

July 13, 2015

Mr. Mike Nass
Synergy Investors, LLC
1530 North Dearborn Parkway Apt. 13S
Chicago, Illinois 60610

Subject: July 2015 Progress Report, One Hour Martinizing Site, 1233 S. Military Ave., Green Bay, Wisconsin -- BRRS #02-50-217270 – AECOM Project No. 60310036

Dear Mr. Nass,

This progress report is being submitted by AECOM Technical Services, Inc. (AECOM) to summarize environmental services performed at the One Hour Martinizing site, 1233 South Military Avenue, Green Bay, Wisconsin. The report provides results of environmental testing services between late 2013 and June 2015 including monitoring well groundwater sampling, sump water sampling, and vapor monitoring. The services were described in two proposals: one dated June 2013 and one January 2015. The proposals were provided to the Wisconsin Department of Natural Resources (WDNR) for eventual reimbursement via the Wisconsin Dry Cleaner Environmental Reimbursement Fund (DERF). Results of the sump water and vapor sampling are prompting recommendations for further remedial action.

Background

A brief summary of site activities follows:

- In 1967, the One Hour Martinizing (dry cleaning) facility began operation.
- In 1972, Mr. Peter Fink acquired the property as a partnership along with two other partners.
- In 1975, Mr. Fink bought the interests of his other two partners and operated the business as a proprietorship until 1997, when the business was incorporated.
- In 1999 a Phase II environmental assessment identified tetrachloroethylene (PCE) contamination associated with the dry-cleaning operations. AECOM's heritage company STS Consultants, Ltd., was retained by the property owner to conduct a subsurface investigation which included installation of 10 monitoring wells/piezometers and associated soil testing and groundwater quality monitoring.
- In 2002, the WDNR approved natural attenuation monitoring as the remedial action on the site.

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- From 2002 to 2007 groundwater samples were collected for natural attenuation monitoring. A May 2007 groundwater sampling event indicated that PCE concentrations had decreased.
- In 2008, the property was acquired by Synergy Investors, LLC, of Green Bay, Wisconsin, after Mr. Fink passed away.
- In March 2011 and May 2013, the WDNR requested a status update including collection of a round of groundwater samples and soil vapor assessment.
- On June 28, 2013, AECOM provided a Work Plan and Cost Estimate proposal to conduct two rounds of groundwater monitoring of existing monitoring wells.
- In the first half of 2015, AECOM developed a proposal for vapor sampling. AECOM, WDNR, and Synergy discussed locations for vapor testing. It was decided that four sumps in the building would be sampled along with one temporary vapor well installed in a utility trench on the east side of the building. Water samples would also be collected from the sumps.

The following describes procedures and the results of the sampling conducted, and provides recommendations for further actions.

Procedures and Results of Testing

1.0 Groundwater Monitoring

AECOM mobilized to the site on two occasions (November 2013 and March 2014). Groundwater samples were collected from the ten groundwater monitoring wells/piezometers to assess current volatile organic compounds (VOC) along with natural attenuation parameters including methane, ethane, ethane, chloride, sulfate, and nitrate/nitrite. Groundwater elevations were also measured. The groundwater samples were submitted to Pace Analytical Laboratory (Pace) in Green Bay, Wisconsin, for analyses.

Results of the groundwater monitoring are attached. Groundwater monitoring results continue to show that VOC concentrations in Monitoring Wells MW-2, MW-5, MW-7, and PZ-6 are below Wisconsin Administrative Code Chapter NR 140 enforcement standards (ES), preventive action limits (PAL), and in most cases below method detection limits. Further, review of the data indicates that although chlorinated VOC concentrations remain above the ES in Monitoring Wells MW-1, MW-3, MW-6, and PZ-1, these concentrations are decreasing over time. The compounds with regulatory exceedances are primarily tetrachlorethene (PCE), trichlorethene (TCE), cis & trans 1,2 dichloroethene (cis & trans 1,2-DCE), and vinyl chloride. Natural attenuation monitoring indicates some chloride generation in MW-1, possibly indicating reductive de-chlorination of VOCs. A comparison of water elevations measured in 2013 and 2014 to historic water levels indicates groundwater elevation and flow direction is highly variable, likely dependent on precipitation events and buried utilities.

2.0 Sump Water Monitoring

In addition to the vapor monitoring discussed below, the WDNR also requested sampling of water in the sumps in the partial basement of the south half of the complex housing One Hour Martinizing.

On June 10, 2015, water samples were collected from three sumps (18-inch sump, 48-inch sump, boiler room sump) depicted in the attached photolog, and submitted to Pace for VOC analysis. The ejector pit did not have enough volume of water for sampling. These sample results are summarized on Table 2. A review of Table 2 indicates chlorinated VOCs above ES levels are present in the sumps and will need to be further addressed.

3.0 Vapor Monitoring

On June 10, 2015, AECOM conducted vapor sampling at five locations along the east side of the facility as depicted on the attached photolog. A brief description of the vapor sample locations follows:

Temporary Vapor Well (Photo 1) was installed along the east side of the building in a utility trench between a water service line and natural gas line going into the building, just south of Monitoring Well MW-3. The well was installed by advancing a hand auger to a depth of 4 feet (just above the water table), installing a 5-foot long piece of 1-inch PVC with the bottom 2 feet consisting of well screen. Filter pack sand was placed in the annulus near the screen and hydrated bentonite in the annulus around solid riser pipe. After using a shop vac to remove some stagnant vapor, a Summa Canister was connected via tubing to collect a vapor sample. This canister along with the other four described below were submitted to Pace for EPA TO-15 vapor analysis for chlorinated VOCs (PCE, TCE, cis/trans-DCE, and vinyl chloride). Pace's lab data is attached and indicates PCE detections in the utility trench.

The Boiler Room Sump (Photo 2) was sampled for vapor using a hydrated bentonite paste securing a piece of plastic sheeting over the sump. Due to many obstructions, it was not possible to use a helium shroud over the sump locations. Pace's lab data is attached and indicates PCE and TCE vapor concentrations in the sump above screening limits.

The 18-inch and 48-inch sumps (Photo 3 and 4) were also sealed using plastic sheeting but obstructions around the sumps likewise prevented use of a helium shroud. A review of the lab results indicates detection of one or more of the five chlorinated VOC compounds with screening level exceedances in the 48-inch sump.

The Sewer Ejector Pit (Photos 5 & 6) was also sampled for vapors. The cover is designed to create a vapor tight seal. Consequently, the vapor sample was collected with the cover in place; the vent pipe cut and capped; and, the tubing and canister connected to the capped vent pipe. Chlorinated VOCs were also detected in the ejector pipe.

Conclusions and Recommendations

Recent and historic groundwater quality monitoring indicates that although chlorinated VOC are still present above NR 140 ES values, concentrations are decreasing over time. Given that Monitoring Wells MW-2, MW-5, and MW-7 continued to demonstrate no detections of VOCs, and the historic data at abandoned MW-4 on the west side of the building, it is AECOM's opinion that the groundwater plume is laterally delineated. A vinyl chloride detection in PZ-6 should be monitored to assure that the vertical extent of the plume, as shown in the past, remains delineated.

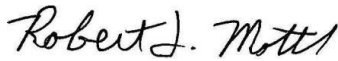
The most significant issues in AECOM's opinion are the detections of chlorinated VOCs in the sump water and vapor, indicating a possibility that VOCs could be migrating into the building basement

via groundwater or vapor movement. At a minimum, AECOM recommends the sumps be capped to reduce the possibility that the sumps are a vapor migration pathway into the building. AECOM also recommends indoor vapor samples be collected in the building basement to determine if more aggressive vapor mitigation may be necessary. Once this report is reviewed by the WDNR we recommend that the next steps for possible VOC vapor mitigation be discussed. Also, we understand that Synergy Investors may have recently sold the property and building to another party which will add a layer of communication to any future investigation work. A site access agreement will need to be developed with the new owner.

We appreciate the opportunity to provide environmental services to Synergy Investments, LLC. Please contact Bob Mottl (920-406-3147) or by email (Robert.mottl@aecom.com) with any questions.

Sincerely,

AECOM Technical Services, Inc.



Robert J. Mottl, P.G.
Senior Project Geologist



James W. Kauer, P.G., P.H.
Associate Geologist



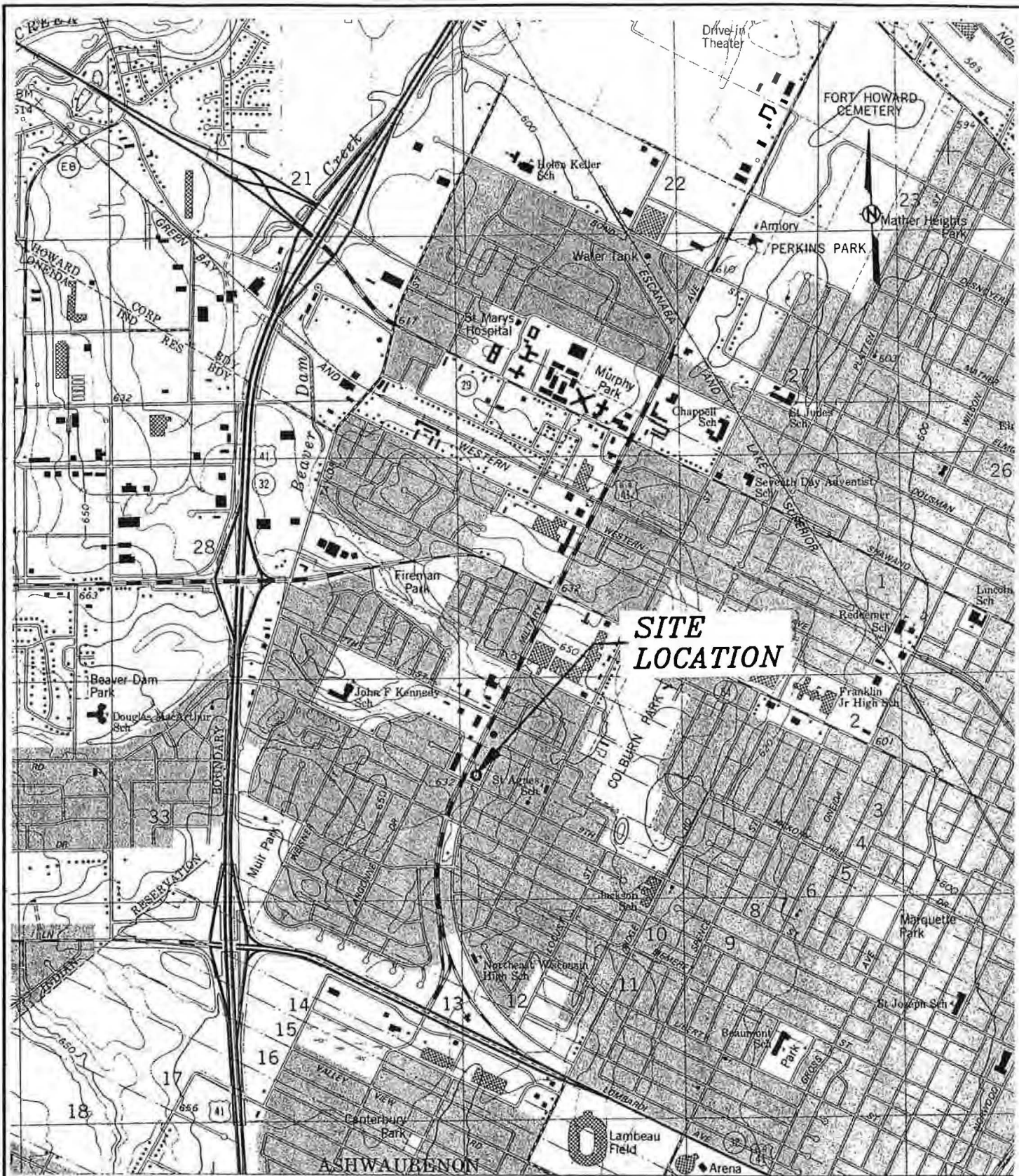
AECOM
1035 Kepler Drive
Green Bay, WI 54311

920.468.1978 tel
920.468.3312 fax

Attachments:

Figure 1 – Site Location
Figure 2 – Groundwater Elevations & PCE Concentrations (11/04/13) Table 1 - Analytical Results (2 pages)
Table 2 – Sump Water Results
Table 3 – Vapor Testing Results
Table 4 – Field Sampling Summary
Concentration versus Time Plots (3 plots)
Photolog (3 pages)
November 15, 2013 Pace Laboratory Report (November 2013 Groundwater Samples)
April 9, 2014 Pace Laboratory Report (March 2014 Groundwater Samples)
June 16, 2015 Pace Laboratory Report (Sump Water Samples)
June 16, 2015 Pace Laboratory Report (Vapor Samples)

