 11:45	10/19/12 08:30
4069173010	GP6@4-6	Solid	10/17/12 12:00	10/19/12 08:30
4069173011	GP6@10-11	Solid	10/17/12 12:15	10/19/12 08:30
4069173012	MW10@5-7	Solid	10/17/12 10:30	10/19/12 08:30
4069173013	MW10@10-12	Solid	10/17/12 10:45	10/19/12 08:30
4069173014	PZ2@5-7	Solid	10/17/12 15:20	10/19/12 08:30
4069173015	PZ2@7.5-9.5	Solid	10/17/12 15:30	10/19/12 08:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4069173001	GP1@9-10	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173002	GP2@2-4	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173003	GP2@9-10	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173004	GP3@7-8	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173005	GP3@10-11	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173006	GP4@4-6	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173007	GP4@9-10	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173008	GP5@2-4	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173009	GP5@10-11	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173010	GP6@4-6	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173011	GP6@10-11	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173012	MW10@5-7	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173013	MW10@10-12	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173014	PZ2@5-7	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1
4069173015	PZ2@7.5-9.5	EPA 8260	SMT	64
		ASTM D2974-87	MAV	1

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP1@9-10 Lab ID: 4069173001 Collected: 10/17/12 10:40 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/23/12 22:07	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/23/12 22:07	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/23/12 22:07	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/23/12 22:07	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/23/12 22:07	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	100-42-5	W

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: GP1@9-10 Lab ID: 4069173001 Collected: 10/17/12 10:40 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/22/12 16:14	10/23/12 22:07	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:07	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	80 %		57-130		1	10/22/12 16:14	10/23/12 22:07	1868-53-7	
Toluene-d8 (S)	97 %		54-133		1	10/22/12 16:14	10/23/12 22:07	2037-26-5	
4-Bromofluorobenzene (S)	81 %		49-130		1	10/22/12 16:14	10/23/12 22:07	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.4 %		0.10	0.10	1		10/31/12 14:06		

Sample: GP2@2-4 Lab ID: 4069173002 Collected: 10/17/12 10:55 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/23/12 22:30	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/23/12 22:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	67-66-3	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP2@2-4 Lab ID: 4069173002 Collected: 10/17/12 10:55 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/23/12 22:30	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/23/12 22:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/23/12 22:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	108-67-8	W

Date: 11/01/2012 09:02 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP2@2-4 Lab ID: 4069173002 Collected: 10/17/12 10:55 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/22/12 16:14	10/23/12 22:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/23/12 22:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90 %		57-130		1	10/22/12 16:14	10/23/12 22:30	1868-53-7	
Toluene-d8 (S)	104 %		54-133		1	10/22/12 16:14	10/23/12 22:30	2037-26-5	
4-Bromofluorobenzene (S)	83 %		49-130		1	10/22/12 16:14	10/23/12 22:30	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.1 %		0.10	0.10	1		10/31/12 14:06		

Sample: GP2@9-10 Lab ID: 4069173003 Collected: 10/17/12 11:00 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	71-43-2	W
Bromobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	108-86-1	W
Bromochloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	74-97-5	W
Bromodichloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-27-4	W
Bromoform	<31.2	ug/kg	72.3	31.2	1	10/22/12 16:14	10/23/12 22:53	75-25-2	L2,W
Bromomethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	74-83-9	W
n-Butylbenzene	<48.7	ug/kg	72.3	48.7	1	10/22/12 16:14	10/23/12 22:53	104-51-8	W
sec-Butylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	135-98-8	W
tert-Butylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	98-06-6	W
Carbon tetrachloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	56-23-5	W
Chlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	108-90-7	W
Chloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-00-3	L3,W
Chloroform	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	67-66-3	W
Chloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	74-87-3	W
2-Chlorotoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	95-49-8	W
4-Chlorotoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	106-43-4	W
1,2-Dibromo-3-chloropropane	<99.2	ug/kg	301	99.2	1	10/22/12 16:14	10/23/12 22:53	96-12-8	W
Dibromochloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	124-48-1	W
1,2-Dibromoethane (EDB)	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	106-93-4	W
Dibromomethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	74-95-3	W
1,2-Dichlorobenzene	<53.5	ug/kg	72.3	53.5	1	10/22/12 16:14	10/23/12 22:53	95-50-1	W
1,3-Dichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	541-73-1	W
1,4-Dichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	106-46-7	W
Dichlorodifluoromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-71-8	W
1,1-Dichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-34-3	W
1,2-Dichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	107-06-2	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP2@9-10 Lab ID: 4069173003 Collected: 10/17/12 11:00 Received: 10/19/12 08:30 Matrix: Solid
 Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-35-4	W
cis-1,2-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	156-59-2	W
trans-1,2-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	156-60-5	W
1,2-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	78-87-5	W
1,3-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	142-28-9	W
2,2-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	594-20-7	W
1,1-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	563-58-6	W
cis-1,3-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	10061-01-5	W
trans-1,3-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	10061-02-6	W
Diisopropyl ether	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	108-20-3	W
Ethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	100-41-4	W
Hexachloro-1,3-butadiene	<31.8	ug/kg	72.3	31.8	1	10/22/12 16:14	10/23/12 22:53	87-68-3	W
Isopropylbenzene (Cumene)	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	98-82-8	W
p-Isopropyltoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	99-87-6	W
Methylene Chloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-09-2	W
Methyl-tert-butyl ether	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	1634-04-4	W
Naphthalene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	91-20-3	W
n-Propylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	103-65-1	W
Styrene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	100-42-5	W
1,1,1,2-Tetrachloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	630-20-6	W
1,1,2,2-Tetrachloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	79-34-5	W
Tetrachloroethene	246	ug/kg	83.9	35.0	1	10/22/12 16:14	10/23/12 22:53	127-18-4	
Toluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	108-88-3	W
1,2,3-Trichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	87-61-6	W
1,2,4-Trichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	120-82-1	W
1,1,1-Trichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	71-55-6	W
1,1,2-Trichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	79-00-5	W
Trichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	79-01-6	W
Trichlorofluoromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-69-4	W
1,2,3-Trichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	96-18-4	W
1,2,4-Trimethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	95-63-6	W
1,3,5-Trimethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	108-67-8	W
Vinyl chloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	75-01-4	W
m&p-Xylene	<60.2	ug/kg	145	60.2	1	10/22/12 16:14	10/23/12 22:53	179601-23-1	W
o-Xylene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/23/12 22:53	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90 %		57-130		1	10/22/12 16:14	10/23/12 22:53	1868-53-7	
Toluene-d8 (S)	99 %		54-133		1	10/22/12 16:14	10/23/12 22:53	2037-26-5	
4-Bromofluorobenzene (S)	81 %		49-130		1	10/22/12 16:14	10/23/12 22:53	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	13.9 %		0.10	0.10	1		10/31/12 14:06		



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP3@7-8 Lab ID: 4069173004 Collected: 10/17/12 11:10 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	176J	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	71-43-2	
Bromobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	108-86-1	W
Bromochloromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	74-97-5	W
Bromodichloromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-27-4	W
Bromoform	<72.7	ug/kg	169	72.7	2.5	10/22/12 16:14	10/24/12 03:05	75-25-2	L2,W
Bromomethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	74-83-9	W
n-Butylbenzene	<113	ug/kg	169	113	2.5	10/22/12 16:14	10/24/12 03:05	104-51-8	W
sec-Butylbenzene	385	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	135-98-8	
tert-Butylbenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	98-06-6	W
Carbon tetrachloride	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	56-23-5	W
Chlorobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	108-90-7	W
Chloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-00-3	L3,W
Chloroform	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	67-66-3	W
Chloromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	74-87-3	W
2-Chlorotoluene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	95-49-8	W
4-Chlorotoluene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	106-43-4	W
1,2-Dibromo-3-chloropropane	<231	ug/kg	702	231	2.5	10/22/12 16:14	10/24/12 03:05	96-12-8	W
Dibromochloromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	124-48-1	W
1,2-Dibromoethane (EDB)	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	106-93-4	W
Dibromomethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	74-95-3	W
1,2-Dichlorobenzene	<125	ug/kg	169	125	2.5	10/22/12 16:14	10/24/12 03:05	95-50-1	W
1,3-Dichlorobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	541-73-1	W
1,4-Dichlorobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	106-46-7	W
Dichlorodifluoromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-71-8	W
1,1-Dichloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-34-3	W
1,2-Dichloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	107-06-2	W
1,1-Dichloroethene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-35-4	W
cis-1,2-Dichloroethene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	156-59-2	W
trans-1,2-Dichloroethene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	156-60-5	W
1,2-Dichloropropane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	78-87-5	W
1,3-Dichloropropane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	142-28-9	W
2,2-Dichloropropane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	594-20-7	W
1,1-Dichloropropene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	563-58-6	W
cis-1,3-Dichloropropene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	10061-01-5	W
trans-1,3-Dichloropropene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	10061-02-6	W
Diisopropyl ether	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	108-20-3	W
Ethylbenzene	1730	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	100-41-4	
Hexachloro-1,3-butadiene	<74.1	ug/kg	169	74.1	2.5	10/22/12 16:14	10/24/12 03:05	87-68-3	W
Isopropylbenzene (Cumene)	467	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	98-82-8	
p-Isopropyltoluene	600	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	99-87-6	
Methylene Chloride	106J	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	75-09-2	
Methyl-tert-butyl ether	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	1634-04-4	W
Naphthalene	356	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	91-20-3	
n-Propylbenzene	1520	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	103-65-1	
Styrene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	100-42-5	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP3@7-8 Lab ID: 4069173004 Collected: 10/17/12 11:10 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	630-20-6	W
1,1,2,2-Tetrachloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	79-34-5	W
Tetrachloroethene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	127-18-4	W
Toluene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	108-88-3	W
1,2,3-Trichlorobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	87-61-6	W
1,2,4-Trichlorobenzene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	120-82-1	W
1,1,1-Trichloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	71-55-6	W
1,1,2-Trichloroethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	79-00-5	W
Trichloroethene	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	79-01-6	W
Trichlorofluoromethane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-69-4	W
1,2,3-Trichloropropane	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	96-18-4	W
1,2,4-Trimethylbenzene	6430	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	95-63-6	
1,3,5-Trimethylbenzene	4750	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	108-67-8	
Vinyl chloride	<70.2	ug/kg	169	70.2	2.5	10/22/12 16:14	10/24/12 03:05	75-01-4	W
m&p-Xylene	1090	ug/kg	413	172	2.5	10/22/12 16:14	10/24/12 03:05	179601-23-1	
o-Xylene	186J	ug/kg	207	86.1	2.5	10/22/12 16:14	10/24/12 03:05	95-47-6	
Surrogates									
Dibromofluoromethane (S)	81 %		57-130		2.5	10/22/12 16:14	10/24/12 03:05	1868-53-7	
Toluene-d8 (S)	93 %		54-133		2.5	10/22/12 16:14	10/24/12 03:05	2037-26-5	
4-Bromofluorobenzene (S)	75 %		49-130		2.5	10/22/12 16:14	10/24/12 03:05	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture 18.5 % 0.10 0.10 1 10/31/12 14:06

Sample: GP3@10-11 Lab ID: 4069173005 Collected: 10/17/12 11:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	71-43-2	W
Bromobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	108-86-1	W
Bromochloromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	74-97-5	W
Bromodichloromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-27-4	W
Bromoform	<56.3	ug/kg	130	56.3	2	10/22/12 16:14	10/24/12 06:52	75-25-2	L2,W
Bromomethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	74-83-9	W
n-Butylbenzene	<87.8	ug/kg	130	87.8	2	10/22/12 16:14	10/24/12 06:52	104-51-8	W
sec-Butylbenzene	524	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	135-98-8	
tert-Butylbenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	98-06-6	W
Carbon tetrachloride	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	56-23-5	W
Chlorobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	108-90-7	W
Chloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-00-3	L3,W
Chloroform	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	67-66-3	W

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: GP3@10-11 Lab ID: 4069173005 Collected: 10/17/12 11:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	74-87-3	W
2-Chlorotoluene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	95-49-8	W
4-Chlorotoluene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	106-43-4	W
1,2-Dibromo-3-chloropropane	<179	ug/kg	543	179	2	10/22/12 16:14	10/24/12 06:52	96-12-8	W
Dibromochloromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	124-48-1	W
1,2-Dibromoethane (EDB)	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	106-93-4	W
Dibromomethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	74-95-3	W
1,2-Dichlorobenzene	<96.5	ug/kg	130	96.5	2	10/22/12 16:14	10/24/12 06:52	95-50-1	W
1,3-Dichlorobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	541-73-1	W
1,4-Dichlorobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	106-46-7	W
Dichlorodifluoromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-71-8	W
1,1-Dichloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-34-3	W
1,2-Dichloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	107-06-2	W
1,1-Dichloroethene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-35-4	W
cis-1,2-Dichloroethene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	156-59-2	W
trans-1,2-Dichloroethene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	156-60-5	W
1,2-Dichloropropane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	78-87-5	W
1,3-Dichloropropane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	142-28-9	W
2,2-Dichloropropane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	594-20-7	W
1,1-Dichloropropene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	563-58-6	W
cis-1,3-Dichloropropene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	10061-01-5	W
trans-1,3-Dichloropropene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	10061-02-6	W
Diisopropyl ether	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	108-20-3	W
Ethylbenzene	2030	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	100-41-4	
Hexachloro-1,3-butadiene	<57.4	ug/kg	130	57.4	2	10/22/12 16:14	10/24/12 06:52	87-68-3	W
Isopropylbenzene (Cumene)	856	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	98-82-8	
p-Isopropyltoluene	687	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	99-87-6	
Methylene Chloride	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-09-2	W
Methyl-tert-butyl ether	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	1634-04-4	W
Naphthalene	3960	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	91-20-3	
n-Propylbenzene	2820	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	103-65-1	
Styrene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	100-42-5	W
1,1,1,2-Tetrachloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	630-20-6	W
1,1,2,2-Tetrachloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	79-34-5	W
Tetrachloroethene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	127-18-4	W
Toluene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	108-88-3	W
1,2,3-Trichlorobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	87-61-6	W
1,2,4-Trichlorobenzene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	120-82-1	W
1,1,1-Trichloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	71-55-6	W
1,1,2-Trichloroethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	79-00-5	W
Trichloroethene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	79-01-6	W
Trichlorofluoromethane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-69-4	W
1,2,3-Trichloropropane	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	96-18-4	W
1,2,4-Trimethylbenzene	9390	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	95-63-6	
1,3,5-Trimethylbenzene	5660	ug/kg	153	63.7	2	10/22/12 16:14	10/24/12 06:52	108-67-8	

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: GP3@10-11 Lab ID: 4069173005 Collected: 10/17/12 11:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	75-01-4	W
m&p-Xylene	3620	ug/kg	306	127	2	10/22/12 16:14	10/24/12 06:52	179601-23-1	
o-Xylene	<54.3	ug/kg	130	54.3	2	10/22/12 16:14	10/24/12 06:52	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	81 %		57-130		2	10/22/12 16:14	10/24/12 06:52	1868-53-7	
Toluene-d8 (S)	93 %		54-133		2	10/22/12 16:14	10/24/12 06:52	2037-26-5	
4-Bromofluorobenzene (S)	86 %		49-130		2	10/22/12 16:14	10/24/12 06:52	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87									
Percent Moisture	14.7 %		0.10	0.10	1		10/31/12 14:06		

Sample: GP4@4-6 Lab ID: 4069173006 Collected: 10/17/12 11:25 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	71-43-2	W
Bromobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	108-86-1	W
Bromochloromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	74-97-5	W
Bromodichloromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-27-4	W
Bromoform	<31.6	ug/kg	73.2	31.6	1	10/22/12 16:14	10/23/12 23:16	75-25-2	L2,W
Bromomethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	74-83-9	W
n-Butylbenzene	<49.3	ug/kg	73.2	49.3	1	10/22/12 16:14	10/23/12 23:16	104-51-8	W
sec-Butylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	135-98-8	W
tert-Butylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	98-06-6	W
Carbon tetrachloride	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	56-23-5	W
Chlorobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	108-90-7	W
Chloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-00-3	L3,W
Chloroform	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	67-66-3	W
Chloromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	74-87-3	W
2-Chlorotoluene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	95-49-8	W
4-Chlorotoluene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	106-43-4	W
1,2-Dibromo-3-chloropropane	<100	ug/kg	305	100	1	10/22/12 16:14	10/23/12 23:16	96-12-8	W
Dibromochloromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	124-48-1	W
1,2-Dibromoethane (EDB)	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	106-93-4	W
Dibromomethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	74-95-3	W
1,2-Dichlorobenzene	<54.1	ug/kg	73.2	54.1	1	10/22/12 16:14	10/23/12 23:16	95-50-1	W
1,3-Dichlorobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	541-73-1	W
1,4-Dichlorobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	106-46-7	W
Dichlorodifluoromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-71-8	W
1,1-Dichloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-34-3	W
1,2-Dichloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	107-06-2	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP4@4-6 Lab ID: 4069173006 Collected: 10/17/12 11:25 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-35-4	W
cis-1,2-Dichloroethene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	156-59-2	W
trans-1,2-Dichloroethene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	156-60-5	W
1,2-Dichloropropane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	78-87-5	W
1,3-Dichloropropane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	142-28-9	W
2,2-Dichloropropane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	594-20-7	W
1,1-Dichloropropene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	563-58-6	W
cis-1,3-Dichloropropene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	10061-01-5	W
trans-1,3-Dichloropropene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	10061-02-6	W
Diisopropyl ether	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	108-20-3	W
Ethylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	100-41-4	W
Hexachloro-1,3-butadiene	<32.2	ug/kg	73.2	32.2	1	10/22/12 16:14	10/23/12 23:16	87-68-3	W
Isopropylbenzene (Cumene)	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	98-82-8	W
p-Isopropyltoluene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	99-87-6	W
Methylene Chloride	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-09-2	W
Methyl-tert-butyl ether	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	1634-04-4	W
Naphthalene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	91-20-3	W
n-Propylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	103-65-1	W
Styrene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	100-42-5	W
1,1,1,2-Tetrachloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	630-20-6	W
1,1,2,2-Tetrachloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	79-34-5	W
Tetrachloroethene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	127-18-4	W
Toluene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	108-88-3	W
1,2,3-Trichlorobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	87-61-6	W
1,2,4-Trichlorobenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	120-82-1	W
1,1,1-Trichloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	71-55-6	W
1,1,2-Trichloroethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	79-00-5	W
Trichloroethene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	79-01-6	W
Trichlorofluoromethane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-69-4	W
1,2,3-Trichloropropane	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	96-18-4	W
1,2,4-Trimethylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	95-63-6	W
1,3,5-Trimethylbenzene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	108-67-8	W
Vinyl chloride	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	75-01-4	W
m&p-Xylene	<61.0	ug/kg	146	61.0	1	10/22/12 16:14	10/23/12 23:16	179601-23-1	W
o-Xylene	<30.5	ug/kg	73.2	30.5	1	10/22/12 16:14	10/23/12 23:16	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90 %		57-130		1	10/22/12 16:14	10/23/12 23:16	1868-53-7	
Toluene-d8 (S)	95 %		54-133		1	10/22/12 16:14	10/23/12 23:16	2037-26-5	
4-Bromofluorobenzene (S)	86 %		49-130		1	10/22/12 16:14	10/23/12 23:16	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.6 %		0.10	0.10	1		10/31/12 14:06		



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP4@9-10 Lab ID: 4069173007 Collected: 10/17/12 11:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	71-43-2	W
Bromobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	108-86-1	W
Bromochloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	74-97-5	W
Bromodichloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-27-4	W
Bromoform	<29.4	ug/kg	68.2	29.4	1	10/22/12 16:14	10/23/12 23:39	75-25-2	L2,W
Bromomethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	74-83-9	W
n-Butylbenzene	<45.9	ug/kg	68.2	45.9	1	10/22/12 16:14	10/23/12 23:39	104-51-8	W
sec-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	135-98-8	W
tert-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	98-06-6	W
Carbon tetrachloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	56-23-5	W
Chlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	108-90-7	W
Chloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-00-3	L3,W
Chloroform	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	67-66-3	W
Chloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	74-87-3	W
2-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	95-49-8	W
4-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.5	ug/kg	284	93.5	1	10/22/12 16:14	10/23/12 23:39	96-12-8	W
Dibromochloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	124-48-1	W
1,2-Dibromoethane (EDB)	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	106-93-4	W
Dibromomethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	74-95-3	W
1,2-Dichlorobenzene	<50.5	ug/kg	68.2	50.5	1	10/22/12 16:14	10/23/12 23:39	95-50-1	W
1,3-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	541-73-1	W
1,4-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	106-46-7	W
Dichlorodifluoromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-71-8	W
1,1-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-34-3	W
1,2-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	107-06-2	W
1,1-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-35-4	W
cis-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	156-59-2	W
trans-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	156-60-5	W
1,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	78-87-5	W
1,3-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	142-28-9	W
2,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	594-20-7	W
1,1-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	563-58-6	W
cis-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	10061-01-5	W
trans-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	10061-02-6	W
Diisopropyl ether	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	108-20-3	W
Ethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	100-41-4	W
Hexachloro-1,3-butadiene	<30.0	ug/kg	68.2	30.0	1	10/22/12 16:14	10/23/12 23:39	87-68-3	W
Isopropylbenzene (Cumene)	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	98-82-8	W
p-Isopropyltoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	99-87-6	W
Methylene Chloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-09-2	W
Methyl-tert-butyl ether	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	1634-04-4	W
Naphthalene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	91-20-3	W
n-Propylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	103-65-1	W
Styrene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	100-42-5	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP4@9-10 Lab ID: 4069173007 Collected: 10/17/12 11:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	79-34-5	W
Tetrachloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	127-18-4	W
Toluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	108-88-3	W
1,2,3-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	87-61-6	W
1,2,4-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	120-82-1	W
1,1,1-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	71-55-6	W
1,1,2-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	79-00-5	W
Trichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	79-01-6	W
Trichlorofluoromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-69-4	W
1,2,3-Trichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	96-18-4	W
1,2,4-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	95-63-6	W
1,3,5-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	108-67-8	W
Vinyl chloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	75-01-4	W
m&p-Xylene	<56.8	ug/kg	136	56.8	1	10/22/12 16:14	10/23/12 23:39	179601-23-1	W
o-Xylene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/23/12 23:39	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84 %		57-130		1	10/22/12 16:14	10/23/12 23:39	1868-53-7	
Toluene-d8 (S)	101 %		54-133		1	10/22/12 16:14	10/23/12 23:39	2037-26-5	
4-Bromofluorobenzene (S)	81 %		49-130		1	10/22/12 16:14	10/23/12 23:39	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.9 %		0.10	0.10	1		10/31/12 14:06		

Sample: GP5@2-4 Lab ID: 4069173008 Collected: 10/17/12 11:40 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/24/12 00:02	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/24/12 00:02	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	67-66-3	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP5@2-4 Lab ID: 4069173008 Collected: 10/17/12 11:40 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/24/12 00:02	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/24/12 00:02	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/24/12 00:02	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	630-20-6	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	127-18-4	W
Toluene	43.9J	ug/kg	72.9	30.4	1	10/22/12 16:14	10/24/12 00:02	108-88-3	
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	108-67-8	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP5@2-4 Lab ID: 4069173008 Collected: 10/17/12 11:40 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/22/12 16:14	10/24/12 00:02	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:02	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87 %		57-130		1	10/22/12 16:14	10/24/12 00:02	1868-53-7	
Toluene-d8 (S)	96 %		54-133		1	10/22/12 16:14	10/24/12 00:02	2037-26-5	
4-Bromofluorobenzene (S)	78 %		49-130		1	10/22/12 16:14	10/24/12 00:02	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.7 %		0.10	0.10	1		10/31/12 14:06		

Sample: GP5@10-11 Lab ID: 4069173009 Collected: 10/17/12 11:45 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/24/12 00:25	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/24/12 00:25	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/24/12 00:25	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/24/12 00:25	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	107-06-2	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP5@10-11 Lab ID: 4069173009 Collected: 10/17/12 11:45 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/24/12 00:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/22/12 16:14	10/24/12 00:25	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 00:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84 %		57-130		1	10/22/12 16:14	10/24/12 00:25	1868-53-7	
Toluene-d8 (S)	99 %		54-133		1	10/22/12 16:14	10/24/12 00:25	2037-26-5	
4-Bromofluorobenzene (S)	79 %		49-130		1	10/22/12 16:14	10/24/12 00:25	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.0 %		0.10	0.10	1		10/31/12 14:07		
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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP6@4-6 Lab ID: 4069173010 Collected: 10/17/12 12:00 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	71-43-2	W
Bromobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	108-86-1	W
Bromochloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	74-97-5	W
Bromodichloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-27-4	W
Bromoform	<29.4	ug/kg	68.2	29.4	1	10/22/12 16:14	10/24/12 00:48	75-25-2	L2,W
Bromomethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	74-83-9	W
n-Butylbenzene	<45.9	ug/kg	68.2	45.9	1	10/22/12 16:14	10/24/12 00:48	104-51-8	W
sec-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	135-98-8	W
tert-Butylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	98-06-6	W
Carbon tetrachloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	56-23-5	W
Chlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	108-90-7	W
Chloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-00-3	L3,W
Chloroform	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	67-66-3	W
Chloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	74-87-3	W
2-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	95-49-8	W
4-Chlorotoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<93.5	ug/kg	284	93.5	1	10/22/12 16:14	10/24/12 00:48	96-12-8	W
Dibromochloromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	124-48-1	W
1,2-Dibromoethane (EDB)	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	106-93-4	W
Dibromomethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	74-95-3	W
1,2-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	95-50-1	W
1,3-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	541-73-1	W
1,4-Dichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	106-46-7	W
Dichlorodifluoromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-71-8	W
1,1-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-34-3	W
1,2-Dichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	107-06-2	W
1,1-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-35-4	W
cis-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	156-59-2	W
trans-1,2-Dichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	156-60-5	W
1,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	78-87-5	W
1,3-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	142-28-9	W
2,2-Dichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	594-20-7	W
1,1-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	563-58-6	W
cis-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	10061-01-5	W
trans-1,3-Dichloropropene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	10061-02-6	W
Diisopropyl ether	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	108-20-3	W
Ethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	100-41-4	W
Hexachloro-1,3-butadiene	<30.0	ug/kg	68.2	30.0	1	10/22/12 16:14	10/24/12 00:48	87-68-3	W
Isopropylbenzene (Cumene)	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	98-82-8	W
p-Isopropyltoluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	99-87-6	W
Methylene Chloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-09-2	W
Methyl-tert-butyl ether	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	1634-04-4	W
Naphthalene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	91-20-3	W
n-Propylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	103-65-1	W
Styrene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	100-42-5	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: GP6@4-6 Lab ID: 4069173010 Collected: 10/17/12 12:00 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	79-34-5	W
Tetrachloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	127-18-4	W
Toluene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	108-88-3	W
1,2,3-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	87-61-6	W
1,2,4-Trichlorobenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	120-82-1	W
1,1,1-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	71-55-6	W
1,1,2-Trichloroethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	79-00-5	W
Trichloroethene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	79-01-6	W
Trichlorofluoromethane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-69-4	W
1,2,3-Trichloropropane	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	96-18-4	W
1,2,4-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	95-63-6	W
1,3,5-Trimethylbenzene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	108-67-8	W
Vinyl chloride	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	75-01-4	W
m&p-Xylene	<56.8	ug/kg	136	56.8	1	10/22/12 16:14	10/24/12 00:48	179601-23-1	W
o-Xylene	<28.4	ug/kg	68.2	28.4	1	10/22/12 16:14	10/24/12 00:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	82 %		57-130		1	10/22/12 16:14	10/24/12 00:48	1868-53-7	
Toluene-d8 (S)	94 %		54-133		1	10/22/12 16:14	10/24/12 00:48	2037-26-5	
4-Bromofluorobenzene (S)	76 %		49-130		1	10/22/12 16:14	10/24/12 00:48	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture 14.9 % 0.10 0.10 1 10/31/12 14:07