Cc: Ms. Kristin DuFresne, Hydrogeologist
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, Wisconsin 54307



BASE MAP SOURCE: USGS GREEN BAY WEST, WISCONSIN 7.5 MINUTE QUADRANGLE (REVISED 1982)







SITE LOCATION DIAGRAM
ONE HOUR MARTINIZING DRY CLEANING
1233 SOUTH MILITARY AVENUE
GREEN BAY, WISCONSIN

DRAWN BY	CPB	02/18/00
CHECKED BY	PMG	02/18/00
APPROVED BY		
CADFILE	SCALE	
ATXT.dwg	1" = 2000'	
STS PROJECT NO.	FIGURE NO.	
24871XF	1	



STS Consultants Ltd.
 Consulting Engineers

Legend


-  Monitoring Well/Piezometer
-  Floor Drain
-  Storm Drain
-  Sump
-  Dry Cleaning Machine
-  Boiler Room

— SAN — Sanitary Sewer

— S — Storm Sewer

— W — Water Main

 Property Boundary

 Partial Basement



Notes:

- 1) Aerial Photography Source: Bing Maps, (c) 2010 Microsoft Corporation and its data suppliers
- 2) Groundwater elevations (GW Elev.) are relative.
- 3) PCE = Tetrachloroethene
- 4) ug/L = micrograms per liter



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Green Bay, WI 54311
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GROUNDWATER ELEVATIONS AND PCE CONCENTRATIONS (11/04/2013)

ONE HOUR MARTINIZING
1233 S. MILLITARY AVE, GREEN BAY, WI

Drawn: KJU 5/12/2014

Approved: RJM 5/12/2014

Scale: 1 in = 70 ft

PROJECT NUMBER 60310036

FIGURE NUMBER 2

Table 1 p.1
Groundwater Analytical Results
One Hour Martinizing
1223 S. Military Avenue
Green Bay, Wisconsin

Analyte	Volatile Organic Compounds												Natural Attenuation Parameters									
	Benzene µg/L	cis-1,2-Dichloro- ethene µg/L	1,1-Dichloro- ethene µg/L	Ethyl- benzene µg/L	Bromodichloro- methane µg/L	Methylene Chloride µg/L	Naphthalene µg/L	Tetrachloro- ethene µg/L	Trichloro- ethene µg/L	Toluene µg/L	Trans-1,2-Dichloro- ethene µg/L	1,1,1-Trichloro- ethene µg/L	Trimethyl- benzenes µg/L	Vinyl Chloride µg/L	Xylenes	Nitrate/ Nitrite mg/L	Ethane µg/L	Ethene µg/L	Methane µg/L	Chloride mg/L	Sulfate mg/L	
MW-1	06/17/99	<94	<93	<55	<97	<124	<127	<41	22800	233 (p)	<55	<105	<257 (p)	<405	<70	<285	-	-	-	-	-	-
	01/04/00	<0.19	62	0.38	<0.19	2.4	<0.25	<0.082	13400	85	0.13	0.33	<0.3	<0.81	<0.14	<0.39	11	<14	<14	1100	72	40
	10/30/00	<0.19	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	3.1	<0.098	<0.11	<0.17	<0.13	0.35	<0.23	<0.3	14	<14	<14	12	56	45
	04/29/04	<41	89	<57	<54	<56	<43	<74	9100	120	<67	<89	<90	<180	<18	<263	17	<10	<10	<10	89	60
	07/28/04	<20	84	<28	<27	<28	<22	<37	9400	110	<34	<44	<45	<90	<9.0	<132	33	<10	<10	<10	97	65
	10/28/04	<100	<210	<140	<140	<140	<110	<180	12000	<120	<170	<220	<220	<450	<45	<660	21	<10	<10	<10	97	56
	01/27/05	<51	<11	<71	<68	<70	<54	<92	11000	81	<84	<110	<110	<220	<22	<320	21	<10	<10	<10	110	51
	10/24/06	<41	<83	<57	<54	<56	<43	<74	7500	81	<67	<89	<90	<180	-	<263	20	<10	<10	<10	88	66
	05/01/07	<41	<19	<57	<54	<56	<43	<74	6100	88	<67	<89	<90	<180	<18	<263	22	<10	<10	<10	76	70
	11/04/13	<12.5	<10.5	<10.7	<12.5	<11.3	<9.0	<62.5	3.120	12.6J	<11.0	<9.3	<11.1	<25	<4.6	<32.9	8.2	<0.36	<0.30	<0.64	213	60.6
	03/27/14	<12.5	<10.5	<10.7	<12.5	<11.3	<9.0	<62.5	3.210	11.7J	<11.0	<9.3	<11.1	<25	<4.6	<32.9	10.3	<0.58	<0.52	<1.4	216	64.3
MW-2	06/17/99	<0.19	<0.19	<0.11	<0.19	<0.25	<0.25	<0.08	<0.34	<0.21	<0.11	<0.21	<0.30	<0.81	<0.14	<0.57	-	-	-	-	-	-
	01/04/00	<0.19	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.34	<0.21	<0.11	<0.21	<0.30	<0.81	<0.14	<0.39	<0.14	<14	<14	11	17	32
	10/30/00	<0.19	<0.35	<0.18	<0.13	<0.25	<0.12	<0.082	<0.14	<0.098	<0.11	<0.17	<0.13	<0.23	<0.23	<0.3	<0.069	<14	<14	<7.2	32	35
	04/29/04	<0.41	<0.83	<0.54	<0.54	<0.56	0.5	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	<0.031	<10	<10	<10	79	61
	07/28/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	8.3	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	<0.031	<10	<10	<10	66	52
	10/28/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	11	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	0.15	<10	<10	<10	64	52
	01/27/05	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	0.25	<10	<10	<10	2.4	0.82
	10/24/06	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	-	<2.63	<0.11	<10	<10	<10	37	41
	05/01/07	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	<0.085	<10	<10	<10	88	65
	11/04/13	<0.50	<0.42	<0.43	<0.50	<0.45	<0.36	<2.5	<0.47	<0.36	<0.44	<0.44	<1.0	<0.18	<1.32	<0.055	<0.36	<0.30	<0.64	108	45.5	
	03/27/14	<0.50	<0.42	<0.43	<0.50	<0.45	<0.36	<2.5	<0.47	<0.36	0.44	<0.37	<0.44	<1.0	<0.18	<1.32	0.095	<0.58	<0.52	<1.4	71	60.8
MW-3	06/17/99	<9.4	<9.3	<5.5	<9.7	<12.5	<12.7	<4.1	477	<10.6	<5.5	<10.5	<15.1	<40.5	<7	<28.5	-	-	-	-	-	-
	01/04/00	<0.19	1.8	<0.11	<0.19	<0.25	<0.25	<0.082	489	5.9	<0.11	<0.21	<0.3	<0.81	<0.14	<0.39	16	<14	<14	<7.2	47	38
	10/30/00	<0.19	2.3	<0.18	<0.13	<0.25	<0.12	<0.082	386	5.7	0.19	<0.17	<0.13	<0.23	<0.23	<0.3	10	<14	<14	<7.2	21	34
	04/29/04	<2.0	<4.1	<3.8	<2.7	<2.8	2.6	<3.7	440	5.5	<3.4	<4.4	<4.5	<8.9	<0.90	<13.1	23	<10	<10	<10	130	50
	07/28/04	<1.0	<1.4	<1.4	<1.4	<1.4	<1.1	<1.8	430	3.5	<1.7	<2.2	<2.2	<4.5	<0.45	<6.6	19	<10	<10	<10	170	50
	10/28/04	<2.0	<4.1	<2.8	<2.7	<2.8	<2.2	<3.7	730	5.8	<3.4	<4.4	<4.5	<8.9	<0.90	<13.1	20	<10	<10	<10	210	60
	01/27/05	<2.0	<4.1	<2.8	<2.7	<2.8	<2.2	<3.7	600	5.2	<3.4	<4.4	<4.5	<8.9	<0.90	<13.1	20	<10	<10	<10	180	53
	10/24/06	<1.0	<2.1	<1.4	<1.4	<1.4	<1.1	<1.8	510	2.8	<1.7	<2.2	<2.2	<4.5	-	<6.6	20	<10	<10	<10	96	45
	05/01/07	<2.0	<4.1	<2.8	<2.7	<2.8	<2.2	<3.7	310	2.5	<3.4	<4.4	<4.5	<8.9	<0.90	<13.1	23	<10	<10	<10	110	46
	11/04/13	<0.50	<0.42	<0.43	<0.50	<0.45	<0.36	<2.5	207	0.46J	<0.44	<0.37	<0.44	<1.0	<0.18	<1.32	11.4	<0.36	<0.30	<0.64	137	35.8
	03/27/14	<1.0	<0.84	<0.85	<1.0	<0.91	<0.72	<5.0	133	<0.73	<0.88	<0.74	<0.89	<2.0	<0.37	<2.6	11.5	<0.58	<0.52	<1.4	124	40.1
MW-4	06/17/99	<0.19	<0.19	<0.11	<0.19	<0.25	<0.25	<0.08	<0.34	<0.21	0.47	<0.21	<0.30	<0.81	<0.14	<0.57	-	-	-	-	-	-
	01/04/00	<0.19	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.34	<0.21	<0.11	<0.21	<0.3	<0.81	<0.14	<0.39	<0.14	<14	<14	11	365	339
	10/30/00	<0.19	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	1.0	<0.098	<0.11	<0.17	<0.13	<0.23	<0.23	<0.3	0.25	<14	<14	9.3	407	373
	08/21/01	<0.19	<0.19	<0.18	<0.13	<0.25	<0.25	<0.082	<0.14	<0.098	<0.11	<0.17	<0.13	<0.33	<0.23	<0.3	-	-	-	-	-	-
	04/29/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	1.8	<10	<10	<10	530	53
	07/28/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	1.6	<10	<10	<10	470	340
	10/28/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	1.7	<10	<10	<10	410	330
	01/27/05	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	1.4	<10	<10	<10	400	320
																						Lost during 2006 parking lot repaving by others.
MW-5	01/04/00	<0.19	<0.19	<0.11	<0.19	<0.25	<0.25	<0.082	<0.34	<0.21	<0.11	<0.21	<0.3	<0.81	<0.14	<0.39	1.2	<14	<14	<7.2	1200	258
	10/30/00	<0.19	<0.19	<0.18	<0.13	<0.25	<0.12	<0.082	<0.14	<0.098	<0.11	<0.17	<0.13	<0.23	<0.23	<0.3	2	<14	<14	<7.2	838	243
	04/29/04	<0.41	<0.83	<0.57	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	2.7	<10	<10	<10	800	170
	07/28/04	<0.41	<0.83	<0.75	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	2.4	<10	<10	<10	660	160
	10/28/04	<0.41	<0.83	<0.75	<0.54	<0.56	<0.43	<0.74	<0.45	<0.48	<0.67	<0.89	<0.90	<1.80	<0.18	<2.63	1.6	<10	<10	<10	400	130
	01/27/05	<0.41	<0.83	<0.75	<0.54																	

Table 2
Sump Water Analytical Results
One Hour Martinizing
1223 S. Military Avenue
Green Bay, Wisconsin

Analyte		Volatile Organic Compounds														
		Benzene µg/L	cis 1,2-Dichloro- ethene µg/L	1,1-Dichloro- ethene µg/L	Ethyl- benzene µg/L	Bromodichloro- methane µg/L	Methylene Chloride µg/L	Naphthalene µg/L	Tetrachloro- ethene µg/L	Trichloro- ethene µg/L	Toluene µg/L	Trans-1,2-Dichloro- ethene µg/L	1,1,1-Trichloro- ethane µg/L	Trimethyl- benzenes µg/L	Vinyl Chloride µg/L	Xylenes µg/L
BOILER ROOM	06/10/15	<5.0	<2.6	<41	<5.0	<5.0	<2.3	<25	840	35.5	<5.0	<2.6	<5.0	<10.0	<1.8	<15.0
48-INCH SUMP	06/10/15	<2.5	60.1	<1.2	<2.5	<2.5	<1.2	<12.5	397	67.3	<2.5	1.9 J	<2.5	<5.0	1.9 J	<7.5
18-INCH SUMP	06/10/15	<0.5	1.2	<0.41	<0.5	<0.5	<0.23	<2.5	8.1	2	<0.5	<0.26	<0.5	<1.0	<0.18	<1.5
NR 140 ES		5	70	850	700	0.6	5	100	5	5	800	100	200	480	0.2	2,000
NR140 PAL		0.5	7	85	140	0.06	0.5	10	0.5	0.5	160	20	40	96	0.02	400

µg/L = micrograms per liter

(p) = Reported result is less than the practical quantitation limit

NE = Not established

120	Wisconsin Administrative Code Chapter NR 140 Enforcement Standard (ES) Exceedance
140	Wisconsin Administrative Code Chapter NR 140 Preventive Action Limit (PAL) Exceedance

**Table 3 - Summary of Sub-Slab Soil Vapor Analytical Results
One Hour Martinizing Green Bay, Wisconsin**

Parameter	Sample No. Sample Date	Boiler Room 6/10/2015	Utility Trench 6/10/2015	48" Sump 6/10/2015	18" Sump 6/10/2015	Ejector 6/10/2015	WDNR Vapor Risk Screening levels Lookup Table Values *
							Residential/ Small Commerical Buildings
Cis-1,2-Dichlorothene	(ug/m ³)	326	<0.43	187	19.7	7.6	NL
Trans-1,2-Dichlorothene	(ug/m ³)	83	<0.67	2.1	2.1	<0.70	NL
Tetrachloroethene	(ug/m ³)	15700	957	1900	839	508	1800
Trichloroethene	(ug/m ³)	1900	<0.48	255	65.1	16.9	88
Vinyl Chloride	(ug/m ³)	1.4	<0.34	3.6	<0.33	<0.36	280

Notes:

(ug/m³) = micrograms per cubic meter ; < = Not detected above method detection limit; NL = Not listed

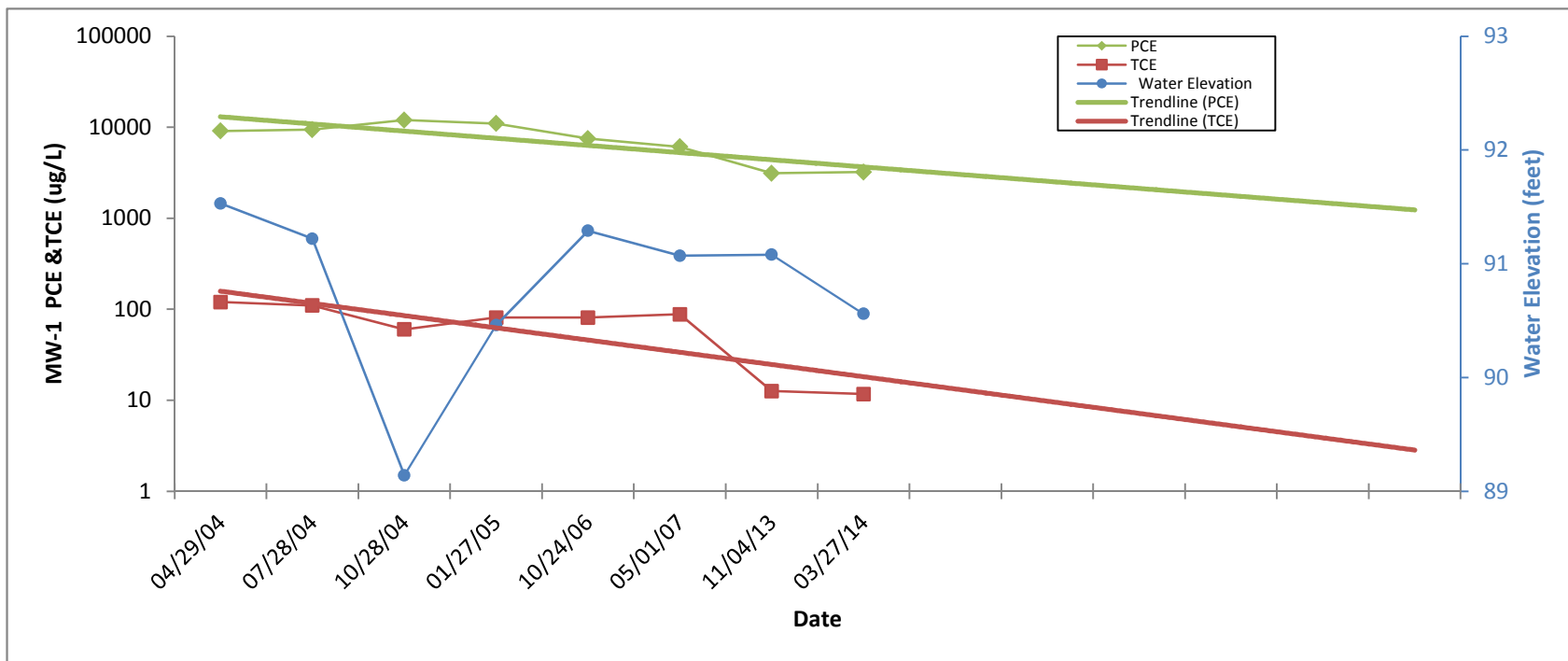
Residential Vapor Screening Level Exceedance Identified By:

100

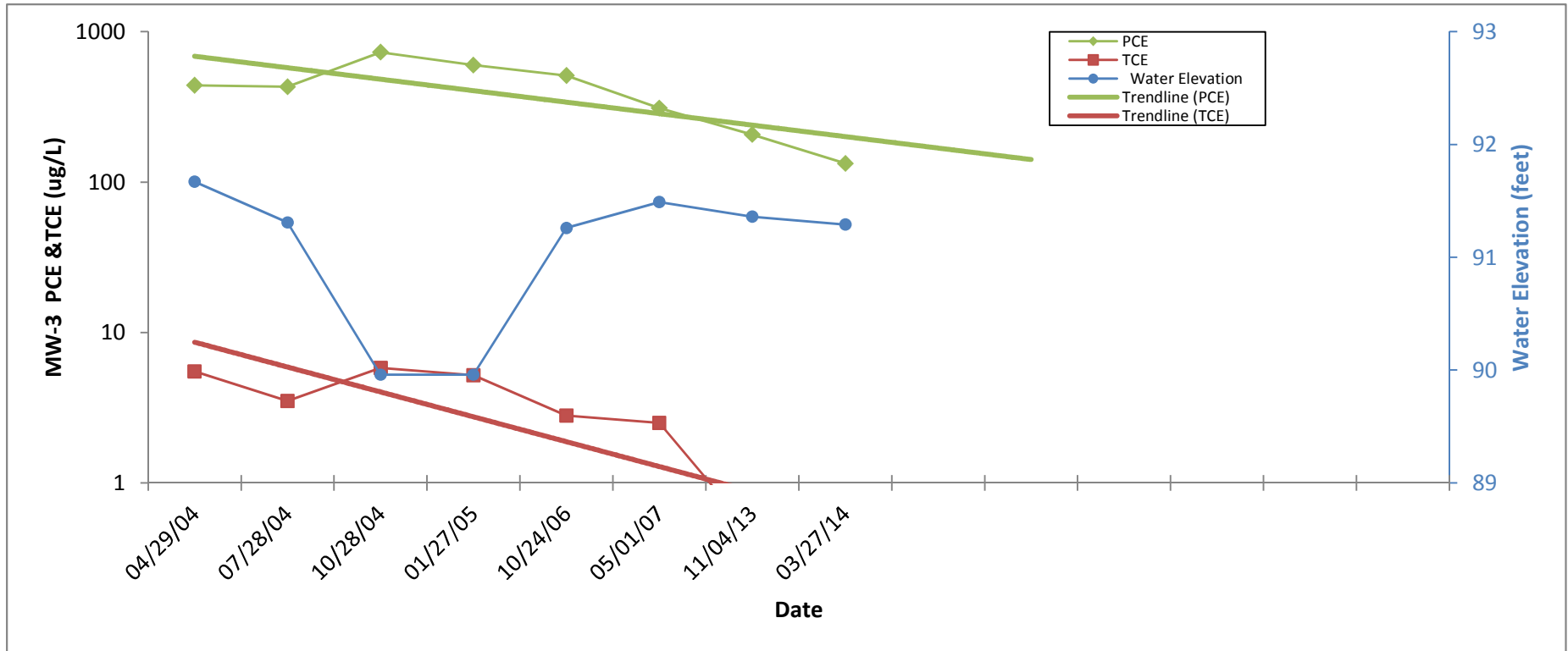
* as per WDNR guidance, lookup values for sub-slab VRSL are determined by multiplying Indoor air action levels found in Regional Screening Tables

(found at: http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm)

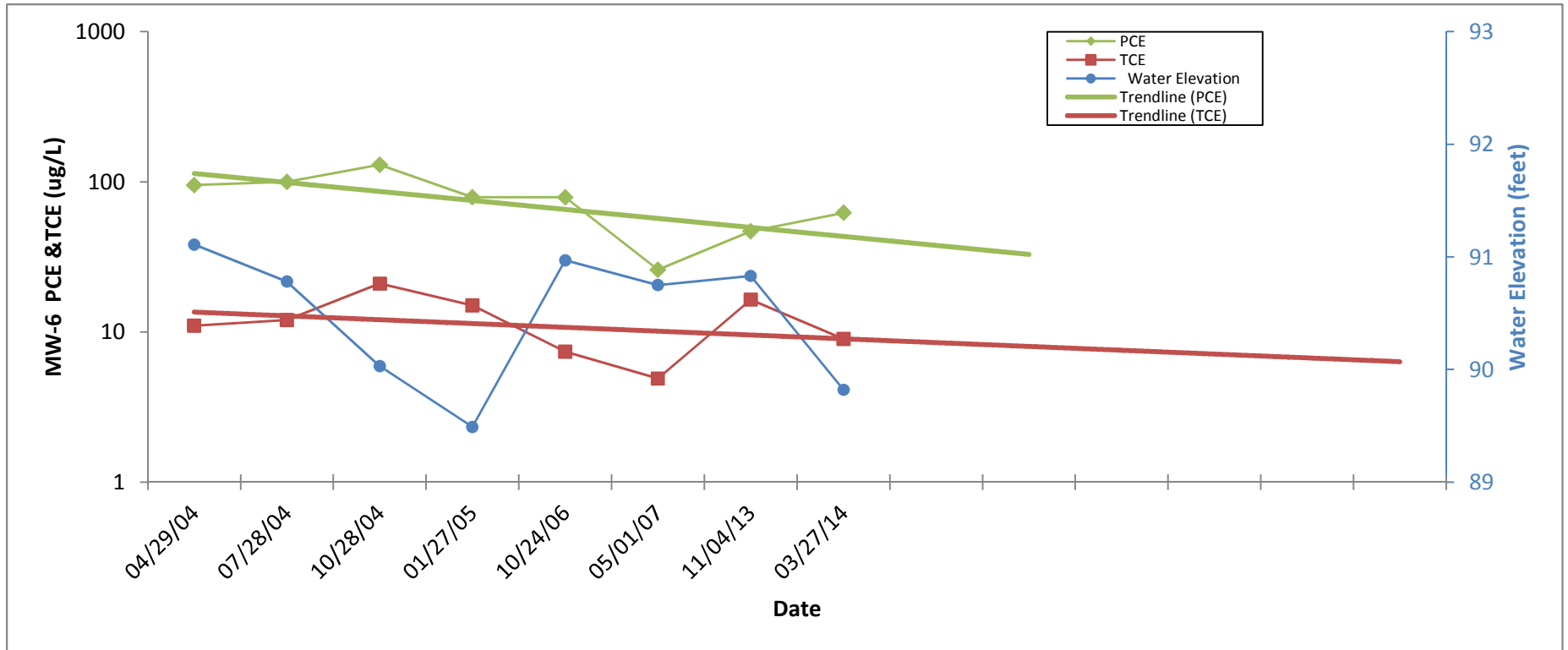
Plot 1
 Concentration vs Water Level vs Time for
 Tetrachloroethene (PCE) and Trichloroethen (TCE)
 One Hour Martinizing
 Green Bay, Wisconsin



Plot 2
Monitoring Well MW-3
Time vs Water Elevation and Dissolved Tetrachloroethene (PCE) /Trichloroethene (TCE) Concentration
One Hour Martinizing, Green Bay, Wisconsin



Plot 3
 Monitoring Well MW-6
 Time vs Water Elevation and Dissolved Tetrachloroethene (PCE) /Trichloroethene (TCE) Concentration
 One Hour Martinizing, Green Bay, Wisconsin



PHOTOGRAPHIC LOG

Client Name: Synergy Investors		Site Location: One Hour Martinizing, Green Bay	Project No.: 60310036
Photo No. 1	Date: 6/10/15		
Direction Photo Taken: North			
Description: Temporary Vapor Well installed between water and gas line and connected to Summa Canister. Well was 4-feet deep, 2-foot screen, and sealed with hydrated bentonite.			