Sample: GP6@10-11 Lab ID: 4069173011 Collected: 10/17/12 12:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/24/12 01:11	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/24/12 01:11	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	67-66-3	W

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: GP6@10-11 Lab ID: 4069173011 Collected: 10/17/12 12:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/24/12 01:11	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/24/12 01:11	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/24/12 01:11	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	108-67-8	W

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: GP6@10-11 Lab ID: 4069173011 Collected: 10/17/12 12:15 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0 ug/kg		60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	75-01-4	W
m&p-Xylene	<50.0 ug/kg		120	50.0	1	10/22/12 16:14	10/24/12 01:11	179601-23-1	W
o-Xylene	<25.0 ug/kg		60.0	25.0	1	10/22/12 16:14	10/24/12 01:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90 %		57-130		1	10/22/12 16:14	10/24/12 01:11	1868-53-7	
Toluene-d8 (S)	100 %		54-133		1	10/22/12 16:14	10/24/12 01:11	2037-26-5	
4-Bromofluorobenzene (S)	80 %		49-130		1	10/22/12 16:14	10/24/12 01:11	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	15.5 %		0.10	0.10	1		10/31/12 14:07		

Sample: MW10@5-7 Lab ID: 4069173012 Collected: 10/17/12 10:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	71-43-2	W
Bromobenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	108-86-1	W
Bromochloromethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	74-97-5	W
Bromodichloromethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-27-4	W
Bromoform	<30.5 ug/kg		70.6	30.5	1	10/22/12 16:14	10/24/12 01:33	75-25-2	L2,W
Bromomethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	74-83-9	W
n-Butylbenzene	<47.5 ug/kg		70.6	47.5	1	10/22/12 16:14	10/24/12 01:33	104-51-8	W
sec-Butylbenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	135-98-8	W
tert-Butylbenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	98-06-6	W
Carbon tetrachloride	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	56-23-5	W
Chlorobenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	108-90-7	W
Chloroethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-00-3	L3,W
Chloroform	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	67-66-3	W
Chloromethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	74-87-3	W
2-Chlorotoluene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	95-49-8	W
4-Chlorotoluene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<96.8 ug/kg		294	96.8	1	10/22/12 16:14	10/24/12 01:33	96-12-8	W
Dibromochloromethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	124-48-1	W
1,2-Dibromoethane (EDB)	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	106-93-4	W
Dibromomethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	74-95-3	W
1,2-Dichlorobenzene	<52.2 ug/kg		70.6	52.2	1	10/22/12 16:14	10/24/12 01:33	95-50-1	W
1,3-Dichlorobenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	541-73-1	W
1,4-Dichlorobenzene	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	106-46-7	W
Dichlorodifluoromethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-71-8	W
1,1-Dichloroethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-34-3	W
1,2-Dichloroethane	<29.4 ug/kg		70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	107-06-2	W

Date: 11/01/2012 09:02 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Sample: MW10@5-7 Lab ID: 4069173012 Collected: 10/17/12 10:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-35-4	W
cis-1,2-Dichloroethene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	156-59-2	W
trans-1,2-Dichloroethene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	156-60-5	W
1,2-Dichloropropane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	78-87-5	W
1,3-Dichloropropane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	142-28-9	W
2,2-Dichloropropane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	594-20-7	W
1,1-Dichloropropene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	563-58-6	W
cis-1,3-Dichloropropene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	10061-01-5	W
trans-1,3-Dichloropropene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	10061-02-6	W
Diisopropyl ether	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	108-20-3	W
Ethylbenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	100-41-4	W
Hexachloro-1,3-butadiene	<31.0	ug/kg	70.6	31.0	1	10/22/12 16:14	10/24/12 01:33	87-68-3	W
Isopropylbenzene (Cumene)	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	98-82-8	W
p-Isopropyltoluene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	99-87-6	W
Methylene Chloride	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-09-2	W
Methyl-tert-butyl ether	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	1634-04-4	W
Naphthalene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	91-20-3	W
n-Propylbenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	103-65-1	W
Styrene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	79-34-5	W
Tetrachloroethene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	127-18-4	W
Toluene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	108-88-3	W
1,2,3-Trichlorobenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	87-61-6	W
1,2,4-Trichlorobenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	120-82-1	W
1,1,1-Trichloroethane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	71-55-6	W
1,1,2-Trichloroethane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	79-00-5	W
Trichloroethene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	79-01-6	W
Trichlorofluoromethane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-69-4	W
1,2,3-Trichloropropane	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	96-18-4	W
1,2,4-Trimethylbenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	95-63-6	W
1,3,5-Trimethylbenzene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	108-67-8	W
Vinyl chloride	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	75-01-4	W
m&p-Xylene	<58.8	ug/kg	141	58.8	1	10/22/12 16:14	10/24/12 01:33	179601-23-1	W
o-Xylene	<29.4	ug/kg	70.6	29.4	1	10/22/12 16:14	10/24/12 01:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	82 %		57-130		1	10/22/12 16:14	10/24/12 01:33	1868-53-7	
Toluene-d8 (S)	98 %		54-133		1	10/22/12 16:14	10/24/12 01:33	2037-26-5	
4-Bromofluorobenzene (S)	80 %		49-130		1	10/22/12 16:14	10/24/12 01:33	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.1 %		0.10	0.10	1		10/31/12 14:07		



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: MW10@10-12 Lab ID: 4069173013 Collected: 10/17/12 10:45 Received: 10/19/12 08:30 Matrix: Solid
 Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	71-43-2	W
Bromobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	108-86-1	W
Bromochloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	74-97-5	W
Bromodichloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-27-4	W
Bromoform	<31.2	ug/kg	72.3	31.2	1	10/22/12 16:14	10/24/12 01:56	75-25-2	L2,W
Bromomethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	74-83-9	W
n-Butylbenzene	<48.7	ug/kg	72.3	48.7	1	10/22/12 16:14	10/24/12 01:56	104-51-8	W
sec-Butylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	135-98-8	W
tert-Butylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	98-06-6	W
Carbon tetrachloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	56-23-5	W
Chlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	108-90-7	W
Chloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-00-3	L3,W
Chloroform	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	67-66-3	W
Chloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	74-87-3	W
2-Chlorotoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	95-49-8	W
4-Chlorotoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<99.2	ug/kg	301	99.2	1	10/22/12 16:14	10/24/12 01:56	96-12-8	W
Dibromochloromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	124-48-1	W
1,2-Dibromoethane (EDB)	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	106-93-4	W
Dibromomethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	74-95-3	W
1,2-Dichlorobenzene	<53.5	ug/kg	72.3	53.5	1	10/22/12 16:14	10/24/12 01:56	95-50-1	W
1,3-Dichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	541-73-1	W
1,4-Dichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	106-46-7	W
Dichlorodifluoromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-71-8	W
1,1-Dichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-34-3	W
1,2-Dichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	107-06-2	W
1,1-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-35-4	W
cis-1,2-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	156-59-2	W
trans-1,2-Dichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	156-60-5	W
1,2-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	78-87-5	W
1,3-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	142-28-9	W
2,2-Dichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	594-20-7	W
1,1-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	563-58-6	W
cis-1,3-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	10061-01-5	W
trans-1,3-Dichloropropene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	10061-02-6	W
Diisopropyl ether	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	108-20-3	W
Ethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	100-41-4	W
Hexachloro-1,3-butadiene	<31.8	ug/kg	72.3	31.8	1	10/22/12 16:14	10/24/12 01:56	87-68-3	W
Isopropylbenzene (Cumene)	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	98-82-8	W
p-Isopropyltoluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	99-87-6	W
Methylene Chloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-09-2	W
Methyl-tert-butyl ether	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	1634-04-4	W
Naphthalene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	91-20-3	W
n-Propylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	103-65-1	W
Styrene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	100-42-5	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: MW10@10-12 Lab ID: 4069173013 Collected: 10/17/12 10:45 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	630-20-6	W
1,1,1,2,2-Tetrachloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	79-34-5	W
Tetrachloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	127-18-4	W
Toluene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	108-88-3	W
1,2,3-Trichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	87-61-6	W
1,2,4-Trichlorobenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	120-82-1	W
1,1,1-Trichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	71-55-6	W
1,1,2-Trichloroethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	79-00-5	W
Trichloroethene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	79-01-6	W
Trichlorofluoromethane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-69-4	W
1,2,3-Trichloropropane	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	96-18-4	W
1,2,4-Trimethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	95-63-6	W
1,3,5-Trimethylbenzene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	108-67-8	W
Vinyl chloride	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	75-01-4	W
m&p-Xylene	<60.2	ug/kg	145	60.2	1	10/22/12 16:14	10/24/12 01:56	179601-23-1	W
o-Xylene	<30.1	ug/kg	72.3	30.1	1	10/22/12 16:14	10/24/12 01:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	84 %		57-130		1	10/22/12 16:14	10/24/12 01:56	1868-53-7	
Toluene-d8 (S)	102 %		54-133		1	10/22/12 16:14	10/24/12 01:56	2037-26-5	
4-Bromofluorobenzene (S)	83 %		49-130		1	10/22/12 16:14	10/24/12 01:56	460-00-4	

Percent Moisture Analytical Method: ASTM D2974-87

Percent Moisture 14.5 % 0.10 0.10 1 10/31/12 14:07

Sample: PZ2@5-7 Lab ID: 4069173014 Collected: 10/17/12 15:20 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/24/12 06:29	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/24/12 06:29	104-51-8	W
sec-Butylbenzene	168	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	135-98-8	
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	67-66-3	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: PZ2@5-7 Lab ID: 4069173014 Collected: 10/17/12 15:20 Received: 10/19/12 08:30 Matrix: Solid
 Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/24/12 06:29	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/24/12 06:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	594-20-7	W
1,1-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	108-20-3	W
Ethylbenzene	652	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	100-41-4	
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/24/12 06:29	87-68-3	W
Isopropylbenzene (Cumene)	166	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	98-82-8	
p-Isopropyltoluene	208	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	99-87-6	
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	1634-04-4	W
Naphthalene	599	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	91-20-3	
n-Propylbenzene	595	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	103-65-1	
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	96-18-4	W
1,2,4-Trimethylbenzene	4000	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	95-63-6	
1,3,5-Trimethylbenzene	1620	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	108-67-8	

Date: 11/01/2012 09:02 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: PZ2@5-7 Lab ID: 4069173014 Collected: 10/17/12 15:20 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 06:29	75-01-4	W
m&p-Xylene	1730	ug/kg	147	61.2	1	10/22/12 16:14	10/24/12 06:29	179601-23-1	
o-Xylene	713	ug/kg	73.4	30.6	1	10/22/12 16:14	10/24/12 06:29	95-47-6	
Surrogates									
Dibromofluoromethane (S)	81 %		57-130		1	10/22/12 16:14	10/24/12 06:29	1868-53-7	
Toluene-d8 (S)	89 %		54-133		1	10/22/12 16:14	10/24/12 06:29	2037-26-5	
4-Bromofluorobenzene (S)	81 %		49-130		1	10/22/12 16:14	10/24/12 06:29	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	18.3 %		0.10	0.10	1		10/31/12 14:07		

Sample: PZ2@7.5-9.5 Lab ID: 4069173015 Collected: 10/17/12 15:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-27-4	W
Bromoform	<25.9	ug/kg	60.0	25.9	1	10/22/12 16:14	10/24/12 02:19	75-25-2	L2,W
Bromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	74-83-9	W
n-Butylbenzene	<40.4	ug/kg	60.0	40.4	1	10/22/12 16:14	10/24/12 02:19	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	108-90-7	W
Chloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-00-3	L3,W
Chloroform	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	106-43-4	W
1,2-Dibromo-3-chloropropane	<82.3	ug/kg	250	82.3	1	10/22/12 16:14	10/24/12 02:19	96-12-8	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	74-95-3	W
1,2-Dichlorobenzene	<44.4	ug/kg	60.0	44.4	1	10/22/12 16:14	10/24/12 02:19	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	107-06-2	W



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

Sample: PZ2@7.5-9.5 Lab ID: 4069173015 Collected: 10/17/12 15:30 Received: 10/19/12 08:30 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	563-58-6	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	100-41-4	W
Hexachloro-1,3-butadiene	<26.4	ug/kg	60.0	26.4	1	10/22/12 16:14	10/24/12 02:19	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	99-87-6	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	1634-04-4	W
Naphthalene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	103-65-1	W
Styrene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	79-34-5	W
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	108-88-3	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	87-61-6	W
1,2,4-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-69-4	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	75-01-4	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/22/12 16:14	10/24/12 02:19	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/22/12 16:14	10/24/12 02:19	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	82 %		57-130		1	10/22/12 16:14	10/24/12 02:19	1868-53-7	
Toluene-d8 (S)	95 %		54-133		1	10/22/12 16:14	10/24/12 02:19	2037-26-5	
4-Bromofluorobenzene (S)	77 %		49-130		1	10/22/12 16:14	10/24/12 02:19	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.2 %		0.10	0.10	1		10/31/12 14:08		
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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

QC Batch: MSV/17352 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 4069173001, 4069173002, 4069173003, 4069173004, 4069173005, 4069173006, 4069173007, 4069173008,
 4069173009, 4069173010, 4069173011, 4069173012, 4069173013, 4069173014, 4069173015

METHOD BLANK: 698227 Matrix: Solid
 Associated Lab Samples: 4069173001, 4069173002, 4069173003, 4069173004, 4069173005, 4069173006, 4069173007, 4069173008,
 4069173009, 4069173010, 4069173011, 4069173012, 4069173013, 4069173014, 4069173015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1,1-Trichloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1,2-Trichloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1-Dichloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1-Dichloroethene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,1-Dichloropropene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2,3-Trichlorobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2,3-Trichloropropane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2,4-Trichlorobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2,4-Trimethylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2-Dibromo-3-chloropropane	ug/kg	<82.3	250	10/23/12 17:56	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2-Dichlorobenzene	ug/kg	<44.4	60.0	10/23/12 17:56	
1,2-Dichloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,2-Dichloropropane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,3,5-Trimethylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,3-Dichlorobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
1,3-Dichloropropane	ug/kg	<25.0	60.0	10/23/12 17:56	
1,4-Dichlorobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
2,2-Dichloropropane	ug/kg	<25.0	60.0	10/23/12 17:56	
2-Chlorotoluene	ug/kg	<25.0	60.0	10/23/12 17:56	
4-Chlorotoluene	ug/kg	<25.0	60.0	10/23/12 17:56	
Benzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Bromobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Bromochloromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Bromodichloromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Bromoform	ug/kg	<25.9	60.0	10/23/12 17:56	
Bromomethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Carbon tetrachloride	ug/kg	<25.0	60.0	10/23/12 17:56	
Chlorobenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Chloroethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Chloroform	ug/kg	<25.0	60.0	10/23/12 17:56	
Chloromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
cis-1,2-Dichloroethene	ug/kg	<25.0	60.0	10/23/12 17:56	
cis-1,3-Dichloropropene	ug/kg	<25.0	60.0	10/23/12 17:56	
Dibromochloromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Dibromomethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Dichlorodifluoromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Diisopropyl ether	ug/kg	<25.0	60.0	10/23/12 17:56	
Ethylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

METHOD BLANK: 698227 Matrix: Solid
 Associated Lab Samples: 4069173001, 4069173002, 4069173003, 4069173004, 4069173005, 4069173006, 4069173007, 4069173008,
 4069173009, 4069173010, 4069173011, 4069173012, 4069173013, 4069173014, 4069173015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<26.4	60.0	10/23/12 17:56	
Isopropylbenzene (Cumene)	ug/kg	<25.0	60.0	10/23/12 17:56	
m&p-Xylene	ug/kg	<50.0	120	10/23/12 17:56	
Methyl-tert-butyl ether	ug/kg	<25.0	60.0	10/23/12 17:56	
Methylene Chloride	ug/kg	<25.0	60.0	10/23/12 17:56	
n-Butylbenzene	ug/kg	<40.4	60.0	10/23/12 17:56	
n-Propylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Naphthalene	ug/kg	<25.0	60.0	10/23/12 17:56	
o-Xylene	ug/kg	<25.0	60.0	10/23/12 17:56	
p-Isopropyltoluene	ug/kg	<25.0	60.0	10/23/12 17:56	
sec-Butylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Styrene	ug/kg	<25.0	60.0	10/23/12 17:56	
tert-Butylbenzene	ug/kg	<25.0	60.0	10/23/12 17:56	
Tetrachloroethene	ug/kg	<25.0	60.0	10/23/12 17:56	
Toluene	ug/kg	<25.0	60.0	10/23/12 17:56	
trans-1,2-Dichloroethene	ug/kg	<25.0	60.0	10/23/12 17:56	
trans-1,3-Dichloropropene	ug/kg	<25.0	60.0	10/23/12 17:56	
Trichloroethene	ug/kg	<25.0	60.0	10/23/12 17:56	
Trichlorofluoromethane	ug/kg	<25.0	60.0	10/23/12 17:56	
Vinyl chloride	ug/kg	<25.0	60.0	10/23/12 17:56	
4-Bromofluorobenzene (S)	%	89	49-130	10/23/12 17:56	
Dibromofluoromethane (S)	%	88	57-130	10/23/12 17:56	
Toluene-d8 (S)	%	101	54-133	10/23/12 17:56	

LABORATORY CONTROL SAMPLE & LCSD: 698228		698229								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2230	2050	89	82	70-130	9	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2160	2190	87	88	70-130	1	20	
1,1,2-Trichloroethane	ug/kg	2500	2230	2440	89	98	70-130	9	20	
1,1-Dichloroethane	ug/kg	2500	2150	1890	86	76	70-130	13	20	
1,1-Dichloroethene	ug/kg	2500	2140	1930	85	77	64-130	10	20	
1,2,4-Trichlorobenzene	ug/kg	2500	2080	2190	83	87	68-130	5	20	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1570	1600	63	64	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/kg	2500	2270	2400	91	96	70-130	6	20	
1,2-Dichlorobenzene	ug/kg	2500	2380	2450	95	98	70-130	3	20	
1,2-Dichloroethane	ug/kg	2500	2240	1920	89	77	70-130	15	20	
1,2-Dichloropropane	ug/kg	2500	2170	2260	87	90	70-130	4	20	
1,3-Dichlorobenzene	ug/kg	2500	2430	2470	97	99	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	2500	2390	2490	96	99	70-130	4	20	
Benzene	ug/kg	2500	2440	2070	98	83	70-130	17	20	
Bromodichloromethane	ug/kg	2500	1950	2050	78	82	70-130	5	20	
Bromoform	ug/kg	2500	1510	1710	60	68	63-130	12	20	L0
Bromomethane	ug/kg	2500	3510	3030	140	121	41-142	15	20	

Date: 11/01/2012 09:02 AM

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4069173

LABORATORY CONTROL SAMPLE & LCSD:		698228		698229							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/kg	2500	1810	1980	72	79	70-130	9	20		
Chlorobenzene	ug/kg	2500	2450	2610	98	104	70-130	6	20		
Chloroethane	ug/kg	2500	3430	3080	137	123	57-130	11	20	LO	
Chloroform	ug/kg	2500	2480	2160	99	86	70-130	14	20		
Chloromethane	ug/kg	2500	1940	1710	78	69	57-130	12	20		
cis-1,2-Dichloroethene	ug/kg	2500	2320	2100	93	84	70-130	10	20		
cis-1,3-Dichloropropene	ug/kg	2500	1820	1930	73	77	70-130	6	20		
Dibromochloromethane	ug/kg	2500	1960	2130	78	85	70-130	9	20		
Dichlorodifluoromethane	ug/kg	2500	1570	1620	63	65	31-150	3	20		
Ethylbenzene	ug/kg	2500	2370	2540	95	102	65-137	7	20		
Isopropylbenzene (Cumene)	ug/kg	2500	2310	2510	92	101	70-130	9	20		
m&p-Xylene	ug/kg	5000	4880	5220	98	104	64-139	7	20		
Methyl-tert-butyl ether	ug/kg	2500	2060	1760	82	70	69-130	16	20		
Methylene Chloride	ug/kg	2500	2420	2100	97	84	70-130	14	20		
o-Xylene	ug/kg	2500	2410	2540	96	102	63-135	5	20		
Styrene	ug/kg	2500	2340	2520	93	101	69-130	8	20		
Tetrachloroethene	ug/kg	2500	2260	2540	91	102	70-130	11	20		
Toluene	ug/kg	2500	2510	2650	101	106	70-130	5	20		
trans-1,2-Dichloroethene	ug/kg	2500	2350	2040	94	82	70-130	14	20		
trans-1,3-Dichloropropene	ug/kg	2500	1840	2040	74	82	70-130	10	20		
Trichloroethene	ug/kg	2500	2290	2450	92	98	70-130	7	20		
Trichlorofluoromethane	ug/kg	2500	2240	2130	89	85	50-150	5	20		
Vinyl chloride	ug/kg	2500	2050	1860	82	75	57-130	9	20		
4-Bromofluorobenzene (S)	%				85	92	49-130				
Dibromofluoromethane (S)	%				93	89	57-130				
Toluene-d8 (S)	%				101	109	54-133				

QUALIFIERS

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
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.

BATCH QUALIFIERS

Batch: MSV/17353

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
W Non-detect results are reported on a wet weight basis.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 PIONEER BANK
Pace Project No.: 4069173

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4069173001	GP1@9-10	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173002	GP2@2-4	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173003	GP2@9-10	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173004	GP3@7-8	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173005	GP3@10-11	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173006	GP4@4-6	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173007	GP4@9-10	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173008	GP5@2-4	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173009	GP5@10-11	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173010	GP6@4-6	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173011	GP6@10-11	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173012	MW10@5-7	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173013	MW10@10-12	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173014	PZ2@5-7	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173015	PZ2@7.5-9.5	EPA 5035/5030B	MSV/17352	EPA 8260	MSV/17353
4069173001	GP1@9-10	ASTM D2974-87	PMST/7827		
4069173002	GP2@2-4	ASTM D2974-87	PMST/7827		
4069173003	GP2@9-10	ASTM D2974-87	PMST/7827		
4069173004	GP3@7-8	ASTM D2974-87	PMST/7827		
4069173005	GP3@10-11	ASTM D2974-87	PMST/7827		
4069173006	GP4@4-6	ASTM D2974-87	PMST/7827		
4069173007	GP4@9-10	ASTM D2974-87	PMST/7827		
4069173008	GP5@2-4	ASTM D2974-87	PMST/7827		
4069173009	GP5@10-11	ASTM D2974-87	PMST/7827		
4069173010	GP6@4-6	ASTM D2974-87	PMST/7827		
4069173011	GP6@10-11	ASTM D2974-87	PMST/7827		
4069173012	MW10@5-7	ASTM D2974-87	PMST/7827		
4069173013	MW10@10-12	ASTM D2974-87	PMST/7827		
4069173014	PZ2@5-7	ASTM D2974-87	PMST/7827		
4069173015	PZ2@7.5-9.5	ASTM D2974-87	PMST/7827		

November 15, 2012

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Dear DAVID LARSEN:

Enclosed are the analytical results for sample(s) received by the laboratory on November 10, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Steven Mleczek for
Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
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CERTIFICATIONS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4070402001	MW3	Water	11/07/12 13:30	11/10/12 07:55
4070402002	MW4	Water	11/07/12 15:00	11/10/12 07:55
4070402003	MW5	Water	11/07/12 11:30	11/10/12 07:55
4070402004	MW6	Water	11/07/12 13:15	11/10/12 07:55
4070402005	MW8	Water	11/07/12 15:30	11/10/12 07:55
4070402006	M10	Water	11/07/12 13:00	11/10/12 07:55
4070402007	MW S OF PZ1	Water	11/07/12 14:45	11/10/12 07:55
4070402008	MW E OF PZ1	Water	11/07/12 14:30	11/10/12 07:55
4070402009	PZ1	Water	11/07/12 14:40	11/10/12 07:55
4070402010	PZ2	Water	11/07/12 12:30	11/10/12 07:55

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4070402001	MW3	EPA 8260	SMT	64
4070402002	MW4	EPA 8260	SMT	64
4070402003	MW5	EPA 8260	SMT	64
4070402004	MW6	EPA 8260	SMT	64
4070402005	MW8	EPA 8260	SMT	64
4070402006	M10	EPA 8260	SMT	64
4070402007	MW S OF PZ1	EPA 8260	SMT	64
4070402008	MW E OF PZ1	EPA 8260	SMT	64
4070402009	PZ1	EPA 8260	SMT	64
4070402010	PZ2	EPA 8260	SMT	64

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW3 Lab ID: 4070402001 Collected: 11/07/12 13:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.41 ug/L		1.0	0.41	1		11/14/12 13:57	71-43-2	
Bromobenzene	<0.82 ug/L		1.0	0.82	1		11/14/12 13:57	108-86-1	
Bromochloromethane	<0.97 ug/L		1.0	0.97	1		11/14/12 13:57	74-97-5	
Bromodichloromethane	<0.56 ug/L		1.0	0.56	1		11/14/12 13:57	75-27-4	
Bromoform	<0.94 ug/L		1.0	0.94	1		11/14/12 13:57	75-25-2	
Bromomethane	<0.91 ug/L		1.0	0.91	1		11/14/12 13:57	74-83-9	
n-Butylbenzene	<0.93 ug/L		1.0	0.93	1		11/14/12 13:57	104-51-8	
sec-Butylbenzene	<0.89 ug/L		5.0	0.89	1		11/14/12 13:57	135-98-8	
tert-Butylbenzene	<0.97 ug/L		1.0	0.97	1		11/14/12 13:57	98-06-6	
Carbon tetrachloride	<0.49 ug/L		1.0	0.49	1		11/14/12 13:57	56-23-5	
Chlorobenzene	<0.41 ug/L		1.0	0.41	1		11/14/12 13:57	108-90-7	
Chloroethane	<0.97 ug/L		1.0	0.97	1		11/14/12 13:57	75-00-3	
Chloroform	<1.3 ug/L		5.0	1.3	1		11/14/12 13:57	67-66-3	
Chloromethane	<0.24 ug/L		1.0	0.24	1		11/14/12 13:57	74-87-3	
2-Chlorotoluene	<0.85 ug/L		1.0	0.85	1		11/14/12 13:57	95-49-8	
4-Chlorotoluene	<0.74 ug/L		1.0	0.74	1		11/14/12 13:57	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7 ug/L		5.0	1.7	1		11/14/12 13:57	96-12-8	
Dibromochloromethane	<0.81 ug/L		1.0	0.81	1		11/14/12 13:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.56 ug/L		1.0	0.56	1		11/14/12 13:57	106-93-4	
Dibromomethane	<0.60 ug/L		1.0	0.60	1		11/14/12 13:57	74-95-3	
1,2-Dichlorobenzene	<0.83 ug/L		1.0	0.83	1		11/14/12 13:57	95-50-1	
1,3-Dichlorobenzene	<0.87 ug/L		1.0	0.87	1		11/14/12 13:57	541-73-1	
1,4-Dichlorobenzene	<0.95 ug/L		1.0	0.95	1		11/14/12 13:57	106-46-7	
Dichlorodifluoromethane	<0.99 ug/L		1.0	0.99	1		11/14/12 13:57	75-71-8	
1,1-Dichloroethane	<0.75 ug/L		1.0	0.75	1		11/14/12 13:57	75-34-3	
1,2-Dichloroethane	<0.36 ug/L		1.0	0.36	1		11/14/12 13:57	107-06-2	
1,1-Dichloroethene	<0.57 ug/L		1.0	0.57	1		11/14/12 13:57	75-35-4	
cis-1,2-Dichloroethene	<0.83 ug/L		1.0	0.83	1		11/14/12 13:57	156-59-2	
trans-1,2-Dichloroethene	<0.89 ug/L		1.0	0.89	1		11/14/12 13:57	156-60-5	
1,2-Dichloropropane	<0.49 ug/L		1.0	0.49	1		11/14/12 13:57	78-87-5	
1,3-Dichloropropane	<0.61 ug/L		1.0	0.61	1		11/14/12 13:57	142-28-9	
2,2-Dichloropropane	<0.62 ug/L		1.0	0.62	1		11/14/12 13:57	594-20-7	
1,1-Dichloropropene	<0.75 ug/L		1.0	0.75	1		11/14/12 13:57	563-58-6	
cis-1,3-Dichloropropene	<0.20 ug/L		1.0	0.20	1		11/14/12 13:57	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19 ug/L		1.0	0.19	1		11/14/12 13:57	10061-02-6	
Diisopropyl ether	<0.76 ug/L		1.0	0.76	1		11/14/12 13:57	108-20-3	
Ethylbenzene	<0.54 ug/L		1.0	0.54	1		11/14/12 13:57	100-41-4	
Hexachloro-1,3-butadiene	<0.67 ug/L		5.0	0.67	1		11/14/12 13:57	87-68-3	
Isopropylbenzene (Cumene)	<0.59 ug/L		1.0	0.59	1		11/14/12 13:57	98-82-8	
p-Isopropyltoluene	<0.67 ug/L		1.0	0.67	1		11/14/12 13:57	99-87-6	
Methylene Chloride	<0.43 ug/L		1.0	0.43	1		11/14/12 13:57	75-09-2	
Methyl-tert-butyl ether	<0.61 ug/L		1.0	0.61	1		11/14/12 13:57	1634-04-4	
Naphthalene	<0.89 ug/L		5.0	0.89	1		11/14/12 13:57	91-20-3	
n-Propylbenzene	<0.81 ug/L		1.0	0.81	1		11/14/12 13:57	103-65-1	
Styrene	<0.86 ug/L		1.0	0.86	1		11/14/12 13:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92 ug/L		1.0	0.92	1		11/14/12 13:57	630-20-6	

Date: 11/15/2012 02:12 PM

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW3 Lab ID: 4070402001 Collected: 11/07/12 13:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 13:57	79-34-5	
Tetrachloroethene	<0.45	ug/L	1.0	0.45	1		11/14/12 13:57	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 13:57	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 13:57	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 13:57	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 13:57	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 13:57	79-00-5	
Trichloroethene	<0.48	ug/L	1.0	0.48	1		11/14/12 13:57	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 13:57	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 13:57	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 13:57	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 13:57	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 13:57	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 13:57	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 13:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	62 %		43-137		1		11/14/12 13:57	460-00-4	
Dibromofluoromethane (S)	92 %		70-130		1		11/14/12 13:57	1868-53-7	
Toluene-d8 (S)	82 %		55-137		1		11/14/12 13:57	2037-26-5	

Sample: MW4 Lab ID: 4070402002 Collected: 11/07/12 15:00 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	43.9	ug/L	4.0	1.6	4		11/14/12 18:51	71-43-2	
Bromobenzene	<3.3	ug/L	4.0	3.3	4		11/14/12 18:51	108-86-1	
Bromochloromethane	<3.9	ug/L	4.0	3.9	4		11/14/12 18:51	74-97-5	
Bromodichloromethane	<2.2	ug/L	4.0	2.2	4		11/14/12 18:51	75-27-4	
Bromoform	<3.8	ug/L	4.0	3.8	4		11/14/12 18:51	75-25-2	
Bromomethane	<3.6	ug/L	4.0	3.6	4		11/14/12 18:51	74-83-9	
n-Butylbenzene	<3.7	ug/L	4.0	3.7	4		11/14/12 18:51	104-51-8	
sec-Butylbenzene	6.3J	ug/L	20.0	3.6	4		11/14/12 18:51	135-98-8	
tert-Butylbenzene	<3.9	ug/L	4.0	3.9	4		11/14/12 18:51	98-06-6	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		11/14/12 18:51	56-23-5	
Chlorobenzene	<1.6	ug/L	4.0	1.6	4		11/14/12 18:51	108-90-7	
Chloroethane	<3.9	ug/L	4.0	3.9	4		11/14/12 18:51	75-00-3	
Chloroform	<5.2	ug/L	20.0	5.2	4		11/14/12 18:51	67-66-3	
Chloromethane	<0.96	ug/L	4.0	0.96	4		11/14/12 18:51	74-87-3	
2-Chlorotoluene	<3.4	ug/L	4.0	3.4	4		11/14/12 18:51	95-49-8	
4-Chlorotoluene	<3.0	ug/L	4.0	3.0	4		11/14/12 18:51	106-43-4	
1,2-Dibromo-3-chloropropane	<6.7	ug/L	20.0	6.7	4		11/14/12 18:51	96-12-8	
Dibromochloromethane	<3.2	ug/L	4.0	3.2	4		11/14/12 18:51	124-48-1	
1,2-Dibromoethane (EDB)	<2.2	ug/L	4.0	2.2	4		11/14/12 18:51	106-93-4	

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Sample: MW4 Lab ID: 4070402002 Collected: 11/07/12 15:00 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<2.4	ug/L	4.0	2.4	4		11/14/12 18:51	74-95-3	
1,2-Dichlorobenzene	<3.3	ug/L	4.0	3.3	4		11/14/12 18:51	95-50-1	
1,3-Dichlorobenzene	<3.5	ug/L	4.0	3.5	4		11/14/12 18:51	541-73-1	
1,4-Dichlorobenzene	<3.8	ug/L	4.0	3.8	4		11/14/12 18:51	106-46-7	
Dichlorodifluoromethane	<4.0	ug/L	4.0	4.0	4		11/14/12 18:51	75-71-8	
1,1-Dichloroethane	<3.0	ug/L	4.0	3.0	4		11/14/12 18:51	75-34-3	
1,2-Dichloroethane	<1.4	ug/L	4.0	1.4	4		11/14/12 18:51	107-06-2	
1,1-Dichloroethene	<2.3	ug/L	4.0	2.3	4		11/14/12 18:51	75-35-4	
cis-1,2-Dichloroethene	<3.3	ug/L	4.0	3.3	4		11/14/12 18:51	156-59-2	
trans-1,2-Dichloroethene	<3.6	ug/L	4.0	3.6	4		11/14/12 18:51	156-60-5	
1,2-Dichloropropane	<2.0	ug/L	4.0	2.0	4		11/14/12 18:51	78-87-5	
1,3-Dichloropropane	<2.4	ug/L	4.0	2.4	4		11/14/12 18:51	142-28-9	
2,2-Dichloropropane	<2.5	ug/L	4.0	2.5	4		11/14/12 18:51	594-20-7	
1,1-Dichloropropene	<3.0	ug/L	4.0	3.0	4		11/14/12 18:51	563-58-6	
cis-1,3-Dichloropropene	<0.80	ug/L	4.0	0.80	4		11/14/12 18:51	10061-01-5	L2
trans-1,3-Dichloropropene	<0.76	ug/L	4.0	0.76	4		11/14/12 18:51	10061-02-6	
Diisopropyl ether	<3.0	ug/L	4.0	3.0	4		11/14/12 18:51	108-20-3	
Ethylbenzene	521	ug/L	4.0	2.2	4		11/14/12 18:51	100-41-4	
Hexachloro-1,3-butadiene	<2.7	ug/L	20.0	2.7	4		11/14/12 18:51	87-68-3	
Isopropylbenzene (Cumene)	38.3	ug/L	4.0	2.4	4		11/14/12 18:51	98-82-8	
p-Isopropyltoluene	15.3	ug/L	4.0	2.7	4		11/14/12 18:51	99-87-6	
Methylene Chloride	<1.7	ug/L	4.0	1.7	4		11/14/12 18:51	75-09-2	
Methyl-tert-butyl ether	<2.4	ug/L	4.0	2.4	4		11/14/12 18:51	1634-04-4	
Naphthalene	205	ug/L	20.0	3.6	4		11/14/12 18:51	91-20-3	
n-Propylbenzene	49.3	ug/L	4.0	3.2	4		11/14/12 18:51	103-65-1	
Styrene	<3.4	ug/L	4.0	3.4	4		11/14/12 18:51	100-42-5	
1,1,1,2-Tetrachloroethane	<3.7	ug/L	4.0	3.7	4		11/14/12 18:51	630-20-6	
1,1,1,2,2-Tetrachloroethane	<0.80	ug/L	4.0	0.80	4		11/14/12 18:51	79-34-5	
Tetrachloroethene	<1.8	ug/L	4.0	1.8	4		11/14/12 18:51	127-18-4	
Toluene	209	ug/L	4.0	2.7	4		11/14/12 18:51	108-88-3	
1,2,3-Trichlorobenzene	<3.0	ug/L	4.0	3.0	4		11/14/12 18:51	87-61-6	
1,2,4-Trichlorobenzene	<3.9	ug/L	20.0	3.9	4		11/14/12 18:51	120-82-1	
1,1,1-Trichloroethane	<3.6	ug/L	4.0	3.6	4		11/14/12 18:51	71-55-6	
1,1,2-Trichloroethane	<1.7	ug/L	4.0	1.7	4		11/14/12 18:51	79-00-5	
Trichloroethene	<1.9	ug/L	4.0	1.9	4		11/14/12 18:51	79-01-6	
Trichlorofluoromethane	<3.2	ug/L	4.0	3.2	4		11/14/12 18:51	75-69-4	
1,2,3-Trichloropropane	<4.0	ug/L	4.0	4.0	4		11/14/12 18:51	96-18-4	
1,2,4-Trimethylbenzene	464	ug/L	4.0	3.9	4		11/14/12 18:51	95-63-6	
1,3,5-Trimethylbenzene	112	ug/L	4.0	3.3	4		11/14/12 18:51	108-67-8	
Vinyl chloride	<0.72	ug/L	4.0	0.72	4		11/14/12 18:51	75-01-4	
m&p-Xylene	723	ug/L	8.0	7.2	4		11/14/12 18:51	179601-23-1	
o-Xylene	219	ug/L	4.0	3.3	4		11/14/12 18:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	77 %		43-137		4		11/14/12 18:51	460-00-4	
Dibromofluoromethane (S)	98 %		70-130		4		11/14/12 18:51	1868-53-7	
Toluene-d8 (S)	80 %		55-137		4		11/14/12 18:51	2037-26-5	

Date: 11/15/2012 02:12 PM

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW5 Lab ID: 4070402003 Collected: 11/07/12 11:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	32.1	ug/L	25.0	10.2	25		11/14/12 10:12	71-43-2	
Bromobenzene	<20.5	ug/L	25.0	20.5	25		11/14/12 10:12	108-86-1	
Bromochloromethane	<24.2	ug/L	25.0	24.2	25		11/14/12 10:12	74-97-5	
Bromodichloromethane	<14.0	ug/L	25.0	14.0	25		11/14/12 10:12	75-27-4	
Bromoform	<23.5	ug/L	25.0	23.5	25		11/14/12 10:12	75-25-2	
Bromomethane	<22.8	ug/L	25.0	22.8	25		11/14/12 10:12	74-83-9	
n-Butylbenzene	<23.2	ug/L	25.0	23.2	25		11/14/12 10:12	104-51-8	
sec-Butylbenzene	<22.2	ug/L	125	22.2	25		11/14/12 10:12	135-98-8	
tert-Butylbenzene	<24.2	ug/L	25.0	24.2	25		11/14/12 10:12	98-06-6	
Carbon tetrachloride	<12.2	ug/L	25.0	12.2	25		11/14/12 10:12	56-23-5	
Chlorobenzene	<10.2	ug/L	25.0	10.2	25		11/14/12 10:12	108-90-7	
Chloroethane	<24.2	ug/L	25.0	24.2	25		11/14/12 10:12	75-00-3	
Chloroform	<32.5	ug/L	125	32.5	25		11/14/12 10:12	67-66-3	
Chloromethane	<6.0	ug/L	25.0	6.0	25		11/14/12 10:12	74-87-3	
2-Chlorotoluene	<21.2	ug/L	25.0	21.2	25		11/14/12 10:12	95-49-8	
4-Chlorotoluene	<18.5	ug/L	25.0	18.5	25		11/14/12 10:12	106-43-4	
1,2-Dibromo-3-chloropropane	<42.0	ug/L	125	42.0	25		11/14/12 10:12	96-12-8	
Dibromochloromethane	<20.2	ug/L	25.0	20.2	25		11/14/12 10:12	124-48-1	
1,2-Dibromoethane (EDB)	<14.0	ug/L	25.0	14.0	25		11/14/12 10:12	106-93-4	
Dibromomethane	<15.0	ug/L	25.0	15.0	25		11/14/12 10:12	74-95-3	
1,2-Dichlorobenzene	<20.8	ug/L	25.0	20.8	25		11/14/12 10:12	95-50-1	
1,3-Dichlorobenzene	<21.8	ug/L	25.0	21.8	25		11/14/12 10:12	541-73-1	
1,4-Dichlorobenzene	<23.8	ug/L	25.0	23.8	25		11/14/12 10:12	106-46-7	
Dichlorodifluoromethane	<24.8	ug/L	25.0	24.8	25		11/14/12 10:12	75-71-8	
1,1-Dichloroethane	<18.8	ug/L	25.0	18.8	25		11/14/12 10:12	75-34-3	
1,2-Dichloroethane	<9.0	ug/L	25.0	9.0	25		11/14/12 10:12	107-06-2	
1,1-Dichloroethene	<14.2	ug/L	25.0	14.2	25		11/14/12 10:12	75-35-4	
cis-1,2-Dichloroethene	2340	ug/L	25.0	20.8	25		11/14/12 10:12	156-59-2	
trans-1,2-Dichloroethene	32.0	ug/L	25.0	22.2	25		11/14/12 10:12	156-60-5	
1,2-Dichloropropane	<12.2	ug/L	25.0	12.2	25		11/14/12 10:12	78-87-5	
1,3-Dichloropropane	<15.2	ug/L	25.0	15.2	25		11/14/12 10:12	142-28-9	
2,2-Dichloropropane	<15.5	ug/L	25.0	15.5	25		11/14/12 10:12	594-20-7	
1,1-Dichloropropene	<18.8	ug/L	25.0	18.8	25		11/14/12 10:12	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	25.0	5.0	25		11/14/12 10:12	10061-01-5	L2
trans-1,3-Dichloropropene	<4.8	ug/L	25.0	4.8	25		11/14/12 10:12	10061-02-6	
Diisopropyl ether	<19.0	ug/L	25.0	19.0	25		11/14/12 10:12	108-20-3	
Ethylbenzene	<13.5	ug/L	25.0	13.5	25		11/14/12 10:12	100-41-4	
Hexachloro-1,3-butadiene	<16.8	ug/L	125	16.8	25		11/14/12 10:12	87-68-3	
Isopropylbenzene (Cumene)	<14.8	ug/L	25.0	14.8	25		11/14/12 10:12	98-82-8	
p-Isopropyltoluene	<16.8	ug/L	25.0	16.8	25		11/14/12 10:12	99-87-6	
Methylene Chloride	<10.8	ug/L	25.0	10.8	25		11/14/12 10:12	75-09-2	
Methyl-tert-butyl ether	<15.2	ug/L	25.0	15.2	25		11/14/12 10:12	1634-04-4	
Naphthalene	<22.2	ug/L	125	22.2	25		11/14/12 10:12	91-20-3	
n-Propylbenzene	<20.2	ug/L	25.0	20.2	25		11/14/12 10:12	103-65-1	
Styrene	<21.5	ug/L	25.0	21.5	25		11/14/12 10:12	100-42-5	
1,1,1,2-Tetrachloroethane	<23.0	ug/L	25.0	23.0	25		11/14/12 10:12	630-20-6	



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW5 Lab ID: 4070402003 Collected: 11/07/12 11:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<5.0	ug/L	25.0	5.0	25		11/14/12 10:12	79-34-5	
Tetrachloroethene	553	ug/L	25.0	11.2	25		11/14/12 10:12	127-18-4	
Toluene	<16.8	ug/L	25.0	16.8	25		11/14/12 10:12	108-88-3	
1,2,3-Trichlorobenzene	<18.5	ug/L	25.0	18.5	25		11/14/12 10:12	87-61-6	
1,2,4-Trichlorobenzene	<24.2	ug/L	125	24.2	25		11/14/12 10:12	120-82-1	
1,1,1-Trichloroethane	<22.5	ug/L	25.0	22.5	25		11/14/12 10:12	71-55-6	
1,1,2-Trichloroethane	<10.5	ug/L	25.0	10.5	25		11/14/12 10:12	79-00-5	
Trichloroethene	605	ug/L	25.0	12.0	25		11/14/12 10:12	79-01-6	
Trichlorofluoromethane	<19.8	ug/L	25.0	19.8	25		11/14/12 10:12	75-69-4	
1,2,3-Trichloropropane	<24.8	ug/L	25.0	24.8	25		11/14/12 10:12	96-18-4	
1,2,4-Trimethylbenzene	<24.2	ug/L	25.0	24.2	25		11/14/12 10:12	95-63-6	
1,3,5-Trimethylbenzene	<20.8	ug/L	25.0	20.8	25		11/14/12 10:12	108-67-8	
Vinyl chloride	<4.5	ug/L	25.0	4.5	25		11/14/12 10:12	75-01-4	
m&p-Xylene	<45.0	ug/L	50.0	45.0	25		11/14/12 10:12	179601-23-1	
o-Xylene	<20.8	ug/L	25.0	20.8	25		11/14/12 10:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	67 %		43-137		25		11/14/12 10:12	460-00-4	
Dibromofluoromethane (S)	96 %		70-130		25		11/14/12 10:12	1868-53-7	
Toluene-d8 (S)	87 %		55-137		25		11/14/12 10:12	2037-26-5	

Sample: MW6 Lab ID: 4070402004 Collected: 11/07/12 13:15 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.41	ug/L	1.0	0.41	1		11/14/12 09:27	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		11/14/12 09:27	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		11/14/12 09:27	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.0	0.56	1		11/14/12 09:27	75-27-4	
Bromoform	<0.94	ug/L	1.0	0.94	1		11/14/12 09:27	75-25-2	
Bromomethane	<0.91	ug/L	1.0	0.91	1		11/14/12 09:27	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		11/14/12 09:27	104-51-8	
sec-Butylbenzene	<0.89	ug/L	5.0	0.89	1		11/14/12 09:27	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 09:27	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		11/14/12 09:27	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		11/14/12 09:27	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		11/14/12 09:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/14/12 09:27	67-66-3	
Chloromethane	<0.24	ug/L	1.0	0.24	1		11/14/12 09:27	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		11/14/12 09:27	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		11/14/12 09:27	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.0	1.7	1		11/14/12 09:27	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		11/14/12 09:27	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.0	0.56	1		11/14/12 09:27	106-93-4	

Date: 11/15/2012 02:12 PM

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Sample: MW6 Lab ID: 4070402004 Collected: 11/07/12 13:15 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.60	ug/L	1.0	0.60	1		11/14/12 09:27	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:27	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		11/14/12 09:27	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		11/14/12 09:27	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		11/14/12 09:27	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		11/14/12 09:27	75-34-3	
1,2-Dichloroethane	<0.36	ug/L	1.0	0.36	1		11/14/12 09:27	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		11/14/12 09:27	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:27	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		11/14/12 09:27	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		11/14/12 09:27	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	1.0	0.61	1		11/14/12 09:27	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		11/14/12 09:27	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		11/14/12 09:27	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	1.0	0.20	1		11/14/12 09:27	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19	ug/L	1.0	0.19	1		11/14/12 09:27	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		11/14/12 09:27	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		11/14/12 09:27	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		11/14/12 09:27	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		11/14/12 09:27	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		11/14/12 09:27	99-87-6	
Methylene Chloride	<0.43	ug/L	1.0	0.43	1		11/14/12 09:27	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	1.0	0.61	1		11/14/12 09:27	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		11/14/12 09:27	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		11/14/12 09:27	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		11/14/12 09:27	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		11/14/12 09:27	630-20-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 09:27	79-34-5	
Tetrachloroethene	<0.45	ug/L	1.0	0.45	1		11/14/12 09:27	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 09:27	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 09:27	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 09:27	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 09:27	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 09:27	79-00-5	
Trichloroethene	<0.48	ug/L	1.0	0.48	1		11/14/12 09:27	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 09:27	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 09:27	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 09:27	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:27	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 09:27	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 09:27	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	66 %		43-137		1		11/14/12 09:27	460-00-4	
Dibromofluoromethane (S)	93 %		70-130		1		11/14/12 09:27	1868-53-7	
Toluene-d8 (S)	77 %		55-137		1		11/14/12 09:27	2037-26-5	



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW8 Lab ID: 4070402005 Collected: 11/07/12 15:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.41 ug/L		1.0	0.41	1		11/14/12 00:30	71-43-2	
Bromobenzene	<0.82 ug/L		1.0	0.82	1		11/14/12 00:30	108-86-1	
Bromochloromethane	<0.97 ug/L		1.0	0.97	1		11/14/12 00:30	74-97-5	
Bromodichloromethane	<0.56 ug/L		1.0	0.56	1		11/14/12 00:30	75-27-4	
Bromoform	<0.94 ug/L		1.0	0.94	1		11/14/12 00:30	75-25-2	
Bromomethane	<0.91 ug/L		1.0	0.91	1		11/14/12 00:30	74-83-9	
n-Butylbenzene	<0.93 ug/L		1.0	0.93	1		11/14/12 00:30	104-51-8	
sec-Butylbenzene	<0.89 ug/L		5.0	0.89	1		11/14/12 00:30	135-98-8	
tert-Butylbenzene	<0.97 ug/L		1.0	0.97	1		11/14/12 00:30	98-06-6	
Carbon tetrachloride	<0.49 ug/L		1.0	0.49	1		11/14/12 00:30	56-23-5	
Chlorobenzene	<0.41 ug/L		1.0	0.41	1		11/14/12 00:30	108-90-7	
Chloroethane	<0.97 ug/L		1.0	0.97	1		11/14/12 00:30	75-00-3	
Chloroform	<1.3 ug/L		5.0	1.3	1		11/14/12 00:30	67-66-3	
Chloromethane	<0.24 ug/L		1.0	0.24	1		11/14/12 00:30	74-87-3	
2-Chlorotoluene	<0.85 ug/L		1.0	0.85	1		11/14/12 00:30	95-49-8	
4-Chlorotoluene	<0.74 ug/L		1.0	0.74	1		11/14/12 00:30	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7 ug/L		5.0	1.7	1		11/14/12 00:30	96-12-8	
Dibromochloromethane	<0.81 ug/L		1.0	0.81	1		11/14/12 00:30	124-48-1	
1,2-Dibromoethane (EDB)	<0.56 ug/L		1.0	0.56	1		11/14/12 00:30	106-93-4	
Dibromomethane	<0.60 ug/L		1.0	0.60	1		11/14/12 00:30	74-95-3	
1,2-Dichlorobenzene	<0.83 ug/L		1.0	0.83	1		11/14/12 00:30	95-50-1	
1,3-Dichlorobenzene	<0.87 ug/L		1.0	0.87	1		11/14/12 00:30	541-73-1	
1,4-Dichlorobenzene	<0.95 ug/L		1.0	0.95	1		11/14/12 00:30	106-46-7	
Dichlorodifluoromethane	<0.99 ug/L		1.0	0.99	1		11/14/12 00:30	75-71-8	
1,1-Dichloroethane	<0.75 ug/L		1.0	0.75	1		11/14/12 00:30	75-34-3	
1,2-Dichloroethane	<0.36 ug/L		1.0	0.36	1		11/14/12 00:30	107-06-2	
1,1-Dichloroethene	<0.57 ug/L		1.0	0.57	1		11/14/12 00:30	75-35-4	
cis-1,2-Dichloroethene	<0.83 ug/L		1.0	0.83	1		11/14/12 00:30	156-59-2	
trans-1,2-Dichloroethene	<0.89 ug/L		1.0	0.89	1		11/14/12 00:30	156-60-5	
1,2-Dichloropropane	<0.49 ug/L		1.0	0.49	1		11/14/12 00:30	78-87-5	
1,3-Dichloropropane	<0.61 ug/L		1.0	0.61	1		11/14/12 00:30	142-28-9	
2,2-Dichloropropane	<0.62 ug/L		1.0	0.62	1		11/14/12 00:30	594-20-7	
1,1-Dichloropropene	<0.75 ug/L		1.0	0.75	1		11/14/12 00:30	563-58-6	
cis-1,3-Dichloropropene	<0.20 ug/L		1.0	0.20	1		11/14/12 00:30	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19 ug/L		1.0	0.19	1		11/14/12 00:30	10061-02-6	
Diisopropyl ether	<0.76 ug/L		1.0	0.76	1		11/14/12 00:30	108-20-3	
Ethylbenzene	<0.54 ug/L		1.0	0.54	1		11/14/12 00:30	100-41-4	
Hexachloro-1,3-butadiene	<0.67 ug/L		5.0	0.67	1		11/14/12 00:30	87-68-3	
Isopropylbenzene (Cumene)	<0.59 ug/L		1.0	0.59	1		11/14/12 00:30	98-82-8	
p-Isopropyltoluene	<0.67 ug/L		1.0	0.67	1		11/14/12 00:30	99-87-6	
Methylene Chloride	<0.43 ug/L		1.0	0.43	1		11/14/12 00:30	75-09-2	
Methyl-tert-butyl ether	<0.61 ug/L		1.0	0.61	1		11/14/12 00:30	1634-04-4	
Naphthalene	<0.89 ug/L		5.0	0.89	1		11/14/12 00:30	91-20-3	
n-Propylbenzene	<0.81 ug/L		1.0	0.81	1		11/14/12 00:30	103-65-1	
Styrene	<0.86 ug/L		1.0	0.86	1		11/14/12 00:30	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92 ug/L		1.0	0.92	1		11/14/12 00:30	630-20-6	