Photo No. 2	Date: 6/10/15		
Direction Photo Taken: West			
Description: Vapor sampling inside boiler room. Bentonite paste was used to help seal plastic sheeting onto floor. Some condensation water from a roof drain is present because the drain was sealed during testing.			

PHOTOGRAPHIC LOG


Client Name: Synergy Investors		Site Location: One Hour Martinizing, Green Bay	Project No.: 60310036
Photo No. 3	Date: 6/10/15		
Direction Photo Taken: North (in basement)			
Description: Vapor sampling 18-inch sump			

Photo No. 4	Date: 6/10/15	
Direction Photo Taken: East (in basement)		
Description: Vapor sampling 48-inch sump. Used 6-mil plastic sheeting to try to seal large opening under a constructed wall.		

PHOTOGRAPHIC LOG



Client Name: Synergy Investors		Site Location: One Hour Martinizing, Green Bay	Project No.: 60310036
Photo No. 5	Date: 6/10/15		
Direction Photo Taken: East (in basement)			
Description: Ejector pit with cover lifted up. No sample-able water in 6 foot deep pit.			

Photo No. 6	Date: 6/10/15	
Direction Photo Taken: South (in basement)		
Description: Vapor sampling vent line from sewer ejector. Vent pipe was cut and the bottom portion capped. A sample port was attached to the side of the pipe. Pipe was repaired after sampling.		

November 15, 2013

Bob Mottl
AECOM, Inc. - GREEN BAY
1035 Kepler Drive
Green Bay, WI 54311

RE: Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4087872

Dear Bob Mottl:

Enclosed are the analytical results for sample(s) received by the laboratory on November 05, 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,



Kang Khang

kang.khang@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

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: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4087872001	MW-1	Water	11/04/13 16:15	11/05/13 12:50
4087872002	PZ-1	Water	11/04/13 16:25	11/05/13 12:50
4087872003	MW-2	Water	11/04/13 15:20	11/05/13 12:50
4087872004	PZ-2	Water	11/04/13 14:50	11/05/13 12:50
4087872005	MW-3	Water	11/04/13 16:00	11/05/13 12:50
4087872006	MW-5	Water	11/04/13 14:30	11/05/13 12:50
4087872007	MW-6	Water	11/04/13 16:40	11/05/13 12:50
4087872008	PZ-6	Water	11/05/13 11:00	11/05/13 12:50
4087872009	MW-7	Water	11/05/13 11:15	11/05/13 12:50
4087872010	DUP	Water	11/05/13 11:25	11/05/13 12:50
4087872011	TRIP	Water	11/04/13 00:00	11/05/13 12:50

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4087872001	MW-1	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872002	PZ-1	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872003	MW-2	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872004	PZ-2	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872005	MW-3	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872006	MW-5	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872007	MW-6	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872008	PZ-6	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
4087872009	MW-7	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	HMB	1	PASI-G
4087872010	DUP	EPA 8015B Modified	LCF	3	PASI-G
		EPA 8260	HNW	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G

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SAMPLE ANALYTE COUNT

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4087872011	TRIP	EPA 353.2	HMB	1	PASI-G
		EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-1 **Lab ID: 4087872001** Collected: 11/04/13 16:15 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 07:36	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 07:36	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 07:36	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	71-43-2	
Bromobenzene	<12.1	ug/L	25.0	12.1	25		11/07/13 10:03	108-86-1	
Bromochloromethane	<12.3	ug/L	25.0	12.3	25		11/07/13 10:03	74-97-5	
Bromodichloromethane	<11.3	ug/L	25.0	11.3	25		11/07/13 10:03	75-27-4	
Bromoform	<8.2	ug/L	25.0	8.2	25		11/07/13 10:03	75-25-2	
Bromomethane	<10.7	ug/L	125	10.7	25		11/07/13 10:03	74-83-9	
n-Butylbenzene	<10	ug/L	25.0	10	25		11/07/13 10:03	104-51-8	
sec-Butylbenzene	<15.1	ug/L	125	15.1	25		11/07/13 10:03	135-98-8	
tert-Butylbenzene	<10.6	ug/L	25.0	10.6	25		11/07/13 10:03	98-06-6	
Carbon tetrachloride	<9.1	ug/L	25.0	9.1	25		11/07/13 10:03	56-23-5	
Chlorobenzene	<9.0	ug/L	25.0	9.0	25		11/07/13 10:03	108-90-7	
Chloroethane	<11.1	ug/L	25.0	11.1	25		11/07/13 10:03	75-00-3	
Chloroform	<17.2	ug/L	125	17.2	25		11/07/13 10:03	67-66-3	
Chloromethane	<9.7	ug/L	25.0	9.7	25		11/07/13 10:03	74-87-3	
2-Chlorotoluene	<11.9	ug/L	25.0	11.9	25		11/07/13 10:03	95-49-8	
4-Chlorotoluene	<12.1	ug/L	25.0	12.1	25		11/07/13 10:03	106-43-4	
1,2-Dibromo-3-chloropropane	<37.4	ug/L	125	37.4	25		11/07/13 10:03	96-12-8	
Dibromochloromethane	<47.4	ug/L	125	47.4	25		11/07/13 10:03	124-48-1	
1,2-Dibromoethane (EDB)	<9.5	ug/L	25.0	9.5	25		11/07/13 10:03	106-93-4	
Dibromomethane	<12.0	ug/L	25.0	12.0	25		11/07/13 10:03	74-95-3	
1,2-Dichlorobenzene	<11.0	ug/L	25.0	11.0	25		11/07/13 10:03	95-50-1	
1,3-Dichlorobenzene	<11.3	ug/L	25.0	11.3	25		11/07/13 10:03	541-73-1	
1,4-Dichlorobenzene	<10.9	ug/L	25.0	10.9	25		11/07/13 10:03	106-46-7	
Dichlorodifluoromethane	<10.0	ug/L	25.0	10.0	25		11/07/13 10:03	75-71-8	
1,1-Dichloroethane	<7.1	ug/L	25.0	7.1	25		11/07/13 10:03	75-34-3	
1,2-Dichloroethane	<11.9	ug/L	25.0	11.9	25		11/07/13 10:03	107-06-2	
1,1-Dichloroethene	<10.7	ug/L	25.0	10.7	25		11/07/13 10:03	75-35-4	
cis-1,2-Dichloroethene	<10.5	ug/L	25.0	10.5	25		11/07/13 10:03	156-59-2	
trans-1,2-Dichloroethene	<9.3	ug/L	25.0	9.3	25		11/07/13 10:03	156-60-5	
1,2-Dichloropropane	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	78-87-5	
1,3-Dichloropropane	<11.6	ug/L	25.0	11.6	25		11/07/13 10:03	142-28-9	
2,2-Dichloropropane	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	594-20-7	
1,1-Dichloropropene	<12.7	ug/L	25.0	12.7	25		11/07/13 10:03	563-58-6	
cis-1,3-Dichloropropene	<7.3	ug/L	25.0	7.3	25		11/07/13 10:03	10061-01-5	
trans-1,3-Dichloropropene	<7.6	ug/L	25.0	7.6	25		11/07/13 10:03	10061-02-6	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	100-41-4	
Hexachloro-1,3-butadiene	<31.4	ug/L	125	31.4	25		11/07/13 10:03	87-68-3	
Isopropylbenzene (Cumene)	<8.5	ug/L	25.0	8.5	25		11/07/13 10:03	98-82-8	
p-Isopropyltoluene	<9.9	ug/L	25.0	9.9	25		11/07/13 10:03	99-87-6	
Methylene Chloride	<9.0	ug/L	25.0	9.0	25		11/07/13 10:03	75-09-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-1 **Lab ID: 4087872001** Collected: 11/04/13 16:15 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<12.3	ug/L	25.0	12.3	25		11/07/13 10:03	1634-04-4	
Naphthalene	<62.5	ug/L	125	62.5	25		11/07/13 10:03	91-20-3	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	103-65-1	
Styrene	<8.7	ug/L	25.0	8.7	25		11/07/13 10:03	100-42-5	
1,1,1,2-Tetrachloroethane	<11.3	ug/L	25.0	11.3	25		11/07/13 10:03	630-20-6	
1,1,2,2-Tetrachloroethane	<9.6	ug/L	25.0	9.6	25		11/07/13 10:03	79-34-5	
Tetrachloroethene	3120	ug/L	25.0	11.8	25		11/07/13 10:03	127-18-4	
Toluene	<11.0	ug/L	25.0	11.0	25		11/07/13 10:03	108-88-3	
1,2,3-Trichlorobenzene	<19.2	ug/L	125	19.2	25		11/07/13 10:03	87-61-6	
1,2,4-Trichlorobenzene	<62.5	ug/L	125	62.5	25		11/07/13 10:03	120-82-1	
1,1,1-Trichloroethane	<11.1	ug/L	25.0	11.1	25		11/07/13 10:03	71-55-6	
1,1,2-Trichloroethane	<9.7	ug/L	25.0	9.7	25		11/07/13 10:03	79-00-5	
Trichloroethene	12.6J	ug/L	25.0	9.1	25		11/07/13 10:03	79-01-6	
Trichlorofluoromethane	<11.9	ug/L	25.0	11.9	25		11/07/13 10:03	75-69-4	
1,2,3-Trichloropropane	<11.7	ug/L	25.0	11.7	25		11/07/13 10:03	96-18-4	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	95-63-6	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	108-67-8	
Vinyl chloride	<4.6	ug/L	25.0	4.6	25		11/07/13 10:03	75-01-4	
m&p-Xylene	<20.4	ug/L	50.0	20.4	25		11/07/13 10:03	179601-23-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		11/07/13 10:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		25		11/07/13 10:03	460-00-4	
Dibromofluoromethane (S)	97 %		70-130		25		11/07/13 10:03	1868-53-7	
Toluene-d8 (S)	104 %		55-137		25		11/07/13 10:03	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	213	mg/L	40.0	20.0	10		11/12/13 16:48	16887-00-6	
Sulfate	60.6	mg/L	20.0	10.0	5		11/12/13 16:07	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	8.2	mg/L	0.25	0.055	1		11/08/13 12:48		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: PZ-1 **Lab ID: 4087872002** Collected: 11/04/13 16:25 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 07:44	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 07:44	74-85-1	
Methane	104	ug/L	5.6	1.3	2		11/14/13 10:23	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/06/13 22:31	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/06/13 22:31	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/06/13 22:31	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/06/13 22:31	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/06/13 22:31	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/06/13 22:31	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/06/13 22:31	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/06/13 22:31	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/06/13 22:31	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 22:31	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/06/13 22:31	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/06/13 22:31	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/06/13 22:31	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/06/13 22:31	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/06/13 22:31	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/06/13 22:31	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/06/13 22:31	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/06/13 22:31	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/06/13 22:31	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/13 22:31	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/06/13 22:31	75-35-4	
cis-1,2-Dichloroethene	4.6	ug/L	1.0	0.42	1		11/06/13 22:31	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/06/13 22:31	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/06/13 22:31	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/06/13 22:31	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/06/13 22:31	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/06/13 22:31	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/06/13 22:31	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/06/13 22:31	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/06/13 22:31	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/06/13 22:31	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: PZ-1 **Lab ID: 4087872002** Collected: 11/04/13 16:25 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/06/13 22:31	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/06/13 22:31	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/06/13 22:31	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/06/13 22:31	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/06/13 22:31	79-34-5	
Tetrachloroethene	4.0	ug/L	1.0	0.47	1		11/06/13 22:31	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/06/13 22:31	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/06/13 22:31	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/06/13 22:31	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 22:31	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/06/13 22:31	79-00-5	
Trichloroethene	3.3	ug/L	1.0	0.36	1		11/06/13 22:31	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:31	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/06/13 22:31	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	108-67-8	
Vinyl chloride	0.28J	ug/L	1.0	0.18	1		11/06/13 22:31	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/06/13 22:31	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	43-137		1		11/06/13 22:31	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		11/06/13 22:31	1868-53-7	
Toluene-d8 (S)	103	%	55-137		1		11/06/13 22:31	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	86.8	mg/L	20.0	10.0	5		11/12/13 17:13	16887-00-6	
Sulfate	63.9	mg/L	20.0	10.0	5		11/12/13 17:13	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.055	mg/L	0.25	0.055	1		11/08/13 12:49		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Project No.: 4087872