Date: 11/15/2012 02:12 PM

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: MW8		Lab ID: 4070402005	Collected: 11/07/12 15:30	Received: 11/10/12 07:55	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 00:30	79-34-5	
Tetrachloroethene	<0.45	ug/L	1.0	0.45	1		11/14/12 00:30	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 00:30	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 00:30	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 00:30	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 00:30	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 00:30	79-00-5	
Trichloroethene	<0.48	ug/L	1.0	0.48	1		11/14/12 00:30	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 00:30	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 00:30	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 00:30	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 00:30	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 00:30	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 00:30	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 00:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	67 %		43-137		1		11/14/12 00:30	460-00-4	
Dibromofluoromethane (S)	93 %		70-130		1		11/14/12 00:30	1868-53-7	
Toluene-d8 (S)	78 %		55-137		1		11/14/12 00:30	2037-26-5	

Sample: M10		Lab ID: 4070402006	Collected: 11/07/12 13:00	Received: 11/10/12 07:55	Matrix: Water				
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.41	ug/L	1.0	0.41	1		11/14/12 00:52	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		11/14/12 00:52	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		11/14/12 00:52	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.0	0.56	1		11/14/12 00:52	75-27-4	
Bromoform	<0.94	ug/L	1.0	0.94	1		11/14/12 00:52	75-25-2	
Bromomethane	<0.91	ug/L	1.0	0.91	1		11/14/12 00:52	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		11/14/12 00:52	104-51-8	
sec-Butylbenzene	<0.89	ug/L	5.0	0.89	1		11/14/12 00:52	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 00:52	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		11/14/12 00:52	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		11/14/12 00:52	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		11/14/12 00:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/14/12 00:52	67-66-3	
Chloromethane	<0.24	ug/L	1.0	0.24	1		11/14/12 00:52	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		11/14/12 00:52	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		11/14/12 00:52	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.0	1.7	1		11/14/12 00:52	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		11/14/12 00:52	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.0	0.56	1		11/14/12 00:52	106-93-4	



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: M10 Lab ID: 4070402006 Collected: 11/07/12 13:00 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.60	ug/L	1.0	0.60	1		11/14/12 00:52	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 00:52	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		11/14/12 00:52	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		11/14/12 00:52	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		11/14/12 00:52	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		11/14/12 00:52	75-34-3	
1,2-Dichloroethane	<0.36	ug/L	1.0	0.36	1		11/14/12 00:52	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		11/14/12 00:52	75-35-4	
cis-1,2-Dichloroethene	16.3	ug/L	1.0	0.83	1		11/14/12 00:52	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		11/14/12 00:52	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		11/14/12 00:52	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	1.0	0.61	1		11/14/12 00:52	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		11/14/12 00:52	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		11/14/12 00:52	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	1.0	0.20	1		11/14/12 00:52	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19	ug/L	1.0	0.19	1		11/14/12 00:52	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		11/14/12 00:52	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		11/14/12 00:52	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		11/14/12 00:52	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		11/14/12 00:52	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		11/14/12 00:52	99-87-6	
Methylene Chloride	<0.43	ug/L	1.0	0.43	1		11/14/12 00:52	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	1.0	0.61	1		11/14/12 00:52	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		11/14/12 00:52	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		11/14/12 00:52	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		11/14/12 00:52	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		11/14/12 00:52	630-20-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 00:52	79-34-5	
Tetrachloroethene	272	ug/L	1.0	0.45	1		11/14/12 00:52	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 00:52	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 00:52	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 00:52	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 00:52	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 00:52	79-00-5	
Trichloroethene	27.7	ug/L	1.0	0.48	1		11/14/12 00:52	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 00:52	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 00:52	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 00:52	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 00:52	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 00:52	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 00:52	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 00:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	66 %		43-137		1		11/14/12 00:52	460-00-4	
Dibromofluoromethane (S)	98 %		70-130		1		11/14/12 00:52	1868-53-7	
Toluene-d8 (S)	79 %		55-137		1		11/14/12 00:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Sample: MW S OF PZ1 Lab ID: 4070402007 Collected: 11/07/12 14:45 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.41	ug/L	1.0	0.41	1		11/14/12 09:50	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		11/14/12 09:50	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		11/14/12 09:50	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.0	0.56	1		11/14/12 09:50	75-27-4	
Bromoform	<0.94	ug/L	1.0	0.94	1		11/14/12 09:50	75-25-2	
Bromomethane	<0.91	ug/L	1.0	0.91	1		11/14/12 09:50	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		11/14/12 09:50	104-51-8	
sec-Butylbenzene	<0.89	ug/L	5.0	0.89	1		11/14/12 09:50	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 09:50	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		11/14/12 09:50	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		11/14/12 09:50	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		11/14/12 09:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/14/12 09:50	67-66-3	
Chloromethane	<0.24	ug/L	1.0	0.24	1		11/14/12 09:50	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		11/14/12 09:50	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		11/14/12 09:50	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.0	1.7	1		11/14/12 09:50	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		11/14/12 09:50	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.0	0.56	1		11/14/12 09:50	106-93-4	
Dibromomethane	<0.60	ug/L	1.0	0.60	1		11/14/12 09:50	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:50	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		11/14/12 09:50	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		11/14/12 09:50	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		11/14/12 09:50	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		11/14/12 09:50	75-34-3	
1,2-Dichloroethane	1.0	ug/L	1.0	0.36	1		11/14/12 09:50	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		11/14/12 09:50	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:50	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		11/14/12 09:50	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		11/14/12 09:50	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	1.0	0.61	1		11/14/12 09:50	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		11/14/12 09:50	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		11/14/12 09:50	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	1.0	0.20	1		11/14/12 09:50	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19	ug/L	1.0	0.19	1		11/14/12 09:50	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		11/14/12 09:50	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		11/14/12 09:50	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		11/14/12 09:50	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		11/14/12 09:50	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		11/14/12 09:50	99-87-6	
Methylene Chloride	<0.43	ug/L	1.0	0.43	1		11/14/12 09:50	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	1.0	0.61	1		11/14/12 09:50	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		11/14/12 09:50	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		11/14/12 09:50	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		11/14/12 09:50	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		11/14/12 09:50	630-20-6	

ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Sample: MW S OF PZ1 Lab ID: 4070402007 Collected: 11/07/12 14:45 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 09:50	79-34-5	
Tetrachloroethene	0.90J	ug/L	1.0	0.45	1		11/14/12 09:50	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 09:50	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 09:50	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 09:50	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 09:50	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 09:50	79-00-5	
Trichloroethene	1.4	ug/L	1.0	0.48	1		11/14/12 09:50	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 09:50	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 09:50	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 09:50	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:50	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 09:50	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 09:50	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 09:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	68 %		43-137		1		11/14/12 09:50	460-00-4	
Dibromofluoromethane (S)	94 %		70-130		1		11/14/12 09:50	1868-53-7	
Toluene-d8 (S)	85 %		55-137		1		11/14/12 09:50	2037-26-5	

Sample: MW E OF PZ1 Lab ID: 4070402008 Collected: 11/07/12 14:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.41	ug/L	1.0	0.41	1		11/14/12 01:37	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		11/14/12 01:37	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		11/14/12 01:37	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.0	0.56	1		11/14/12 01:37	75-27-4	
Bromoform	<0.94	ug/L	1.0	0.94	1		11/14/12 01:37	75-25-2	
Bromomethane	<0.91	ug/L	1.0	0.91	1		11/14/12 01:37	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		11/14/12 01:37	104-51-8	
sec-Butylbenzene	<0.89	ug/L	5.0	0.89	1		11/14/12 01:37	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 01:37	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		11/14/12 01:37	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		11/14/12 01:37	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		11/14/12 01:37	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/14/12 01:37	67-66-3	
Chloromethane	<0.24	ug/L	1.0	0.24	1		11/14/12 01:37	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		11/14/12 01:37	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		11/14/12 01:37	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.0	1.7	1		11/14/12 01:37	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		11/14/12 01:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.0	0.56	1		11/14/12 01:37	106-93-4	

Date: 11/15/2012 02:12 PM

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Sample: MW E OF PZ1 Lab ID: 4070402008 Collected: 11/07/12 14:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.60	ug/L	1.0	0.60	1		11/14/12 01:37	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 01:37	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		11/14/12 01:37	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		11/14/12 01:37	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		11/14/12 01:37	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		11/14/12 01:37	75-34-3	
1,2-Dichloroethane	<0.36	ug/L	1.0	0.36	1		11/14/12 01:37	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		11/14/12 01:37	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/L	1.0	0.83	1		11/14/12 01:37	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		11/14/12 01:37	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		11/14/12 01:37	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	1.0	0.61	1		11/14/12 01:37	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		11/14/12 01:37	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		11/14/12 01:37	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	1.0	0.20	1		11/14/12 01:37	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19	ug/L	1.0	0.19	1		11/14/12 01:37	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		11/14/12 01:37	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		11/14/12 01:37	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		11/14/12 01:37	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		11/14/12 01:37	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		11/14/12 01:37	99-87-6	
Methylene Chloride	<0.43	ug/L	1.0	0.43	1		11/14/12 01:37	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	1.0	0.61	1		11/14/12 01:37	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		11/14/12 01:37	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		11/14/12 01:37	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		11/14/12 01:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		11/14/12 01:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 01:37	79-34-5	
Tetrachloroethene	<0.45	ug/L	1.0	0.45	1		11/14/12 01:37	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 01:37	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 01:37	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 01:37	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 01:37	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 01:37	79-00-5	
Trichloroethene	<0.48	ug/L	1.0	0.48	1		11/14/12 01:37	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 01:37	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 01:37	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 01:37	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 01:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 01:37	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 01:37	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 01:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	69 %		43-137		1		11/14/12 01:37	460-00-4	
Dibromofluoromethane (S)	98 %		70-130		1		11/14/12 01:37	1868-53-7	
Toluene-d8 (S)	76 %		55-137		1		11/14/12 01:37	2037-26-5	



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: PZ1 Lab ID: 4070402009 Collected: 11/07/12 14:40 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.41 ug/L		1.0	0.41	1		11/14/12 02:00	71-43-2	
Bromobenzene	<0.82 ug/L		1.0	0.82	1		11/14/12 02:00	108-86-1	
Bromochloromethane	<0.97 ug/L		1.0	0.97	1		11/14/12 02:00	74-97-5	
Bromodichloromethane	<0.56 ug/L		1.0	0.56	1		11/14/12 02:00	75-27-4	
Bromoform	<0.94 ug/L		1.0	0.94	1		11/14/12 02:00	75-25-2	
Bromomethane	<0.91 ug/L		1.0	0.91	1		11/14/12 02:00	74-83-9	
n-Butylbenzene	<0.93 ug/L		1.0	0.93	1		11/14/12 02:00	104-51-8	
sec-Butylbenzene	<0.89 ug/L		5.0	0.89	1		11/14/12 02:00	135-98-8	
tert-Butylbenzene	<0.97 ug/L		1.0	0.97	1		11/14/12 02:00	98-06-6	
Carbon tetrachloride	<0.49 ug/L		1.0	0.49	1		11/14/12 02:00	56-23-5	
Chlorobenzene	<0.41 ug/L		1.0	0.41	1		11/14/12 02:00	108-90-7	
Chloroethane	<0.97 ug/L		1.0	0.97	1		11/14/12 02:00	75-00-3	
Chloroform	<1.3 ug/L		5.0	1.3	1		11/14/12 02:00	67-66-3	
Chloromethane	<0.24 ug/L		1.0	0.24	1		11/14/12 02:00	74-87-3	
2-Chlorotoluene	<0.85 ug/L		1.0	0.85	1		11/14/12 02:00	95-49-8	
4-Chlorotoluene	<0.74 ug/L		1.0	0.74	1		11/14/12 02:00	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7 ug/L		5.0	1.7	1		11/14/12 02:00	96-12-8	
Dibromochloromethane	<0.81 ug/L		1.0	0.81	1		11/14/12 02:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.56 ug/L		1.0	0.56	1		11/14/12 02:00	106-93-4	
Dibromomethane	<0.60 ug/L		1.0	0.60	1		11/14/12 02:00	74-95-3	
1,2-Dichlorobenzene	<0.83 ug/L		1.0	0.83	1		11/14/12 02:00	95-50-1	
1,3-Dichlorobenzene	<0.87 ug/L		1.0	0.87	1		11/14/12 02:00	541-73-1	
1,4-Dichlorobenzene	<0.95 ug/L		1.0	0.95	1		11/14/12 02:00	106-46-7	
Dichlorodifluoromethane	<0.99 ug/L		1.0	0.99	1		11/14/12 02:00	75-71-8	
1,1-Dichloroethane	<0.75 ug/L		1.0	0.75	1		11/14/12 02:00	75-34-3	
1,2-Dichloroethane	<0.36 ug/L		1.0	0.36	1		11/14/12 02:00	107-06-2	
1,1-Dichloroethene	<0.57 ug/L		1.0	0.57	1		11/14/12 02:00	75-35-4	
cis-1,2-Dichloroethene	<0.83 ug/L		1.0	0.83	1		11/14/12 02:00	156-59-2	
trans-1,2-Dichloroethene	<0.89 ug/L		1.0	0.89	1		11/14/12 02:00	156-60-5	
1,2-Dichloropropane	<0.49 ug/L		1.0	0.49	1		11/14/12 02:00	78-87-5	
1,3-Dichloropropane	<0.61 ug/L		1.0	0.61	1		11/14/12 02:00	142-28-9	
2,2-Dichloropropane	<0.62 ug/L		1.0	0.62	1		11/14/12 02:00	594-20-7	
1,1-Dichloropropene	<0.75 ug/L		1.0	0.75	1		11/14/12 02:00	563-58-6	
cis-1,3-Dichloropropene	<0.20 ug/L		1.0	0.20	1		11/14/12 02:00	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19 ug/L		1.0	0.19	1		11/14/12 02:00	10061-02-6	
Diisopropyl ether	<0.76 ug/L		1.0	0.76	1		11/14/12 02:00	108-20-3	
Ethylbenzene	<0.54 ug/L		1.0	0.54	1		11/14/12 02:00	100-41-4	
Hexachloro-1,3-butadiene	<0.67 ug/L		5.0	0.67	1		11/14/12 02:00	87-68-3	
Isopropylbenzene (Cumene)	<0.59 ug/L		1.0	0.59	1		11/14/12 02:00	98-82-8	
p-Isopropyltoluene	<0.67 ug/L		1.0	0.67	1		11/14/12 02:00	99-87-6	
Methylene Chloride	<0.43 ug/L		1.0	0.43	1		11/14/12 02:00	75-09-2	
Methyl-tert-butyl ether	<0.61 ug/L		1.0	0.61	1		11/14/12 02:00	1634-04-4	
Naphthalene	<0.89 ug/L		5.0	0.89	1		11/14/12 02:00	91-20-3	
n-Propylbenzene	<0.81 ug/L		1.0	0.81	1		11/14/12 02:00	103-65-1	
Styrene	<0.86 ug/L		1.0	0.86	1		11/14/12 02:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92 ug/L		1.0	0.92	1		11/14/12 02:00	630-20-6	

Date: 11/15/2012 02:12 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: PZ1 Lab ID: 4070402009 Collected: 11/07/12 14:40 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 02:00	79-34-5	
Tetrachloroethene	<0.45	ug/L	1.0	0.45	1		11/14/12 02:00	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 02:00	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 02:00	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 02:00	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 02:00	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 02:00	79-00-5	
Trichloroethene	<0.48	ug/L	1.0	0.48	1		11/14/12 02:00	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 02:00	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 02:00	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 02:00	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 02:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 02:00	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 02:00	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 02:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	68 %		43-137		1		11/14/12 02:00	460-00-4	
Dibromofluoromethane (S)	94 %		70-130		1		11/14/12 02:00	1868-53-7	
Toluene-d8 (S)	73 %		55-137		1		11/14/12 02:00	2037-26-5	

Sample: PZ2 Lab ID: 4070402010 Collected: 11/07/12 12:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.41	ug/L	1.0	0.41	1		11/14/12 14:20	71-43-2	
Bromobenzene	<0.82	ug/L	1.0	0.82	1		11/14/12 14:20	108-86-1	
Bromochloromethane	<0.97	ug/L	1.0	0.97	1		11/14/12 14:20	74-97-5	
Bromodichloromethane	<0.56	ug/L	1.0	0.56	1		11/14/12 14:20	75-27-4	
Bromoform	<0.94	ug/L	1.0	0.94	1		11/14/12 14:20	75-25-2	
Bromomethane	<0.91	ug/L	1.0	0.91	1		11/14/12 14:20	74-83-9	
n-Butylbenzene	<0.93	ug/L	1.0	0.93	1		11/14/12 14:20	104-51-8	
sec-Butylbenzene	<0.89	ug/L	5.0	0.89	1		11/14/12 14:20	135-98-8	
tert-Butylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 14:20	98-06-6	
Carbon tetrachloride	<0.49	ug/L	1.0	0.49	1		11/14/12 14:20	56-23-5	
Chlorobenzene	<0.41	ug/L	1.0	0.41	1		11/14/12 14:20	108-90-7	
Chloroethane	<0.97	ug/L	1.0	0.97	1		11/14/12 14:20	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		11/14/12 14:20	67-66-3	
Chloromethane	<0.24	ug/L	1.0	0.24	1		11/14/12 14:20	74-87-3	
2-Chlorotoluene	<0.85	ug/L	1.0	0.85	1		11/14/12 14:20	95-49-8	
4-Chlorotoluene	<0.74	ug/L	1.0	0.74	1		11/14/12 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	<1.7	ug/L	5.0	1.7	1		11/14/12 14:20	96-12-8	
Dibromochloromethane	<0.81	ug/L	1.0	0.81	1		11/14/12 14:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.56	ug/L	1.0	0.56	1		11/14/12 14:20	106-93-4	



ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Sample: PZ2 Lab ID: 4070402010 Collected: 11/07/12 12:30 Received: 11/10/12 07:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.60	ug/L	1.0	0.60	1		11/14/12 14:20	74-95-3	
1,2-Dichlorobenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 14:20	95-50-1	
1,3-Dichlorobenzene	<0.87	ug/L	1.0	0.87	1		11/14/12 14:20	541-73-1	
1,4-Dichlorobenzene	<0.95	ug/L	1.0	0.95	1		11/14/12 14:20	106-46-7	
Dichlorodifluoromethane	<0.99	ug/L	1.0	0.99	1		11/14/12 14:20	75-71-8	
1,1-Dichloroethane	<0.75	ug/L	1.0	0.75	1		11/14/12 14:20	75-34-3	
1,2-Dichloroethane	<0.36	ug/L	1.0	0.36	1		11/14/12 14:20	107-06-2	
1,1-Dichloroethene	<0.57	ug/L	1.0	0.57	1		11/14/12 14:20	75-35-4	
cis-1,2-Dichloroethene	<0.83	ug/L	1.0	0.83	1		11/14/12 14:20	156-59-2	
trans-1,2-Dichloroethene	<0.89	ug/L	1.0	0.89	1		11/14/12 14:20	156-60-5	
1,2-Dichloropropane	<0.49	ug/L	1.0	0.49	1		11/14/12 14:20	78-87-5	
1,3-Dichloropropane	<0.61	ug/L	1.0	0.61	1		11/14/12 14:20	142-28-9	
2,2-Dichloropropane	<0.62	ug/L	1.0	0.62	1		11/14/12 14:20	594-20-7	
1,1-Dichloropropene	<0.75	ug/L	1.0	0.75	1		11/14/12 14:20	563-58-6	
cis-1,3-Dichloropropene	<0.20	ug/L	1.0	0.20	1		11/14/12 14:20	10061-01-5	L2
trans-1,3-Dichloropropene	<0.19	ug/L	1.0	0.19	1		11/14/12 14:20	10061-02-6	
Diisopropyl ether	<0.76	ug/L	1.0	0.76	1		11/14/12 14:20	108-20-3	
Ethylbenzene	<0.54	ug/L	1.0	0.54	1		11/14/12 14:20	100-41-4	
Hexachloro-1,3-butadiene	<0.67	ug/L	5.0	0.67	1		11/14/12 14:20	87-68-3	
Isopropylbenzene (Cumene)	<0.59	ug/L	1.0	0.59	1		11/14/12 14:20	98-82-8	
p-Isopropyltoluene	<0.67	ug/L	1.0	0.67	1		11/14/12 14:20	99-87-6	
Methylene Chloride	<0.43	ug/L	1.0	0.43	1		11/14/12 14:20	75-09-2	
Methyl-tert-butyl ether	<0.61	ug/L	1.0	0.61	1		11/14/12 14:20	1634-04-4	
Naphthalene	<0.89	ug/L	5.0	0.89	1		11/14/12 14:20	91-20-3	
n-Propylbenzene	<0.81	ug/L	1.0	0.81	1		11/14/12 14:20	103-65-1	
Styrene	<0.86	ug/L	1.0	0.86	1		11/14/12 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.92	ug/L	1.0	0.92	1		11/14/12 14:20	630-20-6	
1,1,2,2-Tetrachloroethane	<0.20	ug/L	1.0	0.20	1		11/14/12 14:20	79-34-5	
Tetrachloroethene	2.1	ug/L	1.0	0.45	1		11/14/12 14:20	127-18-4	
Toluene	<0.67	ug/L	1.0	0.67	1		11/14/12 14:20	108-88-3	
1,2,3-Trichlorobenzene	<0.74	ug/L	1.0	0.74	1		11/14/12 14:20	87-61-6	
1,2,4-Trichlorobenzene	<0.97	ug/L	5.0	0.97	1		11/14/12 14:20	120-82-1	
1,1,1-Trichloroethane	<0.90	ug/L	1.0	0.90	1		11/14/12 14:20	71-55-6	
1,1,2-Trichloroethane	<0.42	ug/L	1.0	0.42	1		11/14/12 14:20	79-00-5	
Trichloroethene	0.93J	ug/L	1.0	0.48	1		11/14/12 14:20	79-01-6	
Trichlorofluoromethane	<0.79	ug/L	1.0	0.79	1		11/14/12 14:20	75-69-4	
1,2,3-Trichloropropane	<0.99	ug/L	1.0	0.99	1		11/14/12 14:20	96-18-4	
1,2,4-Trimethylbenzene	<0.97	ug/L	1.0	0.97	1		11/14/12 14:20	95-63-6	
1,3,5-Trimethylbenzene	<0.83	ug/L	1.0	0.83	1		11/14/12 14:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/14/12 14:20	75-01-4	
m&p-Xylene	<1.8	ug/L	2.0	1.8	1		11/14/12 14:20	179601-23-1	
o-Xylene	<0.83	ug/L	1.0	0.83	1		11/14/12 14:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	69 %		43-137		1		11/14/12 14:20	460-00-4	
Dibromofluoromethane (S)	93 %		70-130		1		11/14/12 14:20	1868-53-7	
Toluene-d8 (S)	87 %		55-137		1		11/14/12 14:20	2037-26-5	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

QC Batch: MSV/17640 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 4070402003, 4070402004, 4070402005, 4070402006, 4070402007, 4070402008, 4070402009

METHOD BLANK: 710840 Matrix: Water
 Associated Lab Samples: 4070402003, 4070402004, 4070402005, 4070402006, 4070402007, 4070402008, 4070402009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	11/13/12 15:55	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	11/13/12 15:55	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	11/13/12 15:55	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	11/13/12 15:55	
1,1-Dichloroethane	ug/L	<0.75	1.0	11/13/12 15:55	
1,1-Dichloroethene	ug/L	<0.57	1.0	11/13/12 15:55	
1,1-Dichloropropene	ug/L	<0.75	1.0	11/13/12 15:55	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	11/13/12 15:55	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	11/13/12 15:55	
1,2,4-Trichlorobenzene	ug/L	<0.97	5.0	11/13/12 15:55	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	11/13/12 15:55	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	11/13/12 15:55	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	11/13/12 15:55	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	11/13/12 15:55	
1,2-Dichloroethane	ug/L	<0.36	1.0	11/13/12 15:55	
1,2-Dichloropropane	ug/L	<0.49	1.0	11/13/12 15:55	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	11/13/12 15:55	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	11/13/12 15:55	
1,3-Dichloropropane	ug/L	<0.61	1.0	11/13/12 15:55	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	11/13/12 15:55	
2,2-Dichloropropane	ug/L	<0.62	1.0	11/13/12 15:55	
2-Chlorotoluene	ug/L	<0.85	1.0	11/13/12 15:55	
4-Chlorotoluene	ug/L	<0.74	1.0	11/13/12 15:55	
Benzene	ug/L	<0.41	1.0	11/13/12 15:55	
Bromobenzene	ug/L	<0.82	1.0	11/13/12 15:55	
Bromochloromethane	ug/L	<0.97	1.0	11/13/12 15:55	
Bromodichloromethane	ug/L	<0.56	1.0	11/13/12 15:55	
Bromoform	ug/L	<0.94	1.0	11/13/12 15:55	
Bromomethane	ug/L	<0.91	1.0	11/13/12 15:55	
Carbon tetrachloride	ug/L	<0.49	1.0	11/13/12 15:55	
Chlorobenzene	ug/L	<0.41	1.0	11/13/12 15:55	
Chloroethane	ug/L	<0.97	1.0	11/13/12 15:55	
Chloroform	ug/L	<1.3	5.0	11/13/12 15:55	
Chloromethane	ug/L	<0.24	1.0	11/13/12 15:55	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	11/13/12 15:55	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	11/13/12 15:55	
Dibromochloromethane	ug/L	<0.81	1.0	11/13/12 15:55	
Dibromomethane	ug/L	<0.60	1.0	11/13/12 15:55	
Dichlorodifluoromethane	ug/L	<0.99	1.0	11/13/12 15:55	
Diisopropyl ether	ug/L	<0.76	1.0	11/13/12 15:55	
Ethylbenzene	ug/L	<0.54	1.0	11/13/12 15:55	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	11/13/12 15:55	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	11/13/12 15:55	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

METHOD BLANK: 710840

Matrix: Water

Associated Lab Samples: 4070402003, 4070402004, 4070402005, 4070402006, 4070402007, 4070402008, 4070402009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	11/13/12 15:55	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	11/13/12 15:55	
Methylene Chloride	ug/L	<0.43	1.0	11/13/12 15:55	
n-Butylbenzene	ug/L	<0.93	1.0	11/13/12 15:55	
n-Propylbenzene	ug/L	<0.81	1.0	11/13/12 15:55	
Naphthalene	ug/L	<0.89	5.0	11/13/12 15:55	
o-Xylene	ug/L	<0.83	1.0	11/13/12 15:55	
p-Isopropyltoluene	ug/L	<0.67	1.0	11/13/12 15:55	
sec-Butylbenzene	ug/L	<0.89	5.0	11/13/12 15:55	
Styrene	ug/L	<0.86	1.0	11/13/12 15:55	
tert-Butylbenzene	ug/L	<0.97	1.0	11/13/12 15:55	
Tetrachloroethene	ug/L	<0.45	1.0	11/13/12 15:55	
Toluene	ug/L	<0.67	1.0	11/13/12 15:55	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	11/13/12 15:55	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	11/13/12 15:55	
Trichloroethene	ug/L	<0.48	1.0	11/13/12 15:55	
Trichlorofluoromethane	ug/L	<0.79	1.0	11/13/12 15:55	
Vinyl chloride	ug/L	<0.18	1.0	11/13/12 15:55	
4-Bromofluorobenzene (S)	%	68	43-137	11/13/12 15:55	
Dibromofluoromethane (S)	%	95	70-130	11/13/12 15:55	
Toluene-d8 (S)	%	81	55-137	11/13/12 15:55	

LABORATORY CONTROL SAMPLE & LCS: 710841

710842

Parameter	Units	Spike Conc.	LCS Result	LCS Result	LCS % Rec	LCS % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.5	55.0	105	110	70-136	5	20	
1,1,2,2-Tetrachloroethane	ug/L	50	40.2	40.2	80	80	70-130	0	20	
1,1,2-Trichloroethane	ug/L	50	42.8	43.2	86	86	70-130	1	20	
1,1-Dichloroethane	ug/L	50	45.0	47.0	90	94	70-146	4	20	
1,1-Dichloroethene	ug/L	50	53.6	55.7	107	111	70-130	4	20	
1,2,4-Trichlorobenzene	ug/L	50	50.2	50.1	100	100	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	50	32.2	33.3	64	67	46-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	50	54.9	56.7	110	113	70-130	3	20	
1,2-Dichlorobenzene	ug/L	50	54.9	52.1	110	104	70-130	5	20	
1,2-Dichloroethane	ug/L	50	42.2	43.3	84	87	70-144	3	20	
1,2-Dichloropropane	ug/L	50	43.0	41.5	86	83	70-136	4	20	
1,3-Dichlorobenzene	ug/L	50	51.6	51.6	103	103	70-130	0	20	
1,4-Dichlorobenzene	ug/L	50	55.5	54.2	111	108	70-130	2	20	
Benzene	ug/L	50	42.5	41.1	85	82	70-137	3	20	
Bromodichloromethane	ug/L	50	45.9	45.7	92	91	70-133	0	20	
Bromoform	ug/L	50	50.3	49.9	101	100	59-130	1	20	
Bromomethane	ug/L	50	42.5	46.7	85	93	41-148	9	20	
Carbon tetrachloride	ug/L	50	65.8	69.1	132	138	70-154	5	20	
Chlorobenzene	ug/L	50	51.2	52.4	102	105	70-130	2	20	
Chloroethane	ug/L	50	44.6	44.6	89	89	70-139	0	20	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

LABORATORY CONTROL SAMPLE & LCSD:		710841	710842							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/L	50	47.4	49.2	95	98	70-130	4	20	
Chloromethane	ug/L	50	50.7	51.4	101	103	45-154	1	20	
cis-1,2-Dichloroethene	ug/L	50	51.2	55.1	102	110	70-130	7	20	
cis-1,3-Dichloropropene	ug/L	50	33.7	33.4	67	67	70-136	1	20	LO
Dibromochloromethane	ug/L	50	54.1	54.5	108	109	70-130	1	20	
Dichlorodifluoromethane	ug/L	50	41.5	39.2	83	78	20-157	6	20	
Ethylbenzene	ug/L	50	47.8	48.2	96	96	70-130	1	20	
Isopropylbenzene (Cumene)	ug/L	50	57.7	57.5	115	115	70-130	0	20	
m&p-Xylene	ug/L	100	112	115	112	115	70-130	3	20	
Methyl-tert-butyl ether	ug/L	50	40.2	40.7	80	81	59-141	1	20	
Methylene Chloride	ug/L	50	46.8	47.7	94	95	70-130	2	20	
o-Xylene	ug/L	50	53.6	53.6	107	107	70-130	0	20	
Styrene	ug/L	50	50.3	52.1	101	104	70-130	3	20	
Tetrachloroethene	ug/L	50	53.6	55.6	107	111	70-130	4	20	
Toluene	ug/L	50	46.8	47.8	94	96	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	53.9	54.9	108	110	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	50	34.1	34.3	68	69	55-135	1	20	
Trichloroethene	ug/L	50	49.0	49.8	98	100	70-130	2	20	
Trichlorofluoromethane	ug/L	50	57.9	59.8	116	120	50-150	3	20	
Vinyl chloride	ug/L	50	46.4	47.0	93	94	61-143	1	20	
4-Bromofluorobenzene (S)	%				82	83	43-137			
Dibromofluoromethane (S)	%				96	96	70-130			
Toluene-d8 (S)	%				80	80	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		710958	710959									
Parameter	Units	4070392007 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	<0.90	50	50	53.4	55.1	105	109	70-136	3	20	
1,1,2,2-Tetrachloroethane	ug/L				39.3	39.5				0	20	
1,1,2-Trichloroethane	ug/L	<0.42	50	50	42.1	42.3	84	85	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.75	50	50	43.8	46.7	88	93	70-146	6	20	
1,1-Dichloroethene	ug/L	<0.57	50	50	53.5	55.3	106	110	70-130	3	20	
1,2,4-Trichlorobenzene	ug/L				49.3	48.9				1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	50	50	33.9	32.6	68	65	46-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.56	50	50	55.0	56.2	110	112	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.83	50	50	52.2	52.2	104	104	70-130	0	20	
1,2-Dichloroethane	ug/L	<0.36	50	50	43.6	44.4	87	89	70-146	2	20	
1,2-Dichloropropane	ug/L	<0.49	50	50	41.9	41.6	84	83	70-136	1	20	
1,3-Dichlorobenzene	ug/L	<0.87	50	50	51.2	50.5	102	101	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.95	50	50	53.6	52.4	107	105	70-130	2	20	
Benzene	ug/L	<0.41	50	50	41.3	42.7	83	85	70-137	3	20	
Bromodichloromethane	ug/L	<0.56	50	50	46.1	45.7	92	91	70-133	1	20	
Bromoform	ug/L	<0.94	50	50	48.6	49.9	97	100	57-130	2	20	
Bromomethane	ug/L	<0.91	50	50	45.5	48.0	89	94	41-148	5	20	
Carbon tetrachloride	ug/L	<0.49	50	50	66.9	68.1	134	136	70-154	2	20	
Chlorobenzene	ug/L	<0.41	50	50	51.6	50.7	103	101	70-130	2	20	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Parameter	Units	4070392007		710958		710959		% Rec	% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result									
Chloroethane	ug/L	<0.97	50	50	43.5	43.5	87	87	70-140	0	20				
Chloroform	ug/L	<1.3	50	50	47.8	49.6	95	98	70-130	4	20				
Chloromethane	ug/L	<0.24	50	50	48.5	50.3	97	101	45-154	3	20				
cis-1,2-Dichloroethene	ug/L	<0.83	50	50	53.7	53.4	107	107	70-130	0	20				
cis-1,3-Dichloropropene	ug/L	<0.20	50	50	33.9	34.3	68	69	70-136	1	20	MO			
Dibromochloromethane	ug/L	<0.81	50	50	54.3	52.2	109	104	70-130	4	20				
Dichlorodifluoromethane	ug/L	<0.99	50	50	35.7	36.7	71	73	10-157	3	20				
Ethylbenzene	ug/L	<0.54	50	50	47.0	46.3	94	93	70-130	2	20				
Isopropylbenzene (Cumene)	ug/L				57.0	56.4				1	20				
m&p-Xylene	ug/L	<1.8	100	100	109	112	109	112	70-130	3	20				
Methyl-tert-butyl ether	ug/L	<0.61	50	50	39.3	41.0	78	82	59-141	4	20				
Methylene Chloride	ug/L	<0.43	50	50	44.8	47.9	89	95	70-130	7	20				
o-Xylene	ug/L	<0.83	50	50	52.5	52.5	105	105	70-130	0	20				
Styrene	ug/L	<0.86	50	50	48.1	48.7	96	97	35-164	1	20				
Tetrachloroethene	ug/L	1.4	50	50	56.1	53.9	109	105	70-130	4	20				
Toluene	ug/L	<0.67	50	50	46.5	46.7	93	93	70-130	1	20				
trans-1,2-Dichloroethene	ug/L	<0.89	50	50	52.6	55.5	105	111	70-130	5	20				
trans-1,3-Dichloropropene	ug/L	<0.19	50	50	34.1	34.3	68	69	55-137	1	20				
Trichloroethene	ug/L	<0.48	50	50	48.8	49.5	98	99	70-130	1	20				
Trichlorofluoromethane	ug/L	<0.79	50	50	56.8	59.2	113	118	50-150	4	20				
Vinyl chloride	ug/L	<0.18	50	50	43.5	45.7	87	91	59-144	5	20				
4-Bromofluorobenzene (S)	%						84	83	43-137						
Dibromofluoromethane (S)	%						94	96	70-130						
Toluene-d8 (S)	%						80	79	55-137						

QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

QC Batch: MSV/17641 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4070402001, 4070402002, 4070402010

METHOD BLANK: 710844 Matrix: Water
Associated Lab Samples: 4070402001, 4070402002, 4070402010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	11/14/12 07:13	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	11/14/12 07:13	
1,1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	11/14/12 07:13	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	11/14/12 07:13	
1,1-Dichloroethane	ug/L	<0.75	1.0	11/14/12 07:13	
1,1-Dichloroethene	ug/L	<0.57	1.0	11/14/12 07:13	
1,1-Dichloropropene	ug/L	<0.75	1.0	11/14/12 07:13	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	11/14/12 07:13	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	11/14/12 07:13	
1,2,4-Trichlorobenzene	ug/L	<0.97	5.0	11/14/12 07:13	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	11/14/12 07:13	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	11/14/12 07:13	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	11/14/12 07:13	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	11/14/12 07:13	
1,2-Dichloroethane	ug/L	<0.36	1.0	11/14/12 07:13	
1,2-Dichloropropane	ug/L	<0.49	1.0	11/14/12 07:13	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	11/14/12 07:13	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	11/14/12 07:13	
1,3-Dichloropropane	ug/L	<0.61	1.0	11/14/12 07:13	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	11/14/12 07:13	
2,2-Dichloropropane	ug/L	<0.62	1.0	11/14/12 07:13	
2-Chlorotoluene	ug/L	<0.85	1.0	11/14/12 07:13	
4-Chlorotoluene	ug/L	<0.74	1.0	11/14/12 07:13	
Benzene	ug/L	<0.41	1.0	11/14/12 07:13	
Bromobenzene	ug/L	<0.82	1.0	11/14/12 07:13	
Bromochloromethane	ug/L	<0.97	1.0	11/14/12 07:13	
Bromodichloromethane	ug/L	<0.56	1.0	11/14/12 07:13	
Bromoform	ug/L	<0.94	1.0	11/14/12 07:13	
Bromomethane	ug/L	<0.91	1.0	11/14/12 07:13	
Carbon tetrachloride	ug/L	<0.49	1.0	11/14/12 07:13	
Chlorobenzene	ug/L	<0.41	1.0	11/14/12 07:13	
Chloroethane	ug/L	<0.97	1.0	11/14/12 07:13	
Chloroform	ug/L	<1.3	5.0	11/14/12 07:13	
Chloromethane	ug/L	<0.24	1.0	11/14/12 07:13	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	11/14/12 07:13	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	11/14/12 07:13	
Dibromochloromethane	ug/L	<0.81	1.0	11/14/12 07:13	
Dibromomethane	ug/L	<0.60	1.0	11/14/12 07:13	
Dichlorodifluoromethane	ug/L	<0.99	1.0	11/14/12 07:13	
Diisopropyl ether	ug/L	<0.76	1.0	11/14/12 07:13	
Ethylbenzene	ug/L	<0.54	1.0	11/14/12 07:13	
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	11/14/12 07:13	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	11/14/12 07:13	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

METHOD BLANK: 710844 Matrix: Water
 Associated Lab Samples: 4070402001, 4070402002, 4070402010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<1.8	2.0	11/14/12 07:13	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	11/14/12 07:13	
Methylene Chloride	ug/L	<0.43	1.0	11/14/12 07:13	
n-Butylbenzene	ug/L	<0.93	1.0	11/14/12 07:13	
n-Propylbenzene	ug/L	<0.81	1.0	11/14/12 07:13	
Naphthalene	ug/L	<0.89	5.0	11/14/12 07:13	
o-Xylene	ug/L	<0.83	1.0	11/14/12 07:13	
p-Isopropyltoluene	ug/L	<0.67	1.0	11/14/12 07:13	
sec-Butylbenzene	ug/L	<0.89	5.0	11/14/12 07:13	
Styrene	ug/L	<0.86	1.0	11/14/12 07:13	
tert-Butylbenzene	ug/L	<0.97	1.0	11/14/12 07:13	
Tetrachloroethene	ug/L	<0.45	1.0	11/14/12 07:13	
Toluene	ug/L	<0.67	1.0	11/14/12 07:13	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	11/14/12 07:13	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	11/14/12 07:13	
Trichloroethene	ug/L	<0.48	1.0	11/14/12 07:13	
Trichlorofluoromethane	ug/L	<0.79	1.0	11/14/12 07:13	
Vinyl chloride	ug/L	<0.18	1.0	11/14/12 07:13	
4-Bromofluorobenzene (S)	%	67	43-137	11/14/12 07:13	
Dibromofluoromethane (S)	%	92	70-130	11/14/12 07:13	
Toluene-d8 (S)	%	83	55-137	11/14/12 07:13	

LABORATORY CONTROL SAMPLE & LCSD: 710845

710846

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.2	52.3	102	105	70-136	2	20	
1,1,2,2-Tetrachloroethane	ug/L	50	40.8	39.7	82	79	70-130	3	20	
1,1,2-Trichloroethane	ug/L	50	42.7	41.9	85	84	70-130	2	20	
1,1-Dichloroethane	ug/L	50	41.5	43.4	83	87	70-146	4	20	
1,1-Dichloroethene	ug/L	50	50.5	51.3	101	103	70-130	2	20	
1,2,4-Trichlorobenzene	ug/L	50	49.8	51.3	100	103	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	50	34.3	32.9	69	66	46-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	50	54.3	54.7	109	109	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	54.7	53.7	109	107	70-130	2	20	
1,2-Dichloroethane	ug/L	50	41.5	41.2	83	82	70-144	1	20	
1,2-Dichloropropane	ug/L	50	42.2	40.0	84	80	70-136	5	20	
1,3-Dichlorobenzene	ug/L	50	53.3	51.8	107	104	70-130	3	20	
1,4-Dichlorobenzene	ug/L	50	56.0	54.5	112	109	70-130	3	20	
Benzene	ug/L	50	36.7	38.9	73	78	70-137	6	20	
Bromodichloromethane	ug/L	50	43.6	44.3	87	89	70-133	2	20	
Bromoform	ug/L	50	49.9	49.3	100	99	59-130	1	20	
Bromomethane	ug/L	50	35.4	38.9	71	78	41-148	9	20	
Carbon tetrachloride	ug/L	50	63.7	66.8	127	134	70-154	5	20	
Chlorobenzene	ug/L	50	52.4	51.6	105	103	70-130	2	20	
Chloroethane	ug/L	50	39.1	41.1	78	82	70-139	5	20	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

LABORATORY CONTROL SAMPLE & LCSD:		710845	710846							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/L	50	45.5	48.4	91	97	70-130	6	20	
Chloromethane	ug/L	50	43.3	44.4	87	89	45-154	3	20	
cis-1,2-Dichloroethene	ug/L	50	48.7	51.8	97	104	70-130	6	20	
cis-1,3-Dichloropropene	ug/L	50	31.4	34.1	63	68	70-136	8	20	LO
Dibromochloromethane	ug/L	50	54.4	53.4	109	107	70-130	2	20	
Dichlorodifluoromethane	ug/L	50	32.9	35.5	66	71	20-157	8	20	
Ethylbenzene	ug/L	50	47.6	47.6	95	95	70-130	0	20	
Isopropylbenzene (Cumene)	ug/L	50	57.3	56.1	115	112	70-130	2	20	
m&p-Xylene	ug/L	100	113	111	113	111	70-130	2	20	
Methyl-tert-butyl ether	ug/L	50	36.4	37.7	73	75	59-141	3	20	
Methylene Chloride	ug/L	50	42.9	43.8	86	88	70-130	2	20	
o-Xylene	ug/L	50	52.6	52.1	105	104	70-130	1	20	
Styrene	ug/L	50	50.1	49.9	100	100	70-130	0	20	
Tetrachloroethene	ug/L	50	56.6	53.9	113	108	70-130	5	20	
Toluene	ug/L	50	47.3	46.4	95	93	70-130	2	20	
trans-1,2-Dichloroethene	ug/L	50	49.8	51.5	100	103	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	50	35.5	34.3	71	69	55-135	3	20	
Trichloroethene	ug/L	50	47.7	48.5	95	97	70-130	2	20	
Trichlorofluoromethane	ug/L	50	53.6	55.7	107	111	50-150	4	20	
Vinyl chloride	ug/L	50	40.1	41.6	80	83	61-143	4	20	
4-Bromofluorobenzene (S)	%				82	80	43-137			
Dibromofluoromethane (S)	%				94	96	70-130			
Toluene-d8 (S)	%				82	82	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		710847	710848									
Parameter	Units	4070352002 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual	
			Spike Conc.	Spike Conc.								
1,1,1-Trichloroethane	ug/L	ND	50	50	52.6	55.2	105	110	70-136	5	20	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	41.1	41.9	82	84	70-130	2	20	
1,1,2-Trichloroethane	ug/L	ND	50	50	42.6	42.6	85	85	70-130	0	20	
1,1-Dichloroethane	ug/L	ND	50	50	42.8	46.1	86	92	70-146	7	20	
1,1-Dichloroethene	ug/L	ND	50	50	52.8	56.7	106	113	70-130	7	20	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	53.1	53.9	106	108	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	36.0	38.3	72	77	46-150	6	20	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	53.9	55.9	108	112	70-130	4	20	
1,2-Dichlorobenzene	ug/L	ND	50	50	55.9	56.7	112	113	70-130	2	20	
1,2-Dichloroethane	ug/L	ND	50	50	40.6	43.7	81	87	70-146	7	20	
1,2-Dichloropropane	ug/L	ND	50	50	42.9	41.7	86	83	70-136	3	20	
1,3-Dichlorobenzene	ug/L	ND	50	50	54.7	55.3	109	111	70-130	1	20	
1,4-Dichlorobenzene	ug/L	ND	50	50	57.4	57.7	115	115	70-130	1	20	
Benzene	ug/L	ND	50	50	40.7	39.1	81	78	70-137	4	20	
Bromodichloromethane	ug/L	ND	50	50	45.7	46.0	91	92	70-133	1	20	
Bromoform	ug/L	ND	50	50	51.0	51.3	102	103	57-130	0	20	
Bromomethane	ug/L	ND	50	50	44.3	48.1	89	96	41-148	8	20	
Carbon tetrachloride	ug/L	ND	50	50	66.1	70.5	132	141	70-154	6	20	
Chlorobenzene	ug/L	ND	50	50	52.9	52.4	106	105	70-130	1	20	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4070402

Parameter	Units	4070352002		710847		710848		% Rec	MSD	% Rec	MSD	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result										
Chloroethane	ug/L	ND	50	50	43.9	47.1	88	94	70-140	7	20					
Chloroform	ug/L	ND	50	50	46.3	48.7	93	97	70-130	5	20					
Chloromethane	ug/L	ND	50	50	52.8	56.6	106	113	45-154	7	20					
cis-1,2-Dichloroethene	ug/L	ND	50	50	51.2	53.9	102	108	70-130	5	20					
cis-1,3-Dichloropropene	ug/L	ND	50	50	34.5	33.2	69	66	70-136	4	20	M0				
Dibromochloromethane	ug/L	ND	50	50	54.7	55.1	109	110	70-130	1	20					
Dichlorodifluoromethane	ug/L	ND	50	50	49.5	52.9	99	106	10-157	7	20					
Ethylbenzene	ug/L	ND	50	50	48.0	49.0	96	98	70-130	2	20					
Isopropylbenzene (Cumene)	ug/L	ND	50	50	57.7	58.9	115	118	70-130	2	20					
m&p-Xylene	ug/L	ND	100	100	114	114	114	114	70-130	0	20					
Methyl-tert-butyl ether	ug/L	ND	50	50	38.5	40.7	77	81	59-141	5	20					
Methylene Chloride	ug/L	ND	50	50	44.0	46.4	88	93	70-130	5	20					
o-Xylene	ug/L	ND	50	50	52.5	53.4	105	107	70-130	2	20					
Styrene	ug/L	ND	50	50	51.0	51.7	102	103	35-164	1	20					
Tetrachloroethene	ug/L	ND	50	50	54.4	55.6	109	111	70-130	2	20					
Toluene	ug/L	ND	50	50	47.2	47.5	94	95	70-130	1	20					
trans-1,2-Dichloroethene	ug/L	ND	50	50	51.8	55.1	104	110	70-130	6	20					
trans-1,3-Dichloropropene	ug/L	ND	50	50	36.1	35.2	72	70	55-137	2	20					
Trichloroethene	ug/L	ND	50	50	48.8	48.9	98	98	70-130	0	20					
Trichlorofluoromethane	ug/L	ND	50	50	58.3	61.2	117	122	50-150	5	20					
Vinyl chloride	ug/L	ND	50	50	47.0	49.7	94	99	59-144	6	20					
4-Bromofluorobenzene (S)	%						81	81	43-137							
Dibromofluoromethane (S)	%						92	96	70-130							
Toluene-d8 (S)	%						81	80	55-137							

QUALIFIERS

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
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.
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.

ANALYTE QUALIFIERS

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 PIONEER BANK
Pace Project No.: 4070402

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4070402001	MW3	EPA 8260	MSV/17641		
4070402002	MW4	EPA 8260	MSV/17641		
4070402003	MW5	EPA 8260	MSV/17640		
4070402004	MW6	EPA 8260	MSV/17640		
4070402005	MW8	EPA 8260	MSV/17640		
4070402006	M10	EPA 8260	MSV/17640		
4070402007	MW S OF PZ1	EPA 8260	MSV/17640		
4070402008	MW E OF PZ1	EPA 8260	MSV/17640		
4070402009	PZ1	EPA 8260	MSV/17640		
4070402010	PZ2	EPA 8260	MSV/17641		

August 16, 2013

DAVID LARSEN
REI
4080 NORTH 20TH AVENUE
Wausau, WI 54401

RE: Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Dear DAVID LARSEN:

Enclosed are the analytical results for sample(s) received by the laboratory on August 13, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,



Steven Mleczek for
Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

New York Certification #: 11888
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

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SAMPLE SUMMARY

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4082769001	MW1	Water	08/12/13 09:35	08/13/13 08:20
4082769002	MW2	Water	08/12/13 09:30	08/13/13 08:20
4082769003	MW3	Water	08/12/13 09:28	08/13/13 08:20
4082769004	MW4	Water	08/12/13 08:45	08/13/13 08:20
4082769005	MW5	Water	08/12/13 08:50	08/13/13 08:20
4082769006	MW6	Water	08/12/13 08:30	08/13/13 08:20
4082769007	MW7R	Water	08/12/13 10:17	08/13/13 08:20
4082769008	MW8	Water	08/12/13 10:30	08/13/13 08:20
4082769009	MW10	Water	08/12/13 10:00	08/13/13 08:20
4082769010	PZ1	Water	08/12/13 09:00	08/13/13 08:20
4082769011	PZ2	Water	08/12/13 09:04	08/13/13 08:20

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SAMPLE ANALYTE COUNT

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4082769001	MW1	EPA 8260	LAP	64
4082769002	MW2	EPA 8260	HNW	64
4082769003	MW3	EPA 8260	LAP	64
4082769004	MW4	EPA 8260	LAP	64
4082769005	MW5	EPA 8260	LAP	64
4082769006	MW6	EPA 8260	LAP	64
4082769007	MW7R	EPA 8260	LAP	64
4082769008	MW8	EPA 8260	LAP	64
4082769009	MW10	EPA 8260	LAP	64
4082769010	PZ1	EPA 8260	LAP	64
4082769011	PZ2	EPA 8260	LAP	64

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: MW1 Lab ID: 4082769001 Collected: 08/12/13 09:35 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	71-43-2	
Bromobenzene	<0.48 ug/L		1.0	0.48	1		08/15/13 13:57	108-86-1	
Bromochloromethane	<0.49 ug/L		1.0	0.49	1		08/15/13 13:57	74-97-5	
Bromodichloromethane	<0.45 ug/L		1.0	0.45	1		08/15/13 13:57	75-27-4	
Bromoform	<0.33 ug/L		1.0	0.33	1		08/15/13 13:57	75-25-2	
Bromomethane	<0.43 ug/L		5.0	0.43	1		08/15/13 13:57	74-83-9	
n-Butylbenzene	<0.40 ug/L		1.0	0.40	1		08/15/13 13:57	104-51-8	
sec-Butylbenzene	<0.60 ug/L		5.0	0.60	1		08/15/13 13:57	135-98-8	
tert-Butylbenzene	<0.42 ug/L		1.0	0.42	1		08/15/13 13:57	98-06-6	
Carbon tetrachloride	<0.37 ug/L		1.0	0.37	1		08/15/13 13:57	56-23-5	
Chlorobenzene	<0.36 ug/L		1.0	0.36	1		08/15/13 13:57	108-90-7	
Chloroethane	<0.44 ug/L		1.0	0.44	1		08/15/13 13:57	75-00-3	
Chloroform	<0.69 ug/L		5.0	0.69	1		08/15/13 13:57	67-66-3	
Chloromethane	<0.39 ug/L		1.0	0.39	1		08/15/13 13:57	74-87-3	
2-Chlorotoluene	<0.48 ug/L		1.0	0.48	1		08/15/13 13:57	95-49-8	
4-Chlorotoluene	<0.48 ug/L		1.0	0.48	1		08/15/13 13:57	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5 ug/L		5.0	1.5	1		08/15/13 13:57	96-12-8	
Dibromochloromethane	<1.9 ug/L		5.0	1.9	1		08/15/13 13:57	124-48-1	
1,2-Dibromoethane (EDB)	<0.38 ug/L		1.0	0.38	1		08/15/13 13:57	106-93-4	
Dibromomethane	<0.48 ug/L		1.0	0.48	1		08/15/13 13:57	74-95-3	
1,2-Dichlorobenzene	<0.44 ug/L		1.0	0.44	1		08/15/13 13:57	95-50-1	
1,3-Dichlorobenzene	<0.45 ug/L		1.0	0.45	1		08/15/13 13:57	541-73-1	
1,4-Dichlorobenzene	<0.43 ug/L		1.0	0.43	1		08/15/13 13:57	106-46-7	
Dichlorodifluoromethane	<0.40 ug/L		1.0	0.40	1		08/15/13 13:57	75-71-8	
1,1-Dichloroethane	<0.28 ug/L		1.0	0.28	1		08/15/13 13:57	75-34-3	
1,2-Dichloroethane	<0.48 ug/L		1.0	0.48	1		08/15/13 13:57	107-06-2	
1,1-Dichloroethene	<0.43 ug/L		1.0	0.43	1		08/15/13 13:57	75-35-4	
cis-1,2-Dichloroethene	<0.42 ug/L		1.0	0.42	1		08/15/13 13:57	156-59-2	
trans-1,2-Dichloroethene	<0.37 ug/L		1.0	0.37	1		08/15/13 13:57	156-60-5	
1,2-Dichloropropane	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	78-87-5	
1,3-Dichloropropane	<0.46 ug/L		1.0	0.46	1		08/15/13 13:57	142-28-9	
2,2-Dichloropropane	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	594-20-7	
1,1-Dichloropropene	<0.51 ug/L		1.0	0.51	1		08/15/13 13:57	563-58-6	
cis-1,3-Dichloropropene	<0.29 ug/L		1.0	0.29	1		08/15/13 13:57	10061-01-5	
trans-1,3-Dichloropropene	<0.30 ug/L		1.0	0.30	1		08/15/13 13:57	10061-02-6	
Diisopropyl ether	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	108-20-3	
Ethylbenzene	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	100-41-4	
Hexachloro-1,3-butadiene	<1.3 ug/L		5.0	1.3	1		08/15/13 13:57	87-68-3	
Isopropylbenzene (Cumene)	<0.34 ug/L		1.0	0.34	1		08/15/13 13:57	98-82-8	
p-Isopropyltoluene	<0.40 ug/L		1.0	0.40	1		08/15/13 13:57	99-87-6	
Methylene Chloride	<0.36 ug/L		1.0	0.36	1		08/15/13 13:57	75-09-2	
Methyl-tert-butyl ether	<0.49 ug/L		1.0	0.49	1		08/15/13 13:57	1634-04-4	
Naphthalene	<2.5 ug/L		5.0	2.5	1		08/15/13 13:57	91-20-3	
n-Propylbenzene	<0.50 ug/L		1.0	0.50	1		08/15/13 13:57	103-65-1	
Styrene	<0.35 ug/L		1.0	0.35	1		08/15/13 13:57	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45 ug/L		1.0	0.45	1		08/15/13 13:57	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW1 Lab ID: 4082769001 Collected: 08/12/13 09:35 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 13:57	79-34-5	
Tetrachloroethene	0.71J	ug/L	1.0	0.47	1		08/15/13 13:57	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 13:57	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 13:57	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 13:57	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 13:57	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 13:57	79-00-5	
Trichloroethene	0.74J	ug/L	1.0	0.43	1		08/15/13 13:57	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 13:57	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 13:57	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 13:57	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 13:57	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 13:57	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 13:57	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 13:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		1		08/15/13 13:57	460-00-4	
Dibromofluoromethane (S)	100 %		70-130		1		08/15/13 13:57	1868-53-7	
Toluene-d8 (S)	100 %		55-137		1		08/15/13 13:57	2037-26-5	