Sample: MW-2 Lab ID: 4087872003 Collected: 11/04/13 15:20 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 07:52	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 07:52	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 07:52	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/07/13 09:41	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/07/13 09:41	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/07/13 09:41	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/07/13 09:41	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/07/13 09:41	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/07/13 09:41	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/07/13 09:41	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/07/13 09:41	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/07/13 09:41	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 09:41	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/07/13 09:41	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/07/13 09:41	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/07/13 09:41	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/07/13 09:41	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/07/13 09:41	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/07/13 09:41	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/07/13 09:41	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/07/13 09:41	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/07/13 09:41	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/13 09:41	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/07/13 09:41	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/07/13 09:41	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/07/13 09:41	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/07/13 09:41	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/07/13 09:41	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/07/13 09:41	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/07/13 09:41	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/07/13 09:41	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/07/13 09:41	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/07/13 09:41	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/07/13 09:41	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-2 **Lab ID: 4087872003** Collected: 11/04/13 15:20 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/07/13 09:41	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/07/13 09:41	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/07/13 09:41	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/07/13 09:41	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/07/13 09:41	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/07/13 09:41	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/07/13 09:41	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/07/13 09:41	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/07/13 09:41	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 09:41	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/07/13 09:41	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/07/13 09:41	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/07/13 09:41	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/07/13 09:41	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/07/13 09:41	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/07/13 09:41	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/07/13 09:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99 %		43-137		1		11/07/13 09:41	460-00-4	
Dibromofluoromethane (S)	98 %		70-130		1		11/07/13 09:41	1868-53-7	
Toluene-d8 (S)	103 %		55-137		1		11/07/13 09:41	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	108	mg/L	20.0	10.0	5		11/12/13 17:21	16887-00-6	
Sulfate	45.5	mg/L	4.0	2.0	1		11/12/13 12:15	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.055	mg/L	0.25	0.055	1		11/08/13 12:50		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4087872

Sample: PZ-2 **Lab ID: 4087872004** Collected: 11/04/13 14:50 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	0.80J	ug/L	5.6	0.36	1		11/14/13 08:00	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 08:00	74-85-1	
Methane	153	ug/L	5.6	1.3	2		11/14/13 10:31	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/06/13 22:54	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/06/13 22:54	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/06/13 22:54	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/06/13 22:54	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/06/13 22:54	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/06/13 22:54	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/06/13 22:54	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/06/13 22:54	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/06/13 22:54	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 22:54	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/06/13 22:54	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/06/13 22:54	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/06/13 22:54	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/06/13 22:54	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/06/13 22:54	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/06/13 22:54	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/06/13 22:54	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/06/13 22:54	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/06/13 22:54	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/13 22:54	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/06/13 22:54	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/06/13 22:54	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/06/13 22:54	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/06/13 22:54	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/06/13 22:54	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/06/13 22:54	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/06/13 22:54	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/06/13 22:54	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/06/13 22:54	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/06/13 22:54	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/06/13 22:54	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: PZ-2 **Lab ID: 4087872004** Collected: 11/04/13 14:50 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/06/13 22:54	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/06/13 22:54	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/06/13 22:54	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/06/13 22:54	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/06/13 22:54	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/06/13 22:54	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/06/13 22:54	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/06/13 22:54	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/06/13 22:54	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 22:54	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/06/13 22:54	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/06/13 22:54	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/06/13 22:54	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/06/13 22:54	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/06/13 22:54	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/06/13 22:54	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/06/13 22:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99 %		43-137		1		11/06/13 22:54	460-00-4	
Dibromofluoromethane (S)	97 %		70-130		1		11/06/13 22:54	1868-53-7	
Toluene-d8 (S)	104 %		55-137		1		11/06/13 22:54	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	15.8	mg/L	4.0	2.0	1		11/12/13 12:23	16887-00-6	
Sulfate	30.0	mg/L	4.0	2.0	1		11/12/13 12:23	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.055	mg/L	0.25	0.055	1		11/08/13 12:50		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-3 **Lab ID: 4087872005** Collected: 11/04/13 16:00 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 08:07	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 08:07	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 08:07	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/06/13 21:45	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/06/13 21:45	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/06/13 21:45	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/06/13 21:45	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/06/13 21:45	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/06/13 21:45	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/06/13 21:45	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/06/13 21:45	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/06/13 21:45	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 21:45	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/06/13 21:45	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/06/13 21:45	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/06/13 21:45	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/06/13 21:45	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/06/13 21:45	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/06/13 21:45	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/06/13 21:45	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/06/13 21:45	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/06/13 21:45	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/13 21:45	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/06/13 21:45	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/06/13 21:45	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/06/13 21:45	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/06/13 21:45	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/06/13 21:45	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/06/13 21:45	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/06/13 21:45	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/06/13 21:45	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/06/13 21:45	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/06/13 21:45	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/06/13 21:45	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-3 **Lab ID: 4087872005** Collected: 11/04/13 16:00 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/06/13 21:45	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/06/13 21:45	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/06/13 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/06/13 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/06/13 21:45	79-34-5	
Tetrachloroethene	207	ug/L	1.0	0.47	1		11/06/13 21:45	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/06/13 21:45	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/06/13 21:45	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/06/13 21:45	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 21:45	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/06/13 21:45	79-00-5	
Trichloroethene	0.46J	ug/L	1.0	0.36	1		11/06/13 21:45	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/06/13 21:45	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/06/13 21:45	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/06/13 21:45	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/06/13 21:45	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/06/13 21:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	43-137		1		11/06/13 21:45	460-00-4	
Dibromofluoromethane (S)	94	%	70-130		1		11/06/13 21:45	1868-53-7	
Toluene-d8 (S)	104	%	55-137		1		11/06/13 21:45	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	137	mg/L	20.0	10.0	5		11/12/13 17:29	16887-00-6	
Sulfate	35.8	mg/L	4.0	2.0	1		11/12/13 12:31	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	11.4	mg/L	1.2	0.28	5		11/08/13 13:39		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-5 **Lab ID: 4087872006** Collected: 11/04/13 14:30 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 08:15	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 08:15	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 08:15	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/06/13 23:17	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/06/13 23:17	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/06/13 23:17	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/06/13 23:17	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/06/13 23:17	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/06/13 23:17	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/06/13 23:17	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/06/13 23:17	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/06/13 23:17	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 23:17	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/06/13 23:17	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/06/13 23:17	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/06/13 23:17	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/06/13 23:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/06/13 23:17	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/06/13 23:17	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/06/13 23:17	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/06/13 23:17	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/06/13 23:17	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/13 23:17	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/06/13 23:17	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/06/13 23:17	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/06/13 23:17	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/06/13 23:17	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/06/13 23:17	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/06/13 23:17	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/06/13 23:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/06/13 23:17	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/06/13 23:17	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/06/13 23:17	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/06/13 23:17	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-5 **Lab ID: 4087872006** Collected: 11/04/13 14:30 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/06/13 23:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/06/13 23:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/06/13 23:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/06/13 23:17	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/06/13 23:17	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/06/13 23:17	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/06/13 23:17	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/06/13 23:17	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/06/13 23:17	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 23:17	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/06/13 23:17	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/06/13 23:17	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:17	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/06/13 23:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/06/13 23:17	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/06/13 23:17	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		1		11/06/13 23:17	460-00-4	
Dibromofluoromethane (S)	97 %		70-130		1		11/06/13 23:17	1868-53-7	
Toluene-d8 (S)	103 %		55-137		1		11/06/13 23:17	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	137	mg/L	20.0	10.0	5		11/12/13 17:37	16887-00-6	
Sulfate	62.7	mg/L	20.0	10.0	5		11/12/13 17:37	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	1.7	mg/L	0.25	0.055	1		11/08/13 12:52		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-6 **Lab ID: 4087872007** Collected: 11/04/13 16:40 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	6.6	ug/L	5.6	0.36	1		11/14/13 08:23	74-84-0	
Ethene	3.9J	ug/L	5.0	0.30	1		11/14/13 08:23	74-85-1	
Methane	1060	ug/L	28.0	6.4	10		11/14/13 10:39	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/06/13 23:39	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/06/13 23:39	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/06/13 23:39	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/06/13 23:39	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/06/13 23:39	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/06/13 23:39	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/06/13 23:39	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/06/13 23:39	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/06/13 23:39	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 23:39	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/06/13 23:39	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/06/13 23:39	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/06/13 23:39	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/06/13 23:39	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/06/13 23:39	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/06/13 23:39	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/06/13 23:39	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/06/13 23:39	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/06/13 23:39	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/06/13 23:39	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/06/13 23:39	75-35-4	
cis-1,2-Dichloroethene	55.4	ug/L	1.0	0.42	1		11/06/13 23:39	156-59-2	
trans-1,2-Dichloroethene	0.39J	ug/L	1.0	0.37	1		11/06/13 23:39	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/06/13 23:39	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/06/13 23:39	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/06/13 23:39	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/06/13 23:39	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/06/13 23:39	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/06/13 23:39	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/06/13 23:39	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/06/13 23:39	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-6 **Lab ID: 4087872007** Collected: 11/04/13 16:40 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/06/13 23:39	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/06/13 23:39	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/06/13 23:39	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/06/13 23:39	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/06/13 23:39	79-34-5	
Tetrachloroethene	46.9	ug/L	1.0	0.47	1		11/06/13 23:39	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/06/13 23:39	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/06/13 23:39	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/06/13 23:39	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/06/13 23:39	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/06/13 23:39	79-00-5	
Trichloroethene	16.4	ug/L	1.0	0.36	1		11/06/13 23:39	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/06/13 23:39	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/06/13 23:39	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	108-67-8	
Vinyl chloride	20.7	ug/L	1.0	0.18	1		11/06/13 23:39	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/06/13 23:39	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/06/13 23:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		1		11/06/13 23:39	460-00-4	
Dibromofluoromethane (S)	99 %		70-130		1		11/06/13 23:39	1868-53-7	
Toluene-d8 (S)	104 %		55-137		1		11/06/13 23:39	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	106	mg/L	20.0	10.0	5		11/12/13 17:46	16887-00-6	
Sulfate	15.1	mg/L	4.0	2.0	1		11/12/13 13:04	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	<0.055	mg/L	0.25	0.055	1		11/08/13 12:53		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: PZ-6 **Lab ID: 4087872008** Collected: 11/05/13 11:00 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	2.2J	ug/L	5.6	0.36	1		11/14/13 08:31	74-84-0	
Ethene	0.61J	ug/L	5.0	0.30	1		11/14/13 08:31	74-85-1	
Methane	484	ug/L	14.0	3.2	5		11/14/13 10:47	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/07/13 00:02	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:02	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/07/13 00:02	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/07/13 00:02	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:02	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/07/13 00:02	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/07/13 00:02	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/07/13 00:02	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:02	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:02	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/07/13 00:02	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:02	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/07/13 00:02	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/07/13 00:02	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/07/13 00:02	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:02	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/07/13 00:02	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:02	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/07/13 00:02	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/13 00:02	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:02	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/07/13 00:02	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/07/13 00:02	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/07/13 00:02	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/07/13 00:02	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/07/13 00:02	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/07/13 00:02	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/07/13 00:02	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/07/13 00:02	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:02	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/07/13 00:02	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: PZ-6 **Lab ID: 4087872008** Collected: 11/05/13 11:00 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/07/13 00:02	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:02	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/07/13 00:02	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:02	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/07/13 00:02	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/07/13 00:02	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:02	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/07/13 00:02	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:02	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:02	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:02	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:02	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:02	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/07/13 00:02	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/07/13 00:02	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/07/13 00:02	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:02	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101 %		43-137		1		11/07/13 00:02	460-00-4	
Dibromofluoromethane (S)	97 %		70-130		1		11/07/13 00:02	1868-53-7	
Toluene-d8 (S)	105 %		55-137		1		11/07/13 00:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Project No.: 4087872