Sample: MW2 Lab ID: 4082769002 Collected: 08/12/13 09:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 03:14	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 03:14	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 03:14	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 03:14	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 03:14	104-51-8	
sec-Butylbenzene	0.91J	ug/L	5.0	0.60	1		08/15/13 03:14	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 03:14	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 03:14	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 03:14	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 03:14	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 03:14	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 03:14	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 03:14	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 03:14	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 03:14	106-93-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW2 Lab ID: 4082769002 Collected: 08/12/13 09:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 03:14	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 03:14	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 03:14	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 03:14	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 03:14	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 03:14	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 03:14	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 03:14	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 03:14	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 03:14	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 03:14	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 03:14	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 03:14	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 03:14	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 03:14	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 03:14	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 03:14	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 03:14	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 03:14	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 03:14	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 03:14	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 03:14	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 03:14	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 03:14	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 03:14	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 03:14	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 03:14	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 03:14	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 03:14	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 03:14	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 03:14	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 03:14	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 03:14	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 03:14	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 03:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		1		08/15/13 03:14	460-00-4	
Dibromofluoromethane (S)	96 %		70-130		1		08/15/13 03:14	1868-53-7	
Toluene-d8 (S)	100 %		55-137		1		08/15/13 03:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW3 Lab ID: 4082769003 Collected: 08/12/13 09:28 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 14:20	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 14:20	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 14:20	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 14:20	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 14:20	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 14:20	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 14:20	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 14:20	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 14:20	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 14:20	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 14:20	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 14:20	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 14:20	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 14:20	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 14:20	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 14:20	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 14:20	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 14:20	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 14:20	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 14:20	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 14:20	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 14:20	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 14:20	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 14:20	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 14:20	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 14:20	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 14:20	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 14:20	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 14:20	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 14:20	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 14:20	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 14:20	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 14:20	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 14:20	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 14:20	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW3 Lab ID: 4082769003 Collected: 08/12/13 09:28 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 14:20	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 14:20	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 14:20	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 14:20	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 14:20	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 14:20	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 14:20	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 14:20	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 14:20	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 14:20	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 14:20	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 14:20	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 14:20	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 14:20	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 14:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98 %		43-137		1		08/15/13 14:20	460-00-4	
Dibromofluoromethane (S)	99 %		70-130		1		08/15/13 14:20	1868-53-7	
Toluene-d8 (S)	99 %		55-137		1		08/15/13 14:20	2037-26-5	

Sample: MW4 Lab ID: 4082769004 Collected: 08/12/13 08:45 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	127	ug/L	10.0	5.0	10		08/15/13 17:45	71-43-2	
Bromobenzene	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	108-86-1	
Bromochloromethane	<4.9	ug/L	10.0	4.9	10		08/15/13 17:45	74-97-5	
Bromodichloromethane	<4.5	ug/L	10.0	4.5	10		08/15/13 17:45	75-27-4	
Bromoform	<3.3	ug/L	10.0	3.3	10		08/15/13 17:45	75-25-2	
Bromomethane	<4.3	ug/L	50.0	4.3	10		08/15/13 17:45	74-83-9	
n-Butylbenzene	29.8	ug/L	10.0	4.0	10		08/15/13 17:45	104-51-8	
sec-Butylbenzene	10.0J	ug/L	50.0	6.0	10		08/15/13 17:45	135-98-8	
tert-Butylbenzene	<4.2	ug/L	10.0	4.2	10		08/15/13 17:45	98-06-6	
Carbon tetrachloride	<3.7	ug/L	10.0	3.7	10		08/15/13 17:45	56-23-5	
Chlorobenzene	<3.6	ug/L	10.0	3.6	10		08/15/13 17:45	108-90-7	
Chloroethane	<4.4	ug/L	10.0	4.4	10		08/15/13 17:45	75-00-3	
Chloroform	<6.9	ug/L	50.0	6.9	10		08/15/13 17:45	67-66-3	
Chloromethane	<3.9	ug/L	10.0	3.9	10		08/15/13 17:45	74-87-3	
2-Chlorotoluene	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	95-49-8	
4-Chlorotoluene	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	106-43-4	
1,2-Dibromo-3-chloropropane	<15.0	ug/L	50.0	15.0	10		08/15/13 17:45	96-12-8	
Dibromochloromethane	<19.0	ug/L	50.0	19.0	10		08/15/13 17:45	124-48-1	
1,2-Dibromoethane (EDB)	<3.8	ug/L	10.0	3.8	10		08/15/13 17:45	106-93-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: MW4 Lab ID: 4082769004 Collected: 08/12/13 08:45 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	74-95-3	
1,2-Dichlorobenzene	<4.4	ug/L	10.0	4.4	10		08/15/13 17:45	95-50-1	
1,3-Dichlorobenzene	<4.5	ug/L	10.0	4.5	10		08/15/13 17:45	541-73-1	
1,4-Dichlorobenzene	<4.3	ug/L	10.0	4.3	10		08/15/13 17:45	106-46-7	
Dichlorodifluoromethane	<4.0	ug/L	10.0	4.0	10		08/15/13 17:45	75-71-8	
1,1-Dichloroethane	<2.8	ug/L	10.0	2.8	10		08/15/13 17:45	75-34-3	
1,2-Dichloroethane	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	107-06-2	
1,1-Dichloroethene	<4.3	ug/L	10.0	4.3	10		08/15/13 17:45	75-35-4	
cis-1,2-Dichloroethene	<4.2	ug/L	10.0	4.2	10		08/15/13 17:45	156-59-2	
trans-1,2-Dichloroethene	<3.7	ug/L	10.0	3.7	10		08/15/13 17:45	156-60-5	
1,2-Dichloropropane	<5.0	ug/L	10.0	5.0	10		08/15/13 17:45	78-87-5	
1,3-Dichloropropane	<4.6	ug/L	10.0	4.6	10		08/15/13 17:45	142-28-9	
2,2-Dichloropropane	<5.0	ug/L	10.0	5.0	10		08/15/13 17:45	594-20-7	
1,1-Dichloropropene	<5.1	ug/L	10.0	5.1	10		08/15/13 17:45	563-58-6	
cis-1,3-Dichloropropene	<2.9	ug/L	10.0	2.9	10		08/15/13 17:45	10061-01-5	
trans-1,3-Dichloropropene	<3.0	ug/L	10.0	3.0	10		08/15/13 17:45	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		08/15/13 17:45	108-20-3	
Ethylbenzene	960	ug/L	10.0	5.0	10		08/15/13 17:45	100-41-4	
Hexachloro-1,3-butadiene	<12.6	ug/L	50.0	12.6	10		08/15/13 17:45	87-68-3	
Isopropylbenzene (Cumene)	78.0	ug/L	10.0	3.4	10		08/15/13 17:45	98-82-8	
p-Isopropyltoluene	19.6	ug/L	10.0	4.0	10		08/15/13 17:45	99-87-6	
Methylene Chloride	<3.6	ug/L	10.0	3.6	10		08/15/13 17:45	75-09-2	
Methyl-tert-butyl ether	<4.9	ug/L	10.0	4.9	10		08/15/13 17:45	1634-04-4	
Naphthalene	391	ug/L	50.0	25.0	10		08/15/13 17:45	91-20-3	
n-Propylbenzene	97.2	ug/L	10.0	5.0	10		08/15/13 17:45	103-65-1	
Styrene	<3.5	ug/L	10.0	3.5	10		08/15/13 17:45	100-42-5	
1,1,1,2-Tetrachloroethane	<4.5	ug/L	10.0	4.5	10		08/15/13 17:45	630-20-6	
1,1,2,2-Tetrachloroethane	<3.8	ug/L	10.0	3.8	10		08/15/13 17:45	79-34-5	
Tetrachloroethene	<4.7	ug/L	10.0	4.7	10		08/15/13 17:45	127-18-4	
Toluene	1020	ug/L	10.0	4.4	10		08/15/13 17:45	108-88-3	
1,2,3-Trichlorobenzene	<7.7	ug/L	50.0	7.7	10		08/15/13 17:45	87-61-6	
1,2,4-Trichlorobenzene	<25.0	ug/L	50.0	25.0	10		08/15/13 17:45	120-82-1	
1,1,1-Trichloroethane	<4.4	ug/L	10.0	4.4	10		08/15/13 17:45	71-55-6	
1,1,2-Trichloroethane	<3.9	ug/L	10.0	3.9	10		08/15/13 17:45	79-00-5	
Trichloroethene	<4.3	ug/L	10.0	4.3	10		08/15/13 17:45	79-01-6	
Trichlorofluoromethane	<4.8	ug/L	10.0	4.8	10		08/15/13 17:45	75-69-4	
1,2,3-Trichloropropane	<4.7	ug/L	10.0	4.7	10		08/15/13 17:45	96-18-4	
1,2,4-Trimethylbenzene	551	ug/L	50.0	5.7	10		08/15/13 17:45	95-63-6	
1,3,5-Trimethylbenzene	120	ug/L	50.0	25.0	10		08/15/13 17:45	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		08/15/13 17:45	75-01-4	
m&p-Xylene	1750	ug/L	20.0	8.2	10		08/15/13 17:45	179601-23-1	
o-Xylene	671	ug/L	10.0	5.0	10		08/15/13 17:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105 %		43-137		10		08/15/13 17:45	460-00-4	
Dibromofluoromethane (S)	94 %		70-130		10		08/15/13 17:45	1868-53-7	
Toluene-d8 (S)	94 %		55-137		10		08/15/13 17:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: MW5 Lab ID: 4082769005 Collected: 08/12/13 08:50 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	20.9	ug/L	20.0	10.0	20		08/15/13 21:57	71-43-2	
Bromobenzene	<9.7	ug/L	20.0	9.7	20		08/15/13 21:57	108-86-1	
Bromochloromethane	<9.8	ug/L	20.0	9.8	20		08/15/13 21:57	74-97-5	
Bromodichloromethane	<9.1	ug/L	20.0	9.1	20		08/15/13 21:57	75-27-4	
Bromoform	<6.5	ug/L	20.0	6.5	20		08/15/13 21:57	75-25-2	
Bromomethane	<8.6	ug/L	100	8.6	20		08/15/13 21:57	74-83-9	
n-Butylbenzene	<8.0	ug/L	20.0	8.0	20		08/15/13 21:57	104-51-8	
sec-Butylbenzene	<12.1	ug/L	100	12.1	20		08/15/13 21:57	135-98-8	
tert-Butylbenzene	<8.5	ug/L	20.0	8.5	20		08/15/13 21:57	98-06-6	
Carbon tetrachloride	<7.3	ug/L	20.0	7.3	20		08/15/13 21:57	56-23-5	
Chlorobenzene	<7.2	ug/L	20.0	7.2	20		08/15/13 21:57	108-90-7	
Chloroethane	<8.9	ug/L	20.0	8.9	20		08/15/13 21:57	75-00-3	
Chloroform	<13.8	ug/L	100	13.8	20		08/15/13 21:57	67-66-3	
Chloromethane	<7.8	ug/L	20.0	7.8	20		08/15/13 21:57	74-87-3	
2-Chlorotoluene	<9.5	ug/L	20.0	9.5	20		08/15/13 21:57	95-49-8	
4-Chlorotoluene	<9.7	ug/L	20.0	9.7	20		08/15/13 21:57	106-43-4	
1,2-Dibromo-3-chloropropane	<29.9	ug/L	100	29.9	20		08/15/13 21:57	96-12-8	
Dibromochloromethane	<37.9	ug/L	100	37.9	20		08/15/13 21:57	124-48-1	
1,2-Dibromoethane (EDB)	<7.6	ug/L	20.0	7.6	20		08/15/13 21:57	106-93-4	
Dibromomethane	<9.6	ug/L	20.0	9.6	20		08/15/13 21:57	74-95-3	
1,2-Dichlorobenzene	<8.8	ug/L	20.0	8.8	20		08/15/13 21:57	95-50-1	
1,3-Dichlorobenzene	<9.0	ug/L	20.0	9.0	20		08/15/13 21:57	541-73-1	
1,4-Dichlorobenzene	<8.7	ug/L	20.0	8.7	20		08/15/13 21:57	106-46-7	
Dichlorodifluoromethane	<8.0	ug/L	20.0	8.0	20		08/15/13 21:57	75-71-8	
1,1-Dichloroethane	<5.7	ug/L	20.0	5.7	20		08/15/13 21:57	75-34-3	
1,2-Dichloroethane	<9.5	ug/L	20.0	9.5	20		08/15/13 21:57	107-06-2	
1,1-Dichloroethene	<8.5	ug/L	20.0	8.5	20		08/15/13 21:57	75-35-4	
cis-1,2-Dichloroethene	1550	ug/L	20.0	8.4	20		08/15/13 21:57	156-59-2	
trans-1,2-Dichloroethene	31.9	ug/L	20.0	7.4	20		08/15/13 21:57	156-60-5	
1,2-Dichloropropane	<10	ug/L	20.0	10	20		08/15/13 21:57	78-87-5	
1,3-Dichloropropane	<9.3	ug/L	20.0	9.3	20		08/15/13 21:57	142-28-9	
2,2-Dichloropropane	<10.0	ug/L	20.0	10.0	20		08/15/13 21:57	594-20-7	
1,1-Dichloropropene	<10.1	ug/L	20.0	10.1	20		08/15/13 21:57	563-58-6	
cis-1,3-Dichloropropene	<5.8	ug/L	20.0	5.8	20		08/15/13 21:57	10061-01-5	
trans-1,3-Dichloropropene	<6.1	ug/L	20.0	6.1	20		08/15/13 21:57	10061-02-6	
Diisopropyl ether	<10.0	ug/L	20.0	10.0	20		08/15/13 21:57	108-20-3	
Ethylbenzene	<10.0	ug/L	20.0	10.0	20		08/15/13 21:57	100-41-4	
Hexachloro-1,3-butadiene	<25.1	ug/L	100	25.1	20		08/15/13 21:57	87-68-3	
Isopropylbenzene (Cumene)	<6.8	ug/L	20.0	6.8	20		08/15/13 21:57	98-82-8	
p-Isopropyltoluene	<7.9	ug/L	20.0	7.9	20		08/15/13 21:57	99-87-6	
Methylene Chloride	<7.2	ug/L	20.0	7.2	20		08/15/13 21:57	75-09-2	
Methyl-tert-butyl ether	<9.9	ug/L	20.0	9.9	20		08/15/13 21:57	1634-04-4	
Naphthalene	<50.0	ug/L	100	50.0	20		08/15/13 21:57	91-20-3	
n-Propylbenzene	<10.0	ug/L	20.0	10.0	20		08/15/13 21:57	103-65-1	
Styrene	<7.0	ug/L	20.0	7.0	20		08/15/13 21:57	100-42-5	
1,1,1,2-Tetrachloroethane	<9.0	ug/L	20.0	9.0	20		08/15/13 21:57	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW5 **Lab ID: 4082769005** Collected: 08/12/13 08:50 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<7.7	ug/L	20.0	7.7	20		08/15/13 21:57	79-34-5	
Tetrachloroethene	291	ug/L	20.0	9.4	20		08/15/13 21:57	127-18-4	
Toluene	<8.8	ug/L	20.0	8.8	20		08/15/13 21:57	108-88-3	
1,2,3-Trichlorobenzene	<15.4	ug/L	100	15.4	20		08/15/13 21:57	87-61-6	
1,2,4-Trichlorobenzene	<50.0	ug/L	100	50.0	20		08/15/13 21:57	120-82-1	
1,1,1-Trichloroethane	<8.9	ug/L	20.0	8.9	20		08/15/13 21:57	71-55-6	
1,1,2-Trichloroethane	<7.8	ug/L	20.0	7.8	20		08/15/13 21:57	79-00-5	
Trichloroethene	388	ug/L	20.0	8.6	20		08/15/13 21:57	79-01-6	
Trichlorofluoromethane	<9.5	ug/L	20.0	9.5	20		08/15/13 21:57	75-69-4	
1,2,3-Trichloropropane	<9.4	ug/L	20.0	9.4	20		08/15/13 21:57	96-18-4	
1,2,4-Trimethylbenzene	<11.4	ug/L	100	11.4	20		08/15/13 21:57	95-63-6	
1,3,5-Trimethylbenzene	<50.0	ug/L	100	50.0	20		08/15/13 21:57	108-67-8	
Vinyl chloride	<3.7	ug/L	20.0	3.7	20		08/15/13 21:57	75-01-4	
m&p-Xylene	<16.3	ug/L	40.0	16.3	20		08/15/13 21:57	179601-23-1	
o-Xylene	<10.0	ug/L	20.0	10.0	20		08/15/13 21:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	43-137		20		08/15/13 21:57	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		20		08/15/13 21:57	1868-53-7	
Toluene-d8 (S)	102	%	55-137		20		08/15/13 21:57	2037-26-5	

Sample: MW6 **Lab ID: 4082769006** Collected: 08/12/13 08:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 15:05	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 15:05	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 15:05	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 15:05	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 15:05	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 15:05	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 15:05	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 15:05	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 15:05	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 15:05	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 15:05	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 15:05	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 15:05	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 15:05	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 15:05	106-93-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW6 Lab ID: 4082769006 Collected: 08/12/13 08:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 15:05	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 15:05	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:05	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 15:05	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 15:05	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:05	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 15:05	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 15:05	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 15:05	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 15:05	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 15:05	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 15:05	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 15:05	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 15:05	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 15:05	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 15:05	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 15:05	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:05	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 15:05	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 15:05	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 15:05	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 15:05	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 15:05	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 15:05	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:05	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 15:05	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 15:05	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:05	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:05	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 15:05	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 15:05	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:05	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 15:05	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 15:05	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96 %		43-137		1		08/15/13 15:05	460-00-4	
Dibromofluoromethane (S)	100 %		70-130		1		08/15/13 15:05	1868-53-7	
Toluene-d8 (S)	97 %		55-137		1		08/15/13 15:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: MW7R Lab ID: 4082769007 Collected: 08/12/13 10:17 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 15:51	74-97-5	
Bromodichloromethane	3.0	ug/L	1.0	0.45	1		08/15/13 15:51	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 15:51	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 15:51	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 15:51	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 15:51	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 15:51	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 15:51	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 15:51	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 15:51	75-00-3	
Chloroform	9.9	ug/L	5.0	0.69	1		08/15/13 15:51	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 15:51	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 15:51	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 15:51	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 15:51	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 15:51	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 15:51	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:51	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 15:51	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 15:51	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:51	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 15:51	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 15:51	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 15:51	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 15:51	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 15:51	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 15:51	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 15:51	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 15:51	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 15:51	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 15:51	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 15:51	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:51	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 15:51	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 15:51	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW7R Lab ID: 4082769007 Collected: 08/12/13 10:17 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 15:51	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 15:51	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 15:51	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 15:51	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:51	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 15:51	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 15:51	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 15:51	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 15:51	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 15:51	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 15:51	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 15:51	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 15:51	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 15:51	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 15:51	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96 %		43-137		1		08/15/13 15:51	460-00-4	
Dibromofluoromethane (S)	102 %		70-130		1		08/15/13 15:51	1868-53-7	
Toluene-d8 (S)	93 %		55-137		1		08/15/13 15:51	2037-26-5	

Sample: MW8 Lab ID: 4082769008 Collected: 08/12/13 10:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 16:13	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:13	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 16:13	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 16:13	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:13	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 16:13	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:13	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 16:13	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 16:13	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:13	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 16:13	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:13	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 16:13	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 16:13	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 16:13	106-93-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW8 Lab ID: 4082769008 Collected: 08/12/13 10:30 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:13	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 16:13	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:13	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 16:13	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 16:13	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:13	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:13	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 16:13	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 16:13	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 16:13	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 16:13	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 16:13	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 16:13	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 16:13	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:13	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 16:13	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 16:13	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:13	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 16:13	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:13	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 16:13	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 16:13	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:13	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 16:13	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:13	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:13	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:13	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:13	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:13	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 16:13	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 16:13	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:13	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 16:13	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 16:13	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96 %		43-137		1		08/15/13 16:13	460-00-4	
Dibromofluoromethane (S)	99 %		70-130		1		08/15/13 16:13	1868-53-7	
Toluene-d8 (S)	96 %		55-137		1		08/15/13 16:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW10 Lab ID: 4082769009 Collected: 08/12/13 10:00 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 13:34	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 13:34	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 13:34	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 13:34	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 13:34	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 13:34	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 13:34	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 13:34	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 13:34	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 13:34	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 13:34	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 13:34	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 13:34	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 13:34	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 13:34	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 13:34	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 13:34	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 13:34	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 13:34	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 13:34	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 13:34	75-35-4	
cis-1,2-Dichloroethene	4.8	ug/L	1.0	0.42	1		08/15/13 13:34	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 13:34	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 13:34	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 13:34	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 13:34	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 13:34	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 13:34	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 13:34	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 13:34	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 13:34	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 13:34	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 13:34	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 13:34	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 13:34	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: MW10 Lab ID: 4082769009 Collected: 08/12/13 10:00 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 13:34	79-34-5	
Tetrachloroethene	62.3	ug/L	1.0	0.47	1		08/15/13 13:34	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 13:34	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 13:34	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 13:34	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 13:34	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 13:34	79-00-5	
Trichloroethene	13.2	ug/L	1.0	0.43	1		08/15/13 13:34	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 13:34	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 13:34	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 13:34	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 13:34	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 13:34	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 13:34	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 13:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95 %		43-137		1		08/15/13 13:34	460-00-4	
Dibromofluoromethane (S)	99 %		70-130		1		08/15/13 13:34	1868-53-7	
Toluene-d8 (S)	99 %		55-137		1		08/15/13 13:34	2037-26-5	

Sample: PZ1 Lab ID: 4082769010 Collected: 08/12/13 09:00 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 16:36	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:36	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 16:36	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 16:36	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:36	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 16:36	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:36	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 16:36	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 16:36	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:36	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 16:36	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:36	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 16:36	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 16:36	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 16:36	106-93-4	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Sample: PZ1 Lab ID: 4082769010 Collected: 08/12/13 09:00 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:36	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 16:36	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:36	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 16:36	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 16:36	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:36	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:36	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 16:36	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 16:36	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 16:36	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 16:36	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 16:36	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 16:36	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 16:36	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:36	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 16:36	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 16:36	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:36	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 16:36	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:36	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 16:36	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 16:36	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:36	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 16:36	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:36	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:36	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:36	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:36	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:36	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 16:36	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 16:36	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:36	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 16:36	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 16:36	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96 %		43-137		1		08/15/13 16:36	460-00-4	
Dibromofluoromethane (S)	103 %		70-130		1		08/15/13 16:36	1868-53-7	
Toluene-d8 (S)	91 %		55-137		1		08/15/13 16:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: PZ2 Lab ID: 4082769011 Collected: 08/12/13 09:04 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Benzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		08/15/13 16:59	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:59	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		08/15/13 16:59	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		08/15/13 16:59	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:59	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		08/15/13 16:59	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		08/15/13 16:59	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		08/15/13 16:59	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:59	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		08/15/13 16:59	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:59	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		08/15/13 16:59	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		08/15/13 16:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		08/15/13 16:59	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:59	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		08/15/13 16:59	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:59	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		08/15/13 16:59	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/15/13 16:59	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:59	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		08/15/13 16:59	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		08/15/13 16:59	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		08/15/13 16:59	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		08/15/13 16:59	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		08/15/13 16:59	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		08/15/13 16:59	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		08/15/13 16:59	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		08/15/13 16:59	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		08/15/13 16:59	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		08/15/13 16:59	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		08/15/13 16:59	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:59	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		08/15/13 16:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		08/15/13 16:59	630-20-6	

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ANALYTICAL RESULTS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

Sample: PZ2 Lab ID: 4082769011 Collected: 08/12/13 09:04 Received: 08/13/13 08:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		08/15/13 16:59	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		08/15/13 16:59	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		08/15/13 16:59	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		08/15/13 16:59	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:59	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		08/15/13 16:59	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		08/15/13 16:59	79-00-5	
Trichloroethene	<0.43	ug/L	1.0	0.43	1		08/15/13 16:59	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		08/15/13 16:59	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		08/15/13 16:59	96-18-4	
1,2,4-Trimethylbenzene	<0.57	ug/L	5.0	0.57	1		08/15/13 16:59	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	1		08/15/13 16:59	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		08/15/13 16:59	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		08/15/13 16:59	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		08/15/13 16:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98 %		43-137		1		08/15/13 16:59	460-00-4	
Dibromofluoromethane (S)	102 %		70-130		1		08/15/13 16:59	1868-53-7	
Toluene-d8 (S)	98 %		55-137		1		08/15/13 16:59	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

QC Batch: MSV/20848 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4082769002

METHOD BLANK: 838611 Matrix: Water
Associated Lab Samples: 4082769002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.45	1.0	08/14/13 17:14	
1,1,1-Trichloroethane	ug/L	<0.44	1.0	08/14/13 17:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/14/13 17:14	
1,1,2-Trichloroethane	ug/L	<0.39	1.0	08/14/13 17:14	
1,1-Dichloroethane	ug/L	<0.28	1.0	08/14/13 17:14	
1,1-Dichloroethene	ug/L	<0.43	1.0	08/14/13 17:14	
1,1-Dichloropropene	ug/L	<0.51	1.0	08/14/13 17:14	
1,2,3-Trichlorobenzene	ug/L	<0.77	5.0	08/14/13 17:14	
1,2,3-Trichloropropane	ug/L	<0.47	1.0	08/14/13 17:14	
1,2,4-Trichlorobenzene	ug/L	<2.5	5.0	08/14/13 17:14	
1,2,4-Trimethylbenzene	ug/L	<0.57	5.0	08/14/13 17:14	
1,2-Dibromo-3-chloropropane	ug/L	<1.5	5.0	08/14/13 17:14	
1,2-Dibromoethane (EDB)	ug/L	<0.38	1.0	08/14/13 17:14	
1,2-Dichlorobenzene	ug/L	<0.44	1.0	08/14/13 17:14	
1,2-Dichloroethane	ug/L	<0.48	1.0	08/14/13 17:14	
1,2-Dichloropropane	ug/L	<0.50	1.0	08/14/13 17:14	
1,3,5-Trimethylbenzene	ug/L	<2.5	5.0	08/14/13 17:14	
1,3-Dichlorobenzene	ug/L	<0.45	1.0	08/14/13 17:14	
1,3-Dichloropropane	ug/L	<0.46	1.0	08/14/13 17:14	
1,4-Dichlorobenzene	ug/L	<0.43	1.0	08/14/13 17:14	
2,2-Dichloropropane	ug/L	<0.50	1.0	08/14/13 17:14	
2-Chlorotoluene	ug/L	<0.48	1.0	08/14/13 17:14	
4-Chlorotoluene	ug/L	<0.48	1.0	08/14/13 17:14	
Benzene	ug/L	<0.50	1.0	08/14/13 17:14	
Bromobenzene	ug/L	<0.48	1.0	08/14/13 17:14	
Bromochloromethane	ug/L	<0.49	1.0	08/14/13 17:14	
Bromodichloromethane	ug/L	<0.45	1.0	08/14/13 17:14	
Bromoform	ug/L	<0.33	1.0	08/14/13 17:14	
Bromomethane	ug/L	<0.43	5.0	08/14/13 17:14	
Carbon tetrachloride	ug/L	<0.37	1.0	08/14/13 17:14	
Chlorobenzene	ug/L	<0.36	1.0	08/14/13 17:14	
Chloroethane	ug/L	<0.44	1.0	08/14/13 17:14	
Chloroform	ug/L	<0.69	5.0	08/14/13 17:14	
Chloromethane	ug/L	<0.39	1.0	08/14/13 17:14	
cis-1,2-Dichloroethene	ug/L	<0.42	1.0	08/14/13 17:14	
cis-1,3-Dichloropropene	ug/L	<0.29	1.0	08/14/13 17:14	
Dibromochloromethane	ug/L	<1.9	5.0	08/14/13 17:14	
Dibromomethane	ug/L	<0.48	1.0	08/14/13 17:14	
Dichlorodifluoromethane	ug/L	<0.40	1.0	08/14/13 17:14	
Diisopropyl ether	ug/L	<0.50	1.0	08/14/13 17:14	
Ethylbenzene	ug/L	<0.50	1.0	08/14/13 17:14	
Hexachloro-1,3-butadiene	ug/L	<1.3	5.0	08/14/13 17:14	
Isopropylbenzene (Cumene)	ug/L	<0.34	1.0	08/14/13 17:14	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

METHOD BLANK: 838611 Matrix: Water
 Associated Lab Samples: 4082769002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<0.82	2.0	08/14/13 17:14	
Methyl-tert-butyl ether	ug/L	<0.49	1.0	08/14/13 17:14	
Methylene Chloride	ug/L	<0.36	1.0	08/14/13 17:14	
n-Butylbenzene	ug/L	<0.40	1.0	08/14/13 17:14	
n-Propylbenzene	ug/L	<0.50	1.0	08/14/13 17:14	
Naphthalene	ug/L	<2.5	5.0	08/14/13 17:14	
o-Xylene	ug/L	<0.50	1.0	08/14/13 17:14	
p-Isopropyltoluene	ug/L	<0.40	1.0	08/14/13 17:14	
sec-Butylbenzene	ug/L	<0.60	5.0	08/14/13 17:14	
Styrene	ug/L	<0.35	1.0	08/14/13 17:14	
tert-Butylbenzene	ug/L	<0.42	1.0	08/14/13 17:14	
Tetrachloroethene	ug/L	<0.47	1.0	08/14/13 17:14	
Toluene	ug/L	<0.44	1.0	08/14/13 17:14	
trans-1,2-Dichloroethene	ug/L	<0.37	1.0	08/14/13 17:14	
trans-1,3-Dichloropropene	ug/L	<0.30	1.0	08/14/13 17:14	
Trichloroethene	ug/L	<0.43	1.0	08/14/13 17:14	
Trichlorofluoromethane	ug/L	<0.48	1.0	08/14/13 17:14	
Vinyl chloride	ug/L	<0.18	1.0	08/14/13 17:14	
4-Bromofluorobenzene (S)	%	94	43-137	08/14/13 17:14	
Dibromofluoromethane (S)	%	90	70-130	08/14/13 17:14	
Toluene-d8 (S)	%	100	55-137	08/14/13 17:14	

LABORATORY CONTROL SAMPLE & LCSD: 838612

838613

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.0	49.4	98	99	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	50	47.9	51.1	96	102	70-130	6	20	
1,1,2-Trichloroethane	ug/L	50	49.1	51.3	98	103	70-130	4	20	
1,1-Dichloroethane	ug/L	50	52.6	53.5	105	107	70-146	2	20	
1,1-Dichloroethene	ug/L	50	49.3	50.3	99	101	70-130	2	20	
1,2,4-Trichlorobenzene	ug/L	50	55.5	58.2	111	116	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	50	35.0	40.5	70	81	46-150	15	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.4	51.0	101	102	70-130	1	20	
1,2-Dichlorobenzene	ug/L	50	53.4	55.2	107	110	70-130	3	20	
1,2-Dichloroethane	ug/L	50	52.5	53.5	105	107	70-144	2	20	
1,2-Dichloropropane	ug/L	50	55.1	56.2	110	112	70-136	2	20	
1,3-Dichlorobenzene	ug/L	50	54.9	56.5	110	113	70-130	3	20	
1,4-Dichlorobenzene	ug/L	50	55.5	56.2	111	112	70-130	1	20	
Benzene	ug/L	50	52.0	53.1	104	106	70-137	2	20	
Bromodichloromethane	ug/L	50	51.2	54.1	102	108	70-133	6	20	
Bromoform	ug/L	50	43.3	46.0	87	92	59-130	6	20	
Bromomethane	ug/L	50	30.3	33.0	61	66	41-148	8	20	
Carbon tetrachloride	ug/L	50	47.7	50.5	95	101	70-154	6	20	
Chlorobenzene	ug/L	50	54.6	54.8	109	110	70-130	0	20	
Chloroethane	ug/L	50	45.8	46.0	92	92	70-139	0	20	

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

LABORATORY CONTROL SAMPLE & LCSD:		838612	838613							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/L	50	51.4	51.8	103	104	70-130	1	20	
Chloromethane	ug/L	50	26.1	26.3	52	53	45-154	1	20	
cis-1,2-Dichloroethene	ug/L	50	50.7	50.5	101	101	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	50	46.0	47.9	92	96	70-136	4	20	
Dibromochloromethane	ug/L	50	45.1	46.2	90	92	70-130	3	20	
Dichlorodifluoromethane	ug/L	50	13.6	14.7	27	29	20-157	8	20	
Ethylbenzene	ug/L	50	57.9	58.3	116	117	70-130	1	20	
Isopropylbenzene (Cumene)	ug/L	50	64.2	64.6	128	129	70-130	1	20	
m&p-Xylene	ug/L	100	116	117	116	117	70-130	1	20	
Methyl-tert-butyl ether	ug/L	50	46.9	48.7	94	97	59-141	4	20	
Methylene Chloride	ug/L	50	52.3	52.2	105	104	70-130	0	20	
o-Xylene	ug/L	50	58.6	58.4	117	117	70-130	0	20	
Styrene	ug/L	50	57.7	57.7	115	115	70-130	0	20	
Tetrachloroethene	ug/L	50	53.5	52.7	107	105	70-130	2	20	
Toluene	ug/L	50	53.9	53.7	108	107	70-130	0	20	
trans-1,2-Dichloroethene	ug/L	50	51.4	52.4	103	105	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	50	44.5	46.3	89	93	55-135	4	20	
Trichloroethene	ug/L	50	54.6	55.1	109	110	70-130	1	20	
Trichlorofluoromethane	ug/L	50	48.6	47.3	97	95	50-150	3	20	
Vinyl chloride	ug/L	50	36.3	35.6	73	71	61-143	2	20	
4-Bromofluorobenzene (S)	%				106	105	43-137			
Dibromofluoromethane (S)	%				100	102	70-130			
Toluene-d8 (S)	%				100	98	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		839453	839454									
Parameter	Units	4082685004		MS Spike	MSD Spike	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	RPD	RPD		
1,1,1-Trichloroethane	ug/L	<0.44	50	50	51.5	51.5	103	103	70-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	50.6	50.7	101	101	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.39	50	50	50.8	50.9	102	102	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.28	50	50	55.8	55.3	112	111	70-146	1	20	
1,1-Dichloroethene	ug/L	<0.43	50	50	57.0	53.9	114	108	70-130	6	20	
1,2,4-Trichlorobenzene	ug/L	<2.5	50	50	56.4	56.6	112	113	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.5	50	50	41.0	39.0	82	78	46-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.38	50	50	51.7	52.2	103	104	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.44	50	50	54.0	54.8	108	110	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.48	50	50	53.8	54.7	108	109	70-146	2	20	
1,2-Dichloropropane	ug/L	<0.50	50	50	56.7	54.3	113	109	70-136	4	20	
1,3-Dichlorobenzene	ug/L	<0.45	50	50	54.6	55.9	109	112	70-130	2	20	
1,4-Dichlorobenzene	ug/L	<0.43	50	50	55.0	54.4	110	109	70-130	1	20	
Benzene	ug/L	<0.50	50	50	54.5	53.9	109	108	70-137	1	20	
Bromodichloromethane	ug/L	<0.45	50	50	53.2	51.1	106	102	70-133	4	20	
Bromoform	ug/L	<0.33	50	50	45.0	44.9	90	90	57-130	0	20	
Bromomethane	ug/L	<0.43	50	50	41.0	42.7	82	85	41-148	4	20	
Carbon tetrachloride	ug/L	<0.37	50	50	51.1	50.7	102	101	70-154	1	20	
Chlorobenzene	ug/L	<0.36	50	50	55.0	53.9	110	108	70-130	2	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Parameter	Units	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 839453		839454		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		4082685004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result										
Chloroethane	ug/L	<0.44	50	50	53.6	54.0	107	108	70-140	1	20				
Chloroform	ug/L	<0.69	50	50	53.2	52.5	106	105	70-130	1	20				
Chloromethane	ug/L	<0.39	50	50	42.6	41.7	85	83	45-154	2	20				
cis-1,2-Dichloroethene	ug/L	<0.42	50	50	51.6	51.6	103	103	70-130	0	20				
cis-1,3-Dichloropropene	ug/L	<0.29	50	50	47.1	46.1	94	92	70-136	2	20				
Dibromochloromethane	ug/L	<1.9	50	50	46.8	46.9	94	94	70-130	0	20				
Dichlorodifluoromethane	ug/L	<0.40	50	50	37.8	37.7	76	75	10-157	0	20				
Ethylbenzene	ug/L	<0.50	50	50	58.3	57.5	117	115	70-130	1	20				
Isopropylbenzene (Cumene)	ug/L	<0.34	50	50	64.7	63.1	129	126	70-130	2	20				
m&p-Xylene	ug/L	<0.82	100	100	117	116	117	116	70-130	1	20				
Methyl-tert-butyl ether	ug/L	<0.49	50	50	49.0	50.0	98	100	59-141	2	20				
Methylene Chloride	ug/L	<0.36	50	50	54.1	53.8	108	108	70-130	1	20				
o-Xylene	ug/L	<0.50	50	50	59.8	57.7	120	115	70-130	4	20				
Styrene	ug/L	<0.35	50	50	58.1	56.7	116	113	35-164	3	20				
Tetrachloroethene	ug/L	<0.47	50	50	54.4	52.9	109	106	70-130	3	20				
Toluene	ug/L	<0.44	50	50	55.2	53.7	110	107	70-130	3	20				
trans-1,2-Dichloroethene	ug/L	<0.37	50	50	54.7	55.7	109	111	70-130	2	20				
trans-1,3-Dichloropropene	ug/L	<0.30	50	50	45.7	46.4	91	93	55-137	2	20				
Trichloroethene	ug/L	<0.43	50	50	55.9	53.9	112	108	70-130	4	20				
Trichlorofluoromethane	ug/L	<0.48	50	50	56.1	55.9	112	112	50-150	0	20				
Vinyl chloride	ug/L	<0.18	50	50	50.4	50.5	101	101	59-144	0	20				
4-Bromofluorobenzene (S)	%						106	105	43-137						
Dibromofluoromethane (S)	%						102	103	70-130						
Toluene-d8 (S)	%						100	100	55-137						

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

QC Batch: MSV/20852 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4082769001, 4082769003, 4082769004, 4082769005, 4082769006, 4082769007, 4082769008, 4082769009, 4082769010, 4082769011

METHOD BLANK: 838885 Matrix: Water
Associated Lab Samples: 4082769001, 4082769003, 4082769004, 4082769005, 4082769006, 4082769007, 4082769008, 4082769009, 4082769010, 4082769011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.45	1.0	08/15/13 07:44	
1,1,1-Trichloroethane	ug/L	<0.44	1.0	08/15/13 07:44	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	08/15/13 07:44	
1,1,2-Trichloroethane	ug/L	<0.39	1.0	08/15/13 07:44	
1,1-Dichloroethane	ug/L	<0.28	1.0	08/15/13 07:44	
1,1-Dichloroethene	ug/L	<0.43	1.0	08/15/13 07:44	
1,1-Dichloropropene	ug/L	<0.51	1.0	08/15/13 07:44	
1,2,3-Trichlorobenzene	ug/L	<0.77	5.0	08/15/13 07:44	
1,2,3-Trichloropropane	ug/L	<0.47	1.0	08/15/13 07:44	
1,2,4-Trichlorobenzene	ug/L	<2.5	5.0	08/15/13 07:44	
1,2,4-Trimethylbenzene	ug/L	<0.57	5.0	08/15/13 07:44	
1,2-Dibromo-3-chloropropane	ug/L	<1.5	5.0	08/15/13 07:44	
1,2-Dibromoethane (EDB)	ug/L	<0.38	1.0	08/15/13 07:44	
1,2-Dichlorobenzene	ug/L	<0.44	1.0	08/15/13 07:44	
1,2-Dichloroethane	ug/L	<0.48	1.0	08/15/13 07:44	
1,2-Dichloropropane	ug/L	<0.50	1.0	08/15/13 07:44	
1,3,5-Trimethylbenzene	ug/L	<2.5	5.0	08/15/13 07:44	
1,3-Dichlorobenzene	ug/L	<0.45	1.0	08/15/13 07:44	
1,3-Dichloropropane	ug/L	<0.46	1.0	08/15/13 07:44	
1,4-Dichlorobenzene	ug/L	<0.43	1.0	08/15/13 07:44	
2,2-Dichloropropane	ug/L	<0.50	1.0	08/15/13 07:44	
2-Chlorotoluene	ug/L	<0.48	1.0	08/15/13 07:44	
4-Chlorotoluene	ug/L	<0.48	1.0	08/15/13 07:44	
Benzene	ug/L	<0.50	1.0	08/15/13 07:44	
Bromobenzene	ug/L	<0.48	1.0	08/15/13 07:44	
Bromochloromethane	ug/L	<0.49	1.0	08/15/13 07:44	
Bromodichloromethane	ug/L	<0.45	1.0	08/15/13 07:44	
Bromoform	ug/L	<0.33	1.0	08/15/13 07:44	
Bromomethane	ug/L	<0.43	5.0	08/15/13 07:44	
Carbon tetrachloride	ug/L	<0.37	1.0	08/15/13 07:44	
Chlorobenzene	ug/L	<0.36	1.0	08/15/13 07:44	
Chloroethane	ug/L	<0.44	1.0	08/15/13 07:44	
Chloroform	ug/L	<0.69	5.0	08/15/13 07:44	
Chloromethane	ug/L	<0.39	1.0	08/15/13 07:44	
cis-1,2-Dichloroethene	ug/L	<0.42	1.0	08/15/13 07:44	
cis-1,3-Dichloropropene	ug/L	<0.29	1.0	08/15/13 07:44	
Dibromochloromethane	ug/L	<1.9	5.0	08/15/13 07:44	
Dibromomethane	ug/L	<0.48	1.0	08/15/13 07:44	
Dichlorodifluoromethane	ug/L	<0.40	1.0	08/15/13 07:44	
Diisopropyl ether	ug/L	<0.50	1.0	08/15/13 07:44	
Ethylbenzene	ug/L	<0.50	1.0	08/15/13 07:44	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

METHOD BLANK: 838885

Matrix: Water

Associated Lab Samples: 4082769001, 4082769003, 4082769004, 4082769005, 4082769006, 4082769007, 4082769008, 4082769009, 4082769010, 4082769011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.3	5.0	08/15/13 07:44	
Isopropylbenzene (Cumene)	ug/L	<0.34	1.0	08/15/13 07:44	
m&p-Xylene	ug/L	<0.82	2.0	08/15/13 07:44	
Methyl-tert-butyl ether	ug/L	<0.49	1.0	08/15/13 07:44	
Methylene Chloride	ug/L	<0.36	1.0	08/15/13 07:44	
n-Butylbenzene	ug/L	<0.40	1.0	08/15/13 07:44	
n-Propylbenzene	ug/L	<0.50	1.0	08/15/13 07:44	
Naphthalene	ug/L	<2.5	5.0	08/15/13 07:44	
o-Xylene	ug/L	<0.50	1.0	08/15/13 07:44	
p-Isopropyltoluene	ug/L	<0.40	1.0	08/15/13 07:44	
sec-Butylbenzene	ug/L	<0.60	5.0	08/15/13 07:44	
Styrene	ug/L	<0.35	1.0	08/15/13 07:44	
tert-Butylbenzene	ug/L	<0.42	1.0	08/15/13 07:44	
Tetrachloroethene	ug/L	<0.47	1.0	08/15/13 07:44	
Toluene	ug/L	<0.44	1.0	08/15/13 07:44	
trans-1,2-Dichloroethene	ug/L	<0.37	1.0	08/15/13 07:44	
trans-1,3-Dichloropropene	ug/L	<0.30	1.0	08/15/13 07:44	
Trichloroethene	ug/L	<0.43	1.0	08/15/13 07:44	
Trichlorofluoromethane	ug/L	<0.48	1.0	08/15/13 07:44	
Vinyl chloride	ug/L	<0.18	1.0	08/15/13 07:44	
4-Bromofluorobenzene (S)	%	98	43-137	08/15/13 07:44	
Dibromofluoromethane (S)	%	98	70-130	08/15/13 07:44	
Toluene-d8 (S)	%	100	55-137	08/15/13 07:44	

LABORATORY CONTROL SAMPLE & LCSD: 838886

838887

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.0	58.0	116	116	70-136	0	20	
1,1,2,2-Tetrachloroethane	ug/L	50	49.9	50.1	100	100	70-130	0	20	
1,1,2-Trichloroethane	ug/L	50	53.8	51.9	108	104	70-130	3	20	
1,1-Dichloroethane	ug/L	50	52.2	52.6	104	105	70-146	1	20	
1,1-Dichloroethene	ug/L	50	54.1	55.1	108	110	70-130	2	20	
1,2,4-Trichlorobenzene	ug/L	50	51.5	52.8	103	106	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	50	47.2	47.2	94	94	46-150	0	20	
1,2-Dibromoethane (EDB)	ug/L	50	56.0	51.6	112	103	70-130	8	20	
1,2-Dichlorobenzene	ug/L	50	52.2	53.3	104	107	70-130	2	20	
1,2-Dichloroethane	ug/L	50	55.1	53.6	110	107	70-144	3	20	
1,2-Dichloropropane	ug/L	50	53.5	53.3	107	107	70-136	0	20	
1,3-Dichlorobenzene	ug/L	50	52.8	52.6	106	105	70-130	0	20	
1,4-Dichlorobenzene	ug/L	50	52.9	53.3	106	107	70-130	1	20	
Benzene	ug/L	50	51.9	52.0	104	104	70-137	0	20	
Bromodichloromethane	ug/L	50	57.1	57.5	114	115	70-133	1	20	
Bromoform	ug/L	50	52.8	50.3	106	101	59-130	5	20	
Bromomethane	ug/L	50	48.1	49.7	96	99	41-148	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

LABORATORY CONTROL SAMPLE & LCSD: 838886		838887								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	59.1	59.6	118	119	70-154	1	20	
Chlorobenzene	ug/L	50	54.5	53.5	109	107	70-130	2	20	
Chloroethane	ug/L	50	50.7	51.1	101	102	70-139	1	20	
Chloroform	ug/L	50	53.8	53.7	108	107	70-130	0	20	
Chloromethane	ug/L	50	48.1	50.4	96	101	45-154	5	20	
cis-1,2-Dichloroethene	ug/L	50	49.8	49.5	100	99	70-130	0	20	
cis-1,3-Dichloropropene	ug/L	50	55.3	55.6	111	111	70-136	1	20	
Dibromochloromethane	ug/L	50	55.9	54.0	112	108	70-130	3	20	
Dichlorodifluoromethane	ug/L	50	51.4	53.4	103	107	20-157	4	20	
Ethylbenzene	ug/L	50	57.8	56.6	116	113	70-130	2	20	
Isopropylbenzene (Cumene)	ug/L	50	60.7	58.6	121	117	70-130	4	20	
m&p-Xylene	ug/L	100	115	113	115	113	70-130	2	20	
Methyl-tert-butyl ether	ug/L	50	50.8	49.3	102	99	59-141	3	20	
Methylene Chloride	ug/L	50	51.1	50.9	102	102	70-130	0	20	
o-Xylene	ug/L	50	57.6	56.4	115	113	70-130	2	20	
Styrene	ug/L	50	57.7	56.5	115	113	70-130	2	20	
Tetrachloroethene	ug/L	50	56.5	55.1	113	110	70-130	3	20	
Toluene	ug/L	50	55.3	54.7	111	109	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	53.7	52.2	107	104	70-130	3	20	
trans-1,3-Dichloropropene	ug/L	50	52.3	51.9	105	104	55-135	1	20	
Trichloroethene	ug/L	50	56.8	56.4	114	113	70-130	1	20	
Trichlorofluoromethane	ug/L	50	56.9	58.0	114	116	50-150	2	20	
Vinyl chloride	ug/L	50	52.4	53.5	105	107	61-143	2	20	
4-Bromofluorobenzene (S)	%				107	105	43-137			
Dibromofluoromethane (S)	%				100	99	70-130			
Toluene-d8 (S)	%				101	98	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 839392		839393											
Parameter	Units	4082769009		MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	Result						
1,1,1-Trichloroethane	ug/L	<0.44	50	50	56.9	55.8	114	112	70-136	2	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	48.5	49.7	97	99	70-130	2	20		
1,1,2-Trichloroethane	ug/L	<0.39	50	50	51.4	51.4	103	103	70-130	0	20		
1,1-Dichloroethane	ug/L	<0.28	50	50	50.6	49.5	101	99	70-146	2	20		
1,1-Dichloroethene	ug/L	<0.43	50	50	53.0	51.3	106	103	70-130	3	20		
1,2,4-Trichlorobenzene	ug/L	<2.5	50	50	51.3	51.7	103	103	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.5	50	50	45.7	47.4	91	95	46-150	4	20		
1,2-Dibromoethane (EDB)	ug/L	<0.38	50	50	51.7	52.3	103	105	70-130	1	20		
1,2-Dichlorobenzene	ug/L	<0.44	50	50	51.4	51.4	103	103	70-130	0	20		
1,2-Dichloroethane	ug/L	<0.48	50	50	52.8	51.9	106	104	70-146	2	20		
1,2-Dichloropropane	ug/L	<0.50	50	50	53.7	52.1	107	104	70-136	3	20		
1,3-Dichlorobenzene	ug/L	<0.45	50	50	52.1	52.1	104	104	70-130	0	20		
1,4-Dichlorobenzene	ug/L	<0.43	50	50	51.7	52.1	103	104	70-130	1	20		
Benzene	ug/L	<0.50	50	50	50.3	50.1	101	100	70-137	0	20		
Bromodichloromethane	ug/L	<0.45	50	50	56.6	54.7	113	109	70-133	3	20		
Bromoform	ug/L	<0.33	50	50	49.6	47.0	99	94	57-130	5	20		

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QUALITY CONTROL DATA

Project: 5403 PIONEER BANK
 Pace Project No.: 4082769

Parameter	4082769009		MS		MSD		MS		MSD		% Rec	Limits	Max RPD	Qual
	Units	Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec						
Bromomethane	ug/L	<0.43	50	50	49.8	48.5	100	97	41-148	3	20			
Carbon tetrachloride	ug/L	<0.37	50	50	58.2	55.7	116	111	70-154	4	20			
Chlorobenzene	ug/L	<0.36	50	50	53.3	52.6	107	105	70-130	1	20			
Chloroethane	ug/L	<0.44	50	50	49.7	49.5	99	99	70-140	0	20			
Chloroform	ug/L	<0.69	50	50	52.7	50.8	105	102	70-130	4	20			
Chloromethane	ug/L	<0.39	50	50	49.4	48.1	99	96	45-154	3	20			
cis-1,2-Dichloroethene	ug/L	4.8	50	50	53.6	53.6	98	98	70-130	0	20			
cis-1,3-Dichloropropene	ug/L	<0.29	50	50	56.3	52.3	113	105	70-136	7	20			
Dibromochloromethane	ug/L	<1.9	50	50	53.6	52.9	107	106	70-130	1	20			
Dichlorodifluoromethane	ug/L	<0.40	50	50	53.2	51.7	106	103	10-157	3	20			
Ethylbenzene	ug/L	<0.50	50	50	55.0	55.1	110	110	70-130	0	20			
Isopropylbenzene (Cumene)	ug/L	<0.34	50	50	57.8	56.8	116	114	70-130	2	20			
m&p-Xylene	ug/L	<0.82	100	100	110	110	110	110	70-130	0	20			
Methyl-tert-butyl ether	ug/L	<0.49	50	50	48.7	49.4	97	99	59-141	2	20			
Methylene Chloride	ug/L	<0.36	50	50	49.5	49.2	99	98	70-130	1	20			
o-Xylene	ug/L	<0.50	50	50	54.3	54.4	109	109	70-130	0	20			
Styrene	ug/L	<0.35	50	50	38.2	42.2	76	84	35-164	10	20			
Tetrachloroethene	ug/L	62.3	50	50	114	123	103	122	70-130	8	20			
Toluene	ug/L	<0.44	50	50	53.8	53.4	108	107	70-130	1	20			
trans-1,2-Dichloroethene	ug/L	<0.37	50	50	51.1	50.6	102	101	70-130	1	20			
trans-1,3-Dichloropropene	ug/L	<0.30	50	50	49.9	47.9	100	96	55-137	4	20			
Trichloroethene	ug/L	13.2	50	50	68.8	69.9	111	113	70-130	2	20			
Trichlorofluoromethane	ug/L	<0.48	50	50	55.4	55.2	111	110	50-150	0	20			
Vinyl chloride	ug/L	<0.18	50	50	52.7	52.0	105	104	59-144	1	20			
4-Bromofluorobenzene (S)	%						104	102	43-137					
Dibromofluoromethane (S)	%						99	97	70-130					
Toluene-d8 (S)	%						99	98	55-137					