Sample: MW-7 Lab ID: 4087872009 Collected: 11/05/13 11:15 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 08:39	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 08:39	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 08:39	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/07/13 00:24	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:24	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/07/13 00:24	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/07/13 00:24	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:24	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/07/13 00:24	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/07/13 00:24	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/07/13 00:24	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:24	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:24	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/07/13 00:24	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:24	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/07/13 00:24	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/07/13 00:24	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/07/13 00:24	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:24	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/07/13 00:24	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:24	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/07/13 00:24	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/13 00:24	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:24	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/07/13 00:24	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/07/13 00:24	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/07/13 00:24	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/07/13 00:24	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/07/13 00:24	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/07/13 00:24	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/07/13 00:24	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/07/13 00:24	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:24	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/07/13 00:24	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: MW-7 **Lab ID: 4087872009** Collected: 11/05/13 11:15 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/07/13 00:24	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:24	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/07/13 00:24	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:24	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/07/13 00:24	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/07/13 00:24	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:24	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/07/13 00:24	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:24	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:24	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:24	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:24	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:24	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/07/13 00:24	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/07/13 00:24	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/07/13 00:24	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:24	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	43-137		1		11/07/13 00:24	460-00-4	
Dibromofluoromethane (S)	91	%	70-130		1		11/07/13 00:24	1868-53-7	
Toluene-d8 (S)	103	%	55-137		1		11/07/13 00:24	2037-26-5	
300.0 IC Anions 28 Days Analytical Method: EPA 300.0									
Chloride	678	mg/L	80.0	40.0	20		11/12/13 18:18	16887-00-6	
Sulfate	94.8	mg/L	20.0	10.0	5		11/12/13 17:54	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres. Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	0.30	mg/L	0.25	0.055	1		11/08/13 12:54		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: DUP **Lab ID: 4087872010** Collected: 11/05/13 11:25 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.36	ug/L	5.6	0.36	1		11/14/13 08:47	74-84-0	
Ethene	<0.30	ug/L	5.0	0.30	1		11/14/13 08:47	74-85-1	
Methane	<0.64	ug/L	2.8	0.64	1		11/14/13 08:47	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/07/13 00:47	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:47	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/07/13 00:47	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/07/13 00:47	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:47	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/07/13 00:47	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/07/13 00:47	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/07/13 00:47	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:47	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:47	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/07/13 00:47	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:47	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/07/13 00:47	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/07/13 00:47	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/07/13 00:47	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:47	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/07/13 00:47	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:47	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/07/13 00:47	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/13 00:47	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/07/13 00:47	75-35-4	
cis-1,2-Dichloroethene	0.65J	ug/L	1.0	0.42	1		11/07/13 00:47	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/07/13 00:47	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/07/13 00:47	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/07/13 00:47	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/07/13 00:47	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/07/13 00:47	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/07/13 00:47	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/07/13 00:47	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/07/13 00:47	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/07/13 00:47	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: DUP **Lab ID: 4087872010** Collected: 11/05/13 11:25 Received: 11/05/13 12:50 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/07/13 00:47	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:47	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/07/13 00:47	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/07/13 00:47	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		11/07/13 00:47	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/07/13 00:47	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/07/13 00:47	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/07/13 00:47	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/07/13 00:47	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 00:47	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/07/13 00:47	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/07/13 00:47	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/07/13 00:47	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/07/13 00:47	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/07/13 00:47	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/07/13 00:47	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/07/13 00:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100 %		43-137		1		11/07/13 00:47	460-00-4	
Dibromofluoromethane (S)	96 %		70-130		1		11/07/13 00:47	1868-53-7	
Toluene-d8 (S)	104 %		55-137		1		11/07/13 00:47	2037-26-5	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0									
Chloride	600	mg/L	80.0	40.0	20		11/12/13 18:35	16887-00-6	
Sulfate	85.0	mg/L	20.0	10.0	5		11/12/13 18:26	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.									
Analytical Method: EPA 353.2									
Nitrogen, NO2 plus NO3	1.2	mg/L	0.25	0.055	1		11/08/13 12:55		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: TRIP **Lab ID:** 4087872011 Collected: 11/04/13 00:00 Received: 11/05/13 12:50 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		11/07/13 01:32	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		11/07/13 01:32	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		11/07/13 01:32	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		11/07/13 01:32	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		11/07/13 01:32	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		11/07/13 01:32	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		11/07/13 01:32	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		11/07/13 01:32	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		11/07/13 01:32	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		11/07/13 01:32	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 01:32	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		11/07/13 01:32	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		11/07/13 01:32	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		11/07/13 01:32	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		11/07/13 01:32	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		11/07/13 01:32	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		11/07/13 01:32	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		11/07/13 01:32	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		11/07/13 01:32	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		11/07/13 01:32	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		11/07/13 01:32	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		11/07/13 01:32	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		11/07/13 01:32	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		11/07/13 01:32	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		11/07/13 01:32	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		11/07/13 01:32	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		11/07/13 01:32	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		11/07/13 01:32	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		11/07/13 01:32	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		11/07/13 01:32	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		11/07/13 01:32	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		11/07/13 01:32	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		11/07/13 01:32	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		11/07/13 01:32	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		11/07/13 01:32	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		11/07/13 01:32	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Sample: TRIP **Lab ID:** 4087872011 Collected: 11/04/13 00:00 Received: 11/05/13 12:50 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		11/07/13 01:32	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		11/07/13 01:32	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		11/07/13 01:32	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		11/07/13 01:32	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		11/07/13 01:32	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		11/07/13 01:32	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		11/07/13 01:32	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		11/07/13 01:32	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		11/07/13 01:32	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		11/07/13 01:32	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		11/07/13 01:32	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		11/07/13 01:32	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		11/07/13 01:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	43-137		1		11/07/13 01:32	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		11/07/13 01:32	1868-53-7	
Toluene-d8 (S)	103	%	55-137		1		11/07/13 01:32	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

QC Batch: GCV/11434 Analysis Method: EPA 8015B Modified
 QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
 Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872008, 4087872009, 4087872010

METHOD BLANK: 894676 Matrix: Water
 Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872008, 4087872009, 4087872010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.36	5.6	11/14/13 07:12	
Ethene	ug/L	<0.30	5.0	11/14/13 07:12	
Methane	ug/L	<0.64	2.8	11/14/13 07:12	

LABORATORY CONTROL SAMPLE & LCSD: 894677 894678

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	56.2	61.9	60.3	110	107	76-120	3	20	
Ethene	ug/L	50.5	55.5	53.7	110	106	74-120	3	20	
Methane	ug/L	28.6	29.1	28.0	102	98	77-120	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 894723 894724

Parameter	Units	4087872001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.36	56.2	56.2	55.0	55.5	98	99	76-120	1	20	
Ethene	ug/L	<0.30	50.5	50.5	48.3	48.6	96	96	73-120	1	20	
Methane	ug/L	<0.64	28.6	28.6	25.1	25.8	88	90	63-129	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

QC Batch: MSV/22169 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872008, 4087872009, 4087872010, 4087872011

METHOD BLANK: 889323 Matrix: Water
 Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872008, 4087872009, 4087872010, 4087872011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.45	1.0	11/06/13 16:50	
1,1,1-Trichloroethane	ug/L	<0.44	1.0	11/06/13 16:50	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	11/06/13 16:50	
1,1,2-Trichloroethane	ug/L	<0.39	1.0	11/06/13 16:50	
1,1-Dichloroethane	ug/L	<0.28	1.0	11/06/13 16:50	
1,1-Dichloroethene	ug/L	<0.43	1.0	11/06/13 16:50	
1,1-Dichloropropene	ug/L	<0.51	1.0	11/06/13 16:50	
1,2,3-Trichlorobenzene	ug/L	<0.77	5.0	11/06/13 16:50	
1,2,3-Trichloropropane	ug/L	<0.47	1.0	11/06/13 16:50	
1,2,4-Trichlorobenzene	ug/L	<2.5	5.0	11/06/13 16:50	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	11/06/13 16:50	
1,2-Dibromo-3-chloropropane	ug/L	<1.5	5.0	11/06/13 16:50	
1,2-Dibromoethane (EDB)	ug/L	<0.38	1.0	11/06/13 16:50	
1,2-Dichlorobenzene	ug/L	<0.44	1.0	11/06/13 16:50	
1,2-Dichloroethane	ug/L	<0.48	1.0	11/06/13 16:50	
1,2-Dichloropropane	ug/L	<0.50	1.0	11/06/13 16:50	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	11/06/13 16:50	
1,3-Dichlorobenzene	ug/L	<0.45	1.0	11/06/13 16:50	
1,3-Dichloropropane	ug/L	<0.46	1.0	11/06/13 16:50	
1,4-Dichlorobenzene	ug/L	<0.43	1.0	11/06/13 16:50	
2,2-Dichloropropane	ug/L	<0.50	1.0	11/06/13 16:50	
2-Chlorotoluene	ug/L	<0.48	1.0	11/06/13 16:50	
4-Chlorotoluene	ug/L	<0.48	1.0	11/06/13 16:50	
Benzene	ug/L	<0.50	1.0	11/06/13 16:50	
Bromobenzene	ug/L	<0.48	1.0	11/06/13 16:50	
Bromochloromethane	ug/L	<0.49	1.0	11/06/13 16:50	
Bromodichloromethane	ug/L	<0.45	1.0	11/06/13 16:50	
Bromoform	ug/L	<0.33	1.0	11/06/13 16:50	
Bromomethane	ug/L	<0.43	5.0	11/06/13 16:50	
Carbon tetrachloride	ug/L	<0.37	1.0	11/06/13 16:50	
Chlorobenzene	ug/L	<0.36	1.0	11/06/13 16:50	
Chloroethane	ug/L	<0.44	1.0	11/06/13 16:50	
Chloroform	ug/L	<0.69	5.0	11/06/13 16:50	
Chloromethane	ug/L	<0.39	1.0	11/06/13 16:50	
cis-1,2-Dichloroethene	ug/L	<0.42	1.0	11/06/13 16:50	
cis-1,3-Dichloropropene	ug/L	<0.29	1.0	11/06/13 16:50	
Dibromochloromethane	ug/L	<1.9	5.0	11/06/13 16:50	
Dibromomethane	ug/L	<0.48	1.0	11/06/13 16:50	
Dichlorodifluoromethane	ug/L	<0.40	1.0	11/06/13 16:50	
Diisopropyl ether	ug/L	<0.50	1.0	11/06/13 16:50	
Ethylbenzene	ug/L	<0.50	1.0	11/06/13 16:50	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

METHOD BLANK: 889323

Matrix: Water

Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872008, 4087872009, 4087872010, 4087872011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.3	5.0	11/06/13 16:50	
Isopropylbenzene (Cumene)	ug/L	<0.34	1.0	11/06/13 16:50	
m&p-Xylene	ug/L	<0.82	2.0	11/06/13 16:50	
Methyl-tert-butyl ether	ug/L	<0.49	1.0	11/06/13 16:50	
Methylene Chloride	ug/L	<0.36	1.0	11/06/13 16:50	
n-Butylbenzene	ug/L	<0.40	1.0	11/06/13 16:50	
n-Propylbenzene	ug/L	<0.50	1.0	11/06/13 16:50	
Naphthalene	ug/L	<2.5	5.0	11/06/13 16:50	
o-Xylene	ug/L	<0.50	1.0	11/06/13 16:50	
p-Isopropyltoluene	ug/L	<0.40	1.0	11/06/13 16:50	
sec-Butylbenzene	ug/L	<0.60	5.0	11/06/13 16:50	
Styrene	ug/L	<0.35	1.0	11/06/13 16:50	
tert-Butylbenzene	ug/L	<0.42	1.0	11/06/13 16:50	
Tetrachloroethene	ug/L	<0.47	1.0	11/06/13 16:50	
Toluene	ug/L	<0.44	1.0	11/06/13 16:50	
trans-1,2-Dichloroethene	ug/L	<0.37	1.0	11/06/13 16:50	
trans-1,3-Dichloropropene	ug/L	<0.30	1.0	11/06/13 16:50	
Trichloroethene	ug/L	<0.36	1.0	11/06/13 16:50	
Trichlorofluoromethane	ug/L	<0.48	1.0	11/06/13 16:50	
Vinyl chloride	ug/L	<0.18	1.0	11/06/13 16:50	
4-Bromofluorobenzene (S)	%	99	43-137	11/06/13 16:50	
Dibromofluoromethane (S)	%	93	70-130	11/06/13 16:50	
Toluene-d8 (S)	%	105	55-137	11/06/13 16:50	

LABORATORY CONTROL SAMPLE & LCSD: 889324

889325

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	49.2	48.6	98	97	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	49.6	98	99	70-130	1	20	
1,1,2-Trichloroethane	ug/L	50	49.9	48.9	100	98	70-130	2	20	
1,1-Dichloroethane	ug/L	50	52.8	52.0	106	104	70-146	1	20	
1,1-Dichloroethene	ug/L	50	54.7	54.0	109	108	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	50	52.8	54.8	106	110	70-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	50	46.2	47.3	92	95	46-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	50.6	101	101	70-130	0	20	
1,2-Dichlorobenzene	ug/L	50	52.6	54.6	105	109	70-130	4	20	
1,2-Dichloroethane	ug/L	50	48.3	46.9	97	94	70-144	3	20	
1,2-Dichloropropane	ug/L	50	53.3	53.4	107	107	70-136	0	20	
1,3-Dichlorobenzene	ug/L	50	51.9	52.9	104	106	70-130	2	20	
1,4-Dichlorobenzene	ug/L	50	50.0	50.8	100	102	70-130	2	20	
Benzene	ug/L	50	51.1	50.9	102	102	70-137	0	20	
Bromodichloromethane	ug/L	50	50.8	49.7	102	99	70-133	2	20	
Bromoform	ug/L	50	44.8	46.1	90	92	59-130	3	20	
Bromomethane	ug/L	50	34.1	38.1	68	76	41-148	11	20	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

LABORATORY CONTROL SAMPLE & LCSD:		889324	889325							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	48.1	48.0	96	96	70-154	0	20	
Chlorobenzene	ug/L	50	52.1	54.1	104	108	70-130	4	20	
Chloroethane	ug/L	50	49.7	51.0	99	102	70-139	3	20	
Chloroform	ug/L	50	49.8	49.5	100	99	70-130	1	20	
Chloromethane	ug/L	50	42.7	45.1	85	90	45-154	5	20	
cis-1,2-Dichloroethene	ug/L	50	50.0	49.4	100	99	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	50	46.4	46.4	93	93	70-136	0	20	
Dibromochloromethane	ug/L	50	46.9	47.2	94	94	70-130	1	20	
Dichlorodifluoromethane	ug/L	50	34.6	34.3	69	69	20-157	1	20	
Ethylbenzene	ug/L	50	52.5	54.7	105	109	70-130	4	20	
Isopropylbenzene (Cumene)	ug/L	50	51.9	54.1	104	108	70-130	4	20	
m&p-Xylene	ug/L	100	103	107	103	107	70-130	4	20	
Methyl-tert-butyl ether	ug/L	50	47.9	46.4	96	93	59-141	3	20	
Methylene Chloride	ug/L	50	52.3	53.1	105	106	70-130	2	20	
o-Xylene	ug/L	50	51.1	53.2	102	106	70-130	4	20	
Styrene	ug/L	50	49.6	51.5	99	103	70-130	4	20	
Tetrachloroethene	ug/L	50	50.9	51.5	102	103	70-130	1	20	
Toluene	ug/L	50	51.7	53.1	103	106	70-130	3	20	
trans-1,2-Dichloroethene	ug/L	50	54.0	52.8	108	106	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	50	44.8	44.4	90	89	55-135	1	20	
Trichloroethene	ug/L	50	53.5	53.3	107	107	70-130	0	20	
Trichlorofluoromethane	ug/L	50	52.7	52.9	105	106	50-150	0	20	
Vinyl chloride	ug/L	50	52.8	53.0	106	106	61-143	0	20	
4-Bromofluorobenzene (S)	%				102	104	43-137			
Dibromofluoromethane (S)	%				103	98	70-130			
Toluene-d8 (S)	%				104	105	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		889632	889633										
Parameter	Units	4087872003		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		1,1,1-Trichloroethane	ug/L	<0.44	50	50	49.7	49.0	99	98	70-136	1	20
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	49.5	53.7	99	107	70-130	8	20		
1,1,2-Trichloroethane	ug/L	<0.39	50	50	50.9	52.3	102	105	70-130	3	20		
1,1-Dichloroethane	ug/L	<0.28	50	50	53.4	52.3	107	105	70-146	2	20		
1,1-Dichloroethene	ug/L	<0.43	50	50	55.5	55.0	111	110	70-130	1	20		
1,2,4-Trichlorobenzene	ug/L	<2.5	50	50	55.6	55.1	111	110	70-130	1	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.5	50	50	48.4	52.9	97	106	46-150	9	20		
1,2-Dibromoethane (EDB)	ug/L	<0.38	50	50	51.2	52.3	102	105	70-130	2	20		
1,2-Dichlorobenzene	ug/L	<0.44	50	50	54.4	53.6	109	107	70-130	1	20		
1,2-Dichloroethane	ug/L	<0.48	50	50	49.0	48.9	98	98	70-146	0	20		
1,2-Dichloropropane	ug/L	<0.50	50	50	53.9	53.0	108	106	70-136	2	20		
1,3-Dichlorobenzene	ug/L	<0.45	50	50	53.6	53.1	107	106	70-130	1	20		
1,4-Dichlorobenzene	ug/L	<0.43	50	50	51.3	51.3	103	103	70-130	0	20		
Benzene	ug/L	<0.50	50	50	51.0	49.9	102	100	70-137	2	20		
Bromodichloromethane	ug/L	<0.45	50	50	51.1	50.9	102	102	70-133	0	20		
Bromoform	ug/L	<0.33	50	50	46.4	48.1	93	96	57-130	3	20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Project No.: 4087872

Parameter	Units	4087872003		MS		MSD		MS		MSD		% Rec	Limits	RPD	Max	RPD	Qual
		Result	Conc.	Spike	Conc.	Result	Conc.	Result	Conc.	% Rec	% Rec						
Bromomethane	ug/L	<0.43	50	50	50	50	37.6	38.3	75	77	77	41-148	2	20			
Carbon tetrachloride	ug/L	<0.37	50	50	50	50	49.3	48.3	99	97	97	70-154	2	20			
Chlorobenzene	ug/L	<0.36	50	50	50	50	53.3	51.7	107	103	103	70-130	3	20			
Chloroethane	ug/L	<0.44	50	50	50	50	50.0	49.0	100	98	98	70-140	2	20			
Chloroform	ug/L	<0.69	50	50	50	50	50.9	50.2	102	100	100	70-130	1	20			
Chloromethane	ug/L	<0.39	50	50	50	50	42.8	41.3	86	83	83	45-154	4	20			
cis-1,2-Dichloroethene	ug/L	<0.42	50	50	50	50	50.5	50.2	101	100	100	70-130	1	20			
cis-1,3-Dichloropropene	ug/L	<0.29	50	50	50	50	48.2	48.0	96	96	96	70-136	1	20			
Dibromochloromethane	ug/L	<1.9	50	50	50	50	47.7	48.4	95	97	97	70-130	2	20			
Dichlorodifluoromethane	ug/L	<0.40	50	50	50	50	31.2	30.9	62	62	62	10-157	1	20			
Ethylbenzene	ug/L	<0.50	50	50	50	50	53.9	52.1	108	104	104	70-130	3	20			
Isopropylbenzene (Cumene)	ug/L	<0.34	50	50	50	50	53.5	51.2	107	102	102	70-130	4	20			
m&p-Xylene	ug/L	<0.82	100	100	100	100	106	102	106	102	102	70-130	4	20			
Methyl-tert-butyl ether	ug/L	<0.49	50	50	50	50	48.3	50.6	97	101	101	59-141	5	20			
Methylene Chloride	ug/L	<0.36	50	50	50	50	52.3	52.4	105	105	105	70-130	0	20			
o-Xylene	ug/L	<0.50	50	50	50	50	52.6	51.0	105	102	102	70-130	3	20			
Styrene	ug/L	<0.35	50	50	50	50	50.7	48.3	101	97	97	35-164	5	20			
Tetrachloroethene	ug/L	<0.47	50	50	50	50	52.5	50.5	105	101	101	70-130	4	20			
Toluene	ug/L	<0.44	50	50	50	50	52.9	50.9	106	102	102	70-130	4	20			
trans-1,2-Dichloroethene	ug/L	<0.37	50	50	50	50	54.2	53.3	108	107	107	70-130	2	20			
trans-1,3-Dichloropropene	ug/L	<0.30	50	50	50	50	46.4	46.9	93	94	94	55-137	1	20			
Trichloroethene	ug/L	<0.36	50	50	50	50	54.9	53.3	110	107	107	70-130	3	20			
Trichlorofluoromethane	ug/L	<0.48	50	50	50	50	53.1	52.7	106	105	105	50-150	1	20			
Vinyl chloride	ug/L	<0.18	50	50	50	50	51.7	50.4	103	101	101	59-144	3	20			
4-Bromofluorobenzene (S)	%								103	102	102	43-137					
Dibromofluoromethane (S)	%								103	103	103	70-130					
Toluene-d8 (S)	%								104	104	104	55-137					

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

QC Batch: WETA/20593

Analysis Method: EPA 300.0

QC Batch Method: EPA 300.0

Analysis Description: 300.0 IC Anions

Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872009, 4087872010

METHOD BLANK: 892965

Matrix: Water

Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872009, 4087872010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	4.0	11/12/13 09:25	
Sulfate	mg/L	<2.0	4.0	11/12/13 09:25	

LABORATORY CONTROL SAMPLE: 892966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	18.8	94	90-110	
Sulfate	mg/L	20	19.0	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892967 892968

Parameter	Units	4087683001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	553	400	400	968	974	104	105	90-110	1	20		
Sulfate	mg/L	47.7	200	200	246	244	99	98	90-110	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 892969 892970

Parameter	Units	4087872001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	213	200	200	424	425	106	106	90-110	0	20		
Sulfate	mg/L	60.6	100	100	170	171	110	110	90-110	0	20		

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4087872

QC Batch: WETA/20533 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872009, 4087872010

METHOD BLANK: 890907 Matrix: Water
Associated Lab Samples: 4087872001, 4087872002, 4087872003, 4087872004, 4087872005, 4087872006, 4087872007, 4087872009, 4087872010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.055	0.25	11/08/13 12:33	

LABORATORY CONTROL SAMPLE: 890908

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.5	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 890909 890910

Parameter	Units	4087942001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		
										RPD	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	0.98	2.5	2.5	3.8	3.7	114	108	90-110	4	20	M0

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 890911 890912

Parameter	Units	4087916002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		
										RPD	RPD	Qual
Nitrogen, NO2 plus NO3	mg/L	5.4	2.5	2.5	7.7	7.9	93	101	90-110	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4087872

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4087872

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4087872001	MW-1	EPA 8015B Modified	GCV/11434		
4087872002	PZ-1	EPA 8015B Modified	GCV/11434		
4087872003	MW-2	EPA 8015B Modified	GCV/11434		
4087872004	PZ-2	EPA 8015B Modified	GCV/11434		
4087872005	MW-3	EPA 8015B Modified	GCV/11434		
4087872006	MW-5	EPA 8015B Modified	GCV/11434		
4087872007	MW-6	EPA 8015B Modified	GCV/11434		
4087872008	PZ-6	EPA 8015B Modified	GCV/11434		
4087872009	MW-7	EPA 8015B Modified	GCV/11434		
4087872010	DUP	EPA 8015B Modified	GCV/11434		
4087872001	MW-1	EPA 8260	MSV/22169		
4087872002	PZ-1	EPA 8260	MSV/22169		
4087872003	MW-2	EPA 8260	MSV/22169		
4087872004	PZ-2	EPA 8260	MSV/22169		
4087872005	MW-3	EPA 8260	MSV/22169		
4087872006	MW-5	EPA 8260	MSV/22169		
4087872007	MW-6	EPA 8260	MSV/22169		
4087872008	PZ-6	EPA 8260	MSV/22169		
4087872009	MW-7	EPA 8260	MSV/22169		
4087872010	DUP	EPA 8260	MSV/22169		
4087872011	TRIP	EPA 8260	MSV/22169		
4087872001	MW-1	EPA 300.0	WETA/20593		
4087872002	PZ-1	EPA 300.0	WETA/20593		
4087872003	MW-2	EPA 300.0	WETA/20593		
4087872004	PZ-2	EPA 300.0	WETA/20593		
4087872005	MW-3	EPA 300.0	WETA/20593		
4087872006	MW-5	EPA 300.0	WETA/20593		
4087872007	MW-6	EPA 300.0	WETA/20593		
4087872009	MW-7	EPA 300.0	WETA/20593		
4087872010	DUP	EPA 300.0	WETA/20593		
4087872001	MW-1	EPA 353.2	WETA/20533		
4087872002	PZ-1	EPA 353.2	WETA/20533		
4087872003	MW-2	EPA 353.2	WETA/20533		
4087872004	PZ-2	EPA 353.2	WETA/20533		
4087872005	MW-3	EPA 353.2	WETA/20533		
4087872006	MW-5	EPA 353.2	WETA/20533		
4087872007	MW-6	EPA 353.2	WETA/20533		
4087872009	MW-7	EPA 353.2	WETA/20533		
4087872010	DUP	EPA 353.2	WETA/20533		

REPORT OF LABORATORY ANALYSIS

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CHAIN OF CUSTODY

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

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

Analyses Requested	Y/N							
	Pick Letter							
NOCS	B							
NO2/NO3	C							
SO4	A							
CL	A							
MEE	B							

Quote #: **AECOM 2013**
 Mail To Contact: **BOB MOTTL**
 Mail To Company: **AECOM**
 Mail To Address: **1055 KEPLER DR. GREEN BAY WI**
 Invoice To Contact: **u**
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:

(Please Print Clearly)

Company Name: **AECOM**
 Branch/Location: **GREEN BAY**
 Project Contact: **BOB MOTTL**
 Phone: **920-406-3147**
 Project Number: **60310036**
 Project Name: **ONE HOUR MARINER**
 Project State: **WI**
 Sampled By (Print): **MATTHEW BLOECHER**
 Sampled By (Sign): *[Signature]*
 PO #: _____ Regulatory Program: _____

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	11/4/13	1015	GW
002	PZ-1		1625	
003	MW-2		1520	
004	PZ-2		1450	
005	MW-3		1600	
006	MW-5		1430	
007	MW-6		1640	
008	PZ-6	11/5/13	1100	
009	MW-7		1115	
010	DOP		1125	
011	TRIP			

CLIENT COMMENTS
 WELL WENT DRY WHILE SAMPLING

LAB COMMENTS (Lab Use Only)
 2-250ml^{AC}, 10-40ml^B
 2-40ml^B

Profile #

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

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

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

Relinquished By: <i>[Signature]</i>	Date/Time: 11/5/2013 1250	Received By: <i>[Signature]</i>	Date/Time: 11/5/13 1250
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. **4087872**

Receipt Temp = **7201** °C

Sample Receipt pH **OK / Adjusted**


Cooler Custody Seal **Present / Not Present Intact / Not Intact**

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MH

Sample Condition Upon Receipt

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

 **Pace Analytical™**
Client Name: AECOM

Project #: **WO# : 4087872**



Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: _____

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

Cooler Temperature Uncorr: _____ /Corr: 20.1 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 11-5-13
Initials: BF

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

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):	<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	
-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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: (VOA) coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Initial when completed	<u>BF</u>	Lab Std #ID of preservative
Date/Time:		
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <u>006 1-40ml^B ~1/4 full, 1-40ml has headspace</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15. <u>11-5-13 BF</u>
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>315</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: 008 3-40ml are clear, 3-40ml are cloudy.