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QUALIFIERS

Project: 5403 PIONEER BANK
Pace Project No.: 4082769

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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.: 4082769

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4082769001	MW1	EPA 8260	MSV/20852		
4082769002	MW2	EPA 8260	MSV/20848		
4082769003	MW3	EPA 8260	MSV/20852		
4082769004	MW4	EPA 8260	MSV/20852		
4082769005	MW5	EPA 8260	MSV/20852		
4082769006	MW6	EPA 8260	MSV/20852		
4082769007	MW7R	EPA 8260	MSV/20852		
4082769008	MW8	EPA 8260	MSV/20852		
4082769009	MW10	EPA 8260	MSV/20852		
4082769010	PZ1	EPA 8260	MSV/20852		
4082769011	PZ2	EPA 8260	MSV/20852		

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Sample Condition Upon Receipt

Client Name: RET Project # 4082769

Courier: Fed Ex UPS USPS Client Commercial Pace Other Walter
Tracking #: 390876

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 SR44 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4 / Corr: 4 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

Person examining contents:
Date: 8-13-13
Initials: SKW

Comments:

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 <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr): <u>2/3/3</u>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	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 <input type="checkbox"/> N/A	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>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions (VOA, dolliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
		Lab Std #ID of preservative
		Date/Time:
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
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: 8-13-13

APPENDIX E

**MONITORING WELL CONSTRUCTION AND
WELL DEVELOPMENT FORMS**



Route To: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name Pioneer Bank	County Name Wood	Well Name MW7
Facility Licence, Permit or Monitoring Number	County Code 71	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other _____

3. Time spent developing well 45 min.

4. Depth of well (from top of Casing) 19.3 ft.

5. Inside diameter of well 2.07 in.

6. Volume of water in filter pack and well casing 10.3 gal.

7. Volume of water removed from well 20 gal.

8. Volume of water added (If any) gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 3.77 ft.	12.14 ft.
Data mm/dd/yy	b. 8-12-13	8-12-13
Time	c. 9:30 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	10:15 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.
12. Sediment in well bottom	6 inches	0 inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

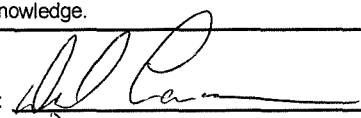
16. Additional comments on development:
Well pumped dry, but recovered quickly

Well developed by: Person's Name and Firm

Name: David Larsen (REI)

Firm: REI Engineering, Inc.
4020 N 20th Ave.
Wausau, WI 54401

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Initials: DNL

Firm: REI Engineering, Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route To: Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name Pioneer Bank	County Name Wood	Well Name PZ 2
Facility Licence, Permit or Monitoring Number	County Code 71	Wis. Unique Well Number
		DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other _____

3. Time spent developing well 60 min.

4. Depth of well (from top of Casing) 37.19 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 19.5 gal.

7. Volume of water removed from well 35 gal.

8. Volume of water added (If any) gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 16.66 ft.	16.66 ft.
Data mm/dd/yy	b. 11/7/12	11/7/12
Time	c. 11:00 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	12:00 <input checked="" type="checkbox"/> p.m. <input type="checkbox"/> a.m.
12. Sediment in well bottom	.04 inches	0 inches
13. Water clarity (Describe)	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Additional comments on development:
Well was turbid when starting development and then cleared at end- bailed down some but not dry

Well developed by: Person's Name and Firm	I hereby certify that the above information is true and correct to the best of my knowledge.
Name: <u>Jared Szews</u>	Signature: <u></u>
Firm: <u>REI Engineering, Inc.</u> 4020 N 20th Ave. Wausau, WI 54401	Print Initials: <u>JMS</u>
	Firm: <u>REI Engineering, Inc.</u>

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Facility/Project Name Pioneer Bank	County Name Wood	Well Name MW 10	
Facility Licence, Permit or Monitoring Number	County Code 71	Wis. Unique Well Number	DNR Well Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other _____

3. Time spent developing well 30 min.

4. Depth of well (from top of Casing) 19.11 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 4.75 gal.

7. Volume of water removed from well 5 gal.

8. Volume of water added (If any) gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 14.08 ft.	17.99 ft.
Data mm/dd/yy	b. 11/7/12	11/7/12
Time	c. 10:30 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.	11:00 <input type="checkbox"/> p.m. <input checked="" type="checkbox"/> a.m.
12. Sediment in well bottom	0 inches	0 inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe)	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe)
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	mg/l	mg/l
15. COD	mg/l	mg/l

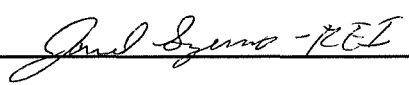
16. Additional comments on development:
Well bails dry quickly

Well developed by: Person's Name and Firm

Name: Jared Szews

Firm: REI Engineering, Inc.
4020 N 20th Ave.
Wausau, WI 54401

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: 

Print Initials: JMS

Firm: REI Engineering, Inc.

NOTE: Shaded areas are for DNR use only. See instructions for more information including a list of county codes.

Route To Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name Pioneer Bank	Local Grid Location of Well Feet S. ___ Feet W. ___ Feet N. ___ Feet E. ___	Well Name MW7R
Facility License Permit or Monitoring Number BRRTS# 02-07-522339	Grid Origin Location	Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 1 Piezometer <input type="checkbox"/> 2	Section Location of Waste/Source <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 5/22/2013
Distance Well Is From Waste/Source Boundary Ft. ___	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By (Person's Name and Firm) MES (Joe Black)
Is Well A Point of Enforcement Std. Application <input type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom 1 ft. MSL or _____ ft.

12. USCS Classification of soil near screen:

GP <input type="checkbox"/>	GM <input type="checkbox"/>	GC <input type="checkbox"/>	GW <input type="checkbox"/>	SW <input checked="" type="checkbox"/>	SP <input type="checkbox"/>
SM <input type="checkbox"/>	SC <input type="checkbox"/>	ML <input type="checkbox"/>	MH <input type="checkbox"/>	CL <input type="checkbox"/>	CH <input type="checkbox"/>
Bedrock <input type="checkbox"/>					

13. Sieve analysis attached? Yes No

14. Drilling method used
Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis):

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel 04
Other

d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
Annular space seal
Other

5. Annular space seal:
a. Granular Bentonite 33
b. _____ Lbs/gal mud weight _____ Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight _____ Bentonite slurry 31
d. _____ % Bentonite _____ Bentonite-cement grout 50
e. 2.6 ft³ Volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite Granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
c. _____ Other

7. Fine sand material Manufacturer, product name and mesh size
a. #15
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. #40
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson Screen
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter Pack): None 14
Other

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 8 ft.

G. Filter pack, top _____ ft. MSL or 9 ft.

H. Screen joint, top _____ ft. MSL or 10 ft.

I. Well bottom _____ ft. MSL or 20 ft.

J. Filter pack, bottom _____ ft. MSL or 20 ft.

K. Borehole, bottom _____ ft. MSL or 20 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.32 in.

N. I.D. well casing 2.07 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature [Signature] Firm REI Engineering, Inc.
4080 N. 20th Ave.
Wausau, WI 54401

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160 Wis. Stats. and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144 Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147 Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. see instructions for more information including where the completed form should be sent.

Route To Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name Pioneer Bank	Local Grid Location of Well Feet S. ___ Feet W. ___ Feet N. ___ Feet E. ___	Well Name MW10
Facility License Permit or Monitoring Number BRRTS# 02-07-522339	Grid Origin Location	Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well <input checked="" type="checkbox"/> 11 Piezometer <input type="checkbox"/> 2	Section Location of Waste/Source <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 10/17/2012
Distance Well Is From Waste/Source Boundary Ft. ___	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By (Person's Name and Firm) MES (Joe Black)
Is Well A Point of Enforcement Std. Application <input type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom 1 ft. MSL or _____ ft.

12. USCS Classification of soil near screen:

GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 7.5 ft.

G. Filter pack, top _____ ft. MSL or 8.5 ft.

H. Screen joint, top _____ ft. MSL or 9.5 ft.

I. Well bottom _____ ft. MSL or 19.5 ft.

J. Filter pack, bottom _____ ft. MSL or 19.5 ft.

K. Borehole, bottom _____ ft. MSL or 19.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.32 in.

N. I.D. well casing 2.07 in.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel 04
Other
d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
Annular space seal
Other

5. Annular space seal:
a. Granular Bentonite 33
b. _____ Lbs/gal mud weight _____ Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight _____ Bentonite slurry 31
d. _____ % Bentonite _____ Bentonite-cement grout 50
e. 2.6 ft³ Volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite Granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
c. _____ Other

7. Fine sand material Manufacturer, product name and mesh size
a. #15
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. #40
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson Screen
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter Pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature [Signature] Firm REI Engineering, Inc.
4080 N. 20th Ave.
Wausau, WI 54401

Route To Solid Waste Haz. Waste Wastewater
Env. Response & Repair Underground Tanks Other

Facility/Project Name Pioneer Bank	Local Grid Location of Well Feet S. ___ Feet W. ___ Feet N. ___ Feet E. ___	Well Name PZ2
Facility License Permit or Monitoring Number BRRTS# 02-07-522339	Grid Origin Location	Wis. Unique Well Number DNR Well Number
Type of Well Water Table Observation Well <input type="checkbox"/> 11 Piezometer <input checked="" type="checkbox"/> 12	Section Location of Waste/Source <input type="checkbox"/> E <input type="checkbox"/> W	Date Well Installed 10/17/2012
Distance Well Is From Waste/Source Boundary Ft. ___	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Well Installed By (Person's Name and Firm) MES (Joe Black)
Is Well A Point of Enforcement Std. Application <input type="checkbox"/> Yes <input type="checkbox"/> No		

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom 1 ft. MSL or _____ ft.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel 04
Other
d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
Annular space seal
Other

5. Annular space seal:
a. Granular Bentonite 33
b. _____ Lbs/gal mud weight _____ Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight _____ Bentonite slurry 31
d. _____ % Bentonite _____ Bentonite-cement grout 50
e. 2.6 ft³ Volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite Granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite pellets 32
c. _____ Other

7. Fine sand material Manufacturer, product name and mesh size
a. #15
b. Volume added _____ ft³

8. Filter pack material: Manufacturer, product name and mesh size
a. #40
b. Volume added _____ ft³

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson Screen
c. Slot size: 0.10 in.
d. Slotted length: 5 ft.

11. Backfill material (below filter Pack): None 14
Other

12. USCS Classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis attached? Yes No

14. Drilling method used Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No
Describe _____

17. Source of water (attach analysis):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 28 ft.

G. Filter pack, top _____ ft. MSL or 29 ft.

H. Screen joint, top _____ ft. MSL or 30 ft.

I. Well bottom _____ ft. MSL or 40 ft.

J. Filter pack, bottom _____ ft. MSL or 40 ft.

K. Borehole, bottom _____ ft. MSL or 40 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.32 in.

N. I.D. well casing 2.07 in.

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature [Signature] Firm REI Engineering, Inc.
4080 N. 20th Ave.
Wausau, WI 54401

Please complete both sides of this form and return to the appropriate DNR office listed at the top of this form as required by chs. 144, 147 and 160 Wis. Stats. and ch. NR 141, Wis. Ad. Code. In accordance with ch. 144 Wis. Stats., failure to file this form may result in a forfeiture of not less than \$10, nor more than \$5000 for each day of violation. In accordance with ch. 147 Wis. Stats., failure to file this form may result in a forfeiture of not more than \$10,000 for each day of violation. NOTE: Shaded areas are for DNR use only. see instructions for more information including where the completed form should be sent.

APPENDIX F

VAPOR LABORATORY ANALYTICAL REPORT





Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

August 28, 2013

David Larsen
REI Engineering
4080 N. 20th Ave
Wausau, WI 54401

RE: Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Dear David Larsen:

Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10238676001	VP #1	Air	08/12/13 11:30	08/14/13 10:10

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10238676001	VP #1	TO-15	AH2	57

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Sample: VP #1	Lab ID: 10238676001	Collected: 08/12/13 11:30	Received: 08/14/13 10:10	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	274	ug/m3	19.4	40.4		08/24/13 11:02	67-64-1	
Benzene	12.6	ug/m3	0.66	2.02		08/24/13 10:35	71-43-2	
Bromodichloromethane	ND	ug/m3	2.7	2.02		08/24/13 10:35	75-27-4	
Bromoform	ND	ug/m3	4.2	2.02		08/24/13 10:35	75-25-2	
Bromomethane	ND	ug/m3	1.6	2.02		08/24/13 10:35	74-83-9	
1,3-Butadiene	ND	ug/m3	0.91	2.02		08/24/13 10:35	106-99-0	
2-Butanone (MEK)	55.4	ug/m3	1.2	2.02		08/24/13 10:35	78-93-3	
Carbon disulfide	6.3	ug/m3	1.3	2.02		08/24/13 10:35	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.3	2.02		08/24/13 10:35	56-23-5	
Chlorobenzene	ND	ug/m3	1.9	2.02		08/24/13 10:35	108-90-7	
Chloroethane	ND	ug/m3	1.1	2.02		08/24/13 10:35	75-00-3	
Chloroform	ND	ug/m3	2.0	2.02		08/24/13 10:35	67-66-3	
Chloromethane	ND	ug/m3	0.85	2.02		08/24/13 10:35	74-87-3	
Cyclohexane	9.5	ug/m3	1.4	2.02		08/24/13 10:35	110-82-7	
Dibromochloromethane	ND	ug/m3	3.5	2.02		08/24/13 10:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.2	2.02		08/24/13 10:35	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.5	2.02		08/24/13 10:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.5	2.02		08/24/13 10:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.5	2.02		08/24/13 10:35	106-46-7	
Dichlorodifluoromethane	2.3	ug/m3	2.0	2.02		08/24/13 10:35	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.7	2.02		08/24/13 10:35	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.83	2.02		08/24/13 10:35	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	2.02		08/24/13 10:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	2.02		08/24/13 10:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	2.02		08/24/13 10:35	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.9	2.02		08/24/13 10:35	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.9	2.02		08/24/13 10:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.9	2.02		08/24/13 10:35	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.9	2.02		08/24/13 10:35	76-14-2	
Ethyl acetate	ND	ug/m3	1.5	2.02		08/24/13 10:35	141-78-6	
Ethylbenzene	12.2	ug/m3	1.8	2.02		08/24/13 10:35	100-41-4	
4-Ethyltoluene	6.2	ug/m3	2.0	2.02		08/24/13 10:35	622-96-8	
n-Heptane	13.4	ug/m3	1.7	2.02		08/24/13 10:35	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.4	2.02		08/24/13 10:35	87-68-3	
n-Hexane	26.4	ug/m3	1.5	2.02		08/24/13 10:35	110-54-3	
2-Hexanone	6.5	ug/m3	1.7	2.02		08/24/13 10:35	591-78-6	
Methylene Chloride	3.5	ug/m3	1.4	2.02		08/24/13 10:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	4.8	ug/m3	1.7	2.02		08/24/13 10:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.5	2.02		08/24/13 10:35	1634-04-4	
Propylene	16.9	ug/m3	0.71	2.02		08/24/13 10:35	115-07-1	
Styrene	ND	ug/m3	1.8	2.02		08/24/13 10:35	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.4	2.02		08/24/13 10:35	79-34-5	
Tetrachloroethene	79.6	ug/m3	1.4	2.02		08/24/13 10:35	127-18-4	
Tetrahydrofuran	ND	ug/m3	1.2	2.02		08/24/13 10:35	109-99-9	
Toluene	148	ug/m3	1.6	2.02		08/24/13 10:35	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.1	2.02		08/24/13 10:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	2.2	2.02		08/24/13 10:35	71-55-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 5403 Pioneer Bank
 Pace Project No.: 10238676

Sample: VP #1		Lab ID: 10238676001	Collected: 08/12/13 11:30	Received: 08/14/13 10:10	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,2-Trichloroethane	ND	ug/m3	1.1	2.02		08/24/13 10:35	79-00-5	
Trichloroethene	7.4	ug/m3	1.1	2.02		08/24/13 10:35	79-01-6	
Trichlorofluoromethane	137	ug/m3	2.3	2.02		08/24/13 10:35	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	3.2	2.02		08/24/13 10:35	76-13-1	
1,2,4-Trimethylbenzene	19.0	ug/m3	2.0	2.02		08/24/13 10:35	95-63-6	
1,3,5-Trimethylbenzene	5.3	ug/m3	2.0	2.02		08/24/13 10:35	108-67-8	
Vinyl acetate	ND	ug/m3	1.4	2.02		08/24/13 10:35	108-05-4	
Vinyl chloride	ND	ug/m3	0.53	2.02		08/24/13 10:35	75-01-4	
m&p-Xylene	47.0	ug/m3	3.6	2.02		08/24/13 10:35	179601-23-1	
o-Xylene	15.1	ug/m3	1.8	2.02		08/24/13 10:35	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 Pioneer Bank
 Pace Project No.: 10238676

QC Batch: AIR/18076 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10238676001

METHOD BLANK: 1509598 Matrix: Air
 Associated Lab Samples: 10238676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	08/23/13 22:32	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	08/23/13 22:32	
1,1,2-Trichloroethane	ug/m3	ND	0.55	08/23/13 22:32	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	08/23/13 22:32	
1,1-Dichloroethane	ug/m3	ND	0.82	08/23/13 22:32	
1,1-Dichloroethene	ug/m3	ND	0.81	08/23/13 22:32	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	08/23/13 22:32	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	08/23/13 22:32	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	08/23/13 22:32	
1,2-Dichlorobenzene	ug/m3	ND	1.2	08/23/13 22:32	
1,2-Dichloroethane	ug/m3	ND	0.41	08/23/13 22:32	
1,2-Dichloropropane	ug/m3	ND	0.94	08/23/13 22:32	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	08/23/13 22:32	
1,3-Butadiene	ug/m3	ND	0.45	08/23/13 22:32	
1,3-Dichlorobenzene	ug/m3	ND	1.2	08/23/13 22:32	
1,4-Dichlorobenzene	ug/m3	ND	1.2	08/23/13 22:32	
2-Butanone (MEK)	ug/m3	ND	0.60	08/23/13 22:32	
2-Hexanone	ug/m3	ND	0.83	08/23/13 22:32	
4-Ethyltoluene	ug/m3	ND	1.0	08/23/13 22:32	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	08/23/13 22:32	
Acetone	ug/m3	ND	0.48	08/23/13 22:32	
Benzene	ug/m3	ND	0.32	08/23/13 22:32	
Bromodichloromethane	ug/m3	ND	1.4	08/23/13 22:32	
Bromoform	ug/m3	ND	2.1	08/23/13 22:32	
Bromomethane	ug/m3	ND	0.79	08/23/13 22:32	
Carbon disulfide	ug/m3	ND	0.63	08/23/13 22:32	
Carbon tetrachloride	ug/m3	ND	0.64	08/23/13 22:32	
Chlorobenzene	ug/m3	ND	0.94	08/23/13 22:32	
Chloroethane	ug/m3	ND	0.54	08/23/13 22:32	
Chloroform	ug/m3	ND	0.99	08/23/13 22:32	
Chloromethane	ug/m3	ND	0.42	08/23/13 22:32	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	08/23/13 22:32	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	08/23/13 22:32	
Cyclohexane	ug/m3	ND	0.70	08/23/13 22:32	
Dibromochloromethane	ug/m3	ND	1.7	08/23/13 22:32	
Dichlorodifluoromethane	ug/m3	ND	1.0	08/23/13 22:32	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	08/23/13 22:32	
Ethyl acetate	ug/m3	ND	0.73	08/23/13 22:32	
Ethylbenzene	ug/m3	ND	0.88	08/23/13 22:32	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	08/23/13 22:32	
m&p-Xylene	ug/m3	ND	1.8	08/23/13 22:32	
Methyl-tert-butyl ether	ug/m3	ND	0.73	08/23/13 22:32	
Methylene Chloride	ug/m3	ND	0.71	08/23/13 22:32	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 Pioneer Bank
 Pace Project No.: 10238676

METHOD BLANK: 1509598 Matrix: Air

Associated Lab Samples: 10238676001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	08/23/13 22:32	
n-Hexane	ug/m3	ND	0.72	08/23/13 22:32	
o-Xylene	ug/m3	ND	0.88	08/23/13 22:32	
Propylene	ug/m3	ND	0.35	08/23/13 22:32	
Styrene	ug/m3	ND	0.87	08/23/13 22:32	
Tetrachloroethene	ug/m3	ND	0.69	08/23/13 22:32	
Tetrahydrofuran	ug/m3	ND	0.60	08/23/13 22:32	
Toluene	ug/m3	ND	0.77	08/23/13 22:32	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	08/23/13 22:32	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	08/23/13 22:32	
Trichloroethene	ug/m3	ND	0.55	08/23/13 22:32	
Trichlorofluoromethane	ug/m3	ND	1.1	08/23/13 22:32	
Vinyl acetate	ug/m3	ND	0.72	08/23/13 22:32	
Vinyl chloride	ug/m3	ND	0.26	08/23/13 22:32	

LABORATORY CONTROL SAMPLE: 1509599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.7	100	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	62.5	90	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	50.7	91	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	74.5	96	65-130	
1,1-Dichloroethane	ug/m3	41.2	39.5	96	66-131	
1,1-Dichloroethene	ug/m3	40.3	38.3	95	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	65.3	86	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	43.9	88	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	73.3	94	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	51.6	84	68-148	
1,2-Dichloroethane	ug/m3	41.2	40.6	99	66-136	
1,2-Dichloropropane	ug/m3	47	47.7	101	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	44.6	89	69-136	
1,3-Butadiene	ug/m3	22.5	21.7	97	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	53.4	87	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	53.6	88	66-134	
2-Butanone (MEK)	ug/m3	30	28.4	95	69-141	
2-Hexanone	ug/m3	41.7	38.1	91	74-132	
4-Ethyltoluene	ug/m3	50	44.6	89	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	38.9	93	74-131	
Acetone	ug/m3	24.2	20.6	85	62-142	
Benzene	ug/m3	32.5	34.2	105	72-136	
Bromodichloromethane	ug/m3	68.2	62.4	92	69-135	
Bromoform	ug/m3	105	90.1	86	72-133	
Bromomethane	ug/m3	39.5	37.5	95	65-125	
Carbon disulfide	ug/m3	31.7	29.0	92	68-127	
Carbon tetrachloride	ug/m3	64	65.1	102	64-133	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 5403 Pioneer Bank
 Pace Project No.: 10238676

LABORATORY CONTROL SAMPLE: 1509599

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/m3	46.8	42.7	91	65-135	
Chloroethane	ug/m3	26.8	24.3	90	63-129	
Chloroform	ug/m3	49.7	47.7	96	66-129	
Chloromethane	ug/m3	21	20.2	96	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	40.4	100	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	41.9	91	75-137	
Cyclohexane	ug/m3	35	32.1	92	73-139	
Dibromochloromethane	ug/m3	86.6	76.0	88	73-130	
Dichlorodifluoromethane	ug/m3	50.3	48.5	96	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	68.6	97	64-131	
Ethyl acetate	ug/m3	36.6	35.2	96	73-136	
Ethylbenzene	ug/m3	44.2	39.9	90	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	92.0	85	30-150	
m&p-Xylene	ug/m3	44.2	39.5	90	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	39.5	108	71-134	
Methylene Chloride	ug/m3	35.3	30.3	86	59-140	
n-Heptane	ug/m3	41.7	38.7	93	73-136	
n-Hexane	ug/m3	35.8	32.9	92	67-136	
o-Xylene	ug/m3	44.2	39.4	89	74-135	
Propylene	ug/m3	17.5	17.0	97	66-138	
Styrene	ug/m3	43.3	39.5	91	73-135	
Tetrachloroethene	ug/m3	69	60.9	88	66-135	
Tetrahydrofuran	ug/m3	30	28.9	96	73-130	
Toluene	ug/m3	38.3	39.3	102	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	39.3	98	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	41.8	91	75-129	
Trichloroethene	ug/m3	54.6	58.9	108	68-134	
Trichlorofluoromethane	ug/m3	57.1	53.7	94	61-134	
Vinyl acetate	ug/m3	35.8	37.2	104	70-139	
Vinyl chloride	ug/m3	26	24.8	95	64-134	

SAMPLE DUPLICATE: 1510727

Parameter	Units	10239556003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND			25
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND			25
1,1,2-Trichloroethane	ug/m3	ND	ND			25
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND			25
1,1-Dichloroethane	ug/m3	ND	ND			25
1,1-Dichloroethene	ug/m3	ND	ND			25
1,2,4-Trichlorobenzene	ug/m3	ND	ND			25
1,2,4-Trimethylbenzene	ug/m3	3.8	4.1		8	25
1,2-Dibromoethane (EDB)	ug/m3	ND	ND			25
1,2-Dichlorobenzene	ug/m3	ND	ND			25
1,2-Dichloroethane	ug/m3	ND	ND			25
1,2-Dichloropropane	ug/m3	ND	ND			25
1,3,5-Trimethylbenzene	ug/m3	ND	1.3J			25

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QUALITY CONTROL DATA

Project: 5403 Pioneer Bank
 Pace Project No.: 10238676

SAMPLE DUPLICATE: 1510727

Parameter	Units	10239556003 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	2.1	2.1	4	25	
2-Hexanone	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	12.3	12.3	.3	25	
Benzene	ug/m3	5.1	5.6	10	25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	7.7	8.5	9	25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	3.2	3.4	5	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	1.8	1.8	.9	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	10	10.6	6	25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	1.1J		25	
n-Heptane	ug/m3	2.0	2.2	9	25	
n-Hexane	ug/m3	3.6	3.8	5	25	
o-Xylene	ug/m3	3.4	3.8	10	25	
Propylene	ug/m3	103	107	4	25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	46.0	50.9	10	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	1.6J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

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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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 5403 Pioneer Bank
Pace Project No.: 10238676

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10238676001	VP #1	TO-15	AIR/18076		

REPORT OF LABORATORY ANALYSIS

Date: 08/28/2013 04:45 PM

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Air Sample Condition Upon Receipt

Client Name: REI

Project #:

WO#: **10238676**



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: Wallyco

Tracking Number: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Other: _____

Temp. (TO17 and TO13 samples only) (°C): amb Corrected Temp (°C): _____ Thermom. Used: B88A912167504 80512447 72337080
 Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 8/14/13

Comments:

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 and/or 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 <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>1 Can / FC</u>		11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
<u>UP #1</u>	<u>Pace 2216</u>		<u>FC 0055</u>		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: CDW

Date: 8/16/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)