Project Manager Review: _____

Date: 11/5/13

April 09, 2014

Bob Mottl
AECOM, Inc. - GREEN BAY
1035 Kepler Drive
Green Bay, WI 54311

RE: Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4093866

Dear Bob Mottl:

Enclosed are the analytical results for sample(s) received by the laboratory on March 27, 2014. 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,



Kang Khang
kang.khang@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

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: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4093866001	MW-1	Water	03/27/14 11:15	03/27/14 15:40
4093866002	MW-2	Water	03/27/14 11:00	03/27/14 15:40
4093866003	MW-3	Water	03/27/14 10:40	03/27/14 15:40
4093866004	MW-5	Water	03/27/14 10:30	03/27/14 15:40
4093866005	MW-6	Water	03/27/14 11:05	03/27/14 15:40
4093866006	MW-7	Water	03/27/14 11:30	03/27/14 15:40
4093866007	PZ-1	Water	03/27/14 11:20	03/27/14 15:40
4093866008	PZ-6	Water	03/27/14 11:10	03/27/14 15:40

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SAMPLE ANALYTE COUNT

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4093866001	MW-1	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866002	MW-2	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866003	MW-3	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866004	MW-5	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866005	MW-6	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866006	MW-7	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
4093866007	PZ-1	EPA 8015B Modified	HMH	3	PASI-G
		EPA 8260	LAP	64	PASI-G
		EPA 300.0	JCJ	2	PASI-G
		EPA 353.2	DAW	1	PASI-G
4093866008	PZ-6	EPA 8260	LAP	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-1 **Lab ID: 4093866001** Collected: 03/27/14 11:15 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 07:39	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 07:39	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/01/14 07:39	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	71-43-2	
Bromobenzene	<12.1	ug/L	25.0	12.1	25		03/30/14 01:20	108-86-1	
Bromochloromethane	<12.3	ug/L	25.0	12.3	25		03/30/14 01:20	74-97-5	
Bromodichloromethane	<11.3	ug/L	25.0	11.3	25		03/30/14 01:20	75-27-4	
Bromoform	<8.2	ug/L	25.0	8.2	25		03/30/14 01:20	75-25-2	
Bromomethane	<10.7	ug/L	125	10.7	25		03/30/14 01:20	74-83-9	
n-Butylbenzene	<10	ug/L	25.0	10	25		03/30/14 01:20	104-51-8	
sec-Butylbenzene	<15.1	ug/L	125	15.1	25		03/30/14 01:20	135-98-8	
tert-Butylbenzene	<10.6	ug/L	25.0	10.6	25		03/30/14 01:20	98-06-6	
Carbon tetrachloride	<9.1	ug/L	25.0	9.1	25		03/30/14 01:20	56-23-5	
Chlorobenzene	<9.0	ug/L	25.0	9.0	25		03/30/14 01:20	108-90-7	
Chloroethane	<11.1	ug/L	25.0	11.1	25		03/30/14 01:20	75-00-3	
Chloroform	<17.2	ug/L	125	17.2	25		03/30/14 01:20	67-66-3	
Chloromethane	<9.7	ug/L	25.0	9.7	25		03/30/14 01:20	74-87-3	
2-Chlorotoluene	<11.9	ug/L	25.0	11.9	25		03/30/14 01:20	95-49-8	
4-Chlorotoluene	<12.1	ug/L	25.0	12.1	25		03/30/14 01:20	106-43-4	
1,2-Dibromo-3-chloropropane	<37.4	ug/L	125	37.4	25		03/30/14 01:20	96-12-8	
Dibromochloromethane	<47.4	ug/L	125	47.4	25		03/30/14 01:20	124-48-1	
1,2-Dibromoethane (EDB)	<9.5	ug/L	25.0	9.5	25		03/30/14 01:20	106-93-4	
Dibromomethane	<12.0	ug/L	25.0	12.0	25		03/30/14 01:20	74-95-3	
1,2-Dichlorobenzene	<11.0	ug/L	25.0	11.0	25		03/30/14 01:20	95-50-1	
1,3-Dichlorobenzene	<11.3	ug/L	25.0	11.3	25		03/30/14 01:20	541-73-1	
1,4-Dichlorobenzene	<10.9	ug/L	25.0	10.9	25		03/30/14 01:20	106-46-7	
Dichlorodifluoromethane	<10.0	ug/L	25.0	10.0	25		03/30/14 01:20	75-71-8	
1,1-Dichloroethane	<7.1	ug/L	25.0	7.1	25		03/30/14 01:20	75-34-3	
1,2-Dichloroethane	<11.9	ug/L	25.0	11.9	25		03/30/14 01:20	107-06-2	
1,1-Dichloroethene	<10.7	ug/L	25.0	10.7	25		03/30/14 01:20	75-35-4	
cis-1,2-Dichloroethene	<10.5	ug/L	25.0	10.5	25		03/30/14 01:20	156-59-2	
trans-1,2-Dichloroethene	<9.3	ug/L	25.0	9.3	25		03/30/14 01:20	156-60-5	
1,2-Dichloropropane	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	78-87-5	
1,3-Dichloropropane	<11.6	ug/L	25.0	11.6	25		03/30/14 01:20	142-28-9	
2,2-Dichloropropane	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	594-20-7	
1,1-Dichloropropene	<12.7	ug/L	25.0	12.7	25		03/30/14 01:20	563-58-6	
cis-1,3-Dichloropropene	<7.3	ug/L	25.0	7.3	25		03/30/14 01:20	10061-01-5	
trans-1,3-Dichloropropene	<7.6	ug/L	25.0	7.6	25		03/30/14 01:20	10061-02-6	
Diisopropyl ether	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	108-20-3	
Ethylbenzene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	100-41-4	
Hexachloro-1,3-butadiene	<31.4	ug/L	125	31.4	25		03/30/14 01:20	87-68-3	
Isopropylbenzene (Cumene)	<8.5	ug/L	25.0	8.5	25		03/30/14 01:20	98-82-8	
p-Isopropyltoluene	<9.9	ug/L	25.0	9.9	25		03/30/14 01:20	99-87-6	
Methylene Chloride	<9.0	ug/L	25.0	9.0	25		03/30/14 01:20	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-1 **Lab ID: 4093866001** Collected: 03/27/14 11:15 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<12.3	ug/L	25.0	12.3	25		03/30/14 01:20	1634-04-4	
Naphthalene	<62.5	ug/L	125	62.5	25		03/30/14 01:20	91-20-3	
n-Propylbenzene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	103-65-1	
Styrene	<8.7	ug/L	25.0	8.7	25		03/30/14 01:20	100-42-5	
1,1,1,2-Tetrachloroethane	<11.3	ug/L	25.0	11.3	25		03/30/14 01:20	630-20-6	
1,1,2,2-Tetrachloroethane	<9.6	ug/L	25.0	9.6	25		03/30/14 01:20	79-34-5	
Tetrachloroethene	3210	ug/L	25.0	11.8	25		03/30/14 01:20	127-18-4	
Toluene	<11.0	ug/L	25.0	11.0	25		03/30/14 01:20	108-88-3	
1,2,3-Trichlorobenzene	<19.2	ug/L	125	19.2	25		03/30/14 01:20	87-61-6	
1,2,4-Trichlorobenzene	<62.5	ug/L	125	62.5	25		03/30/14 01:20	120-82-1	
1,1,1-Trichloroethane	<11.1	ug/L	25.0	11.1	25		03/30/14 01:20	71-55-6	
1,1,2-Trichloroethane	<9.7	ug/L	25.0	9.7	25		03/30/14 01:20	79-00-5	
Trichloroethene	11.7J	ug/L	25.0	9.1	25		03/30/14 01:20	79-01-6	
Trichlorofluoromethane	<11.9	ug/L	25.0	11.9	25		03/30/14 01:20	75-69-4	
1,2,3-Trichloropropane	<11.7	ug/L	25.0	11.7	25		03/30/14 01:20	96-18-4	
1,2,4-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	95-63-6	
1,3,5-Trimethylbenzene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	108-67-8	
Vinyl chloride	<4.6	ug/L	25.0	4.6	25		03/30/14 01:20	75-01-4	
m&p-Xylene	<20.4	ug/L	50.0	20.4	25		03/30/14 01:20	179601-23-1	
o-Xylene	<12.5	ug/L	25.0	12.5	25		03/30/14 01:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	90 %		59-130		25		03/30/14 01:20	460-00-4	
Dibromofluoromethane (S)	119 %		70-130		25		03/30/14 01:20	1868-53-7	
Toluene-d8 (S)	104 %		70-130		25		03/30/14 01:20	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	216	mg/L	40.0	20.0	10		04/03/14 15:14	16887-00-6	
Sulfate	64.3	mg/L	8.0	4.0	2		04/03/14 10:04	14808-79-8	M0
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	10.3	mg/L	1.2	0.48	5		04/08/14 14:23		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-2 **Lab ID: 4093866002** Collected: 03/27/14 11:00 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 07:46	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 07:46	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/01/14 07:46	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 21:37	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 21:37	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 21:37	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 21:37	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 21:37	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 21:37	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 21:37	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 21:37	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 21:37	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 21:37	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 21:37	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 21:37	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 21:37	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 21:37	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 21:37	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 21:37	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 21:37	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 21:37	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 21:37	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 21:37	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 21:37	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		03/29/14 21:37	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 21:37	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 21:37	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 21:37	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 21:37	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 21:37	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 21:37	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 21:37	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 21:37	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 21:37	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-2 **Lab ID: 4093866002** Collected: 03/27/14 11:00 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 21:37	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 21:37	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 21:37	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 21:37	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/29/14 21:37	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		03/29/14 21:37	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 21:37	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 21:37	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 21:37	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 21:37	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 21:37	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		03/29/14 21:37	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:37	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 21:37	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/14 21:37	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 21:37	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91 %		59-130		1		03/29/14 21:37	460-00-4	
Dibromofluoromethane (S)	117 %		70-130		1		03/29/14 21:37	1868-53-7	
Toluene-d8 (S)	103 %		70-130		1		03/29/14 21:37	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	71.0	mg/L	20.0	10.0	5		04/03/14 15:50	16887-00-6	
Sulfate	60.8	mg/L	20.0	10.0	5		04/03/14 15:50	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		04/08/14 12:57		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-3 **Lab ID: 4093866003** Collected: 03/27/14 10:40 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 07:53	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 07:53	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/01/14 07:53	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	71-43-2	
Bromobenzene	<0.97	ug/L	2.0	0.97	2		03/30/14 01:43	108-86-1	
Bromochloromethane	<0.98	ug/L	2.0	0.98	2		03/30/14 01:43	74-97-5	
Bromodichloromethane	<0.91	ug/L	2.0	0.91	2		03/30/14 01:43	75-27-4	
Bromoform	<0.65	ug/L	2.0	0.65	2		03/30/14 01:43	75-25-2	
Bromomethane	<0.86	ug/L	10.0	0.86	2		03/30/14 01:43	74-83-9	
n-Butylbenzene	<0.80	ug/L	2.0	0.80	2		03/30/14 01:43	104-51-8	
sec-Butylbenzene	<1.2	ug/L	10.0	1.2	2		03/30/14 01:43	135-98-8	
tert-Butylbenzene	<0.85	ug/L	2.0	0.85	2		03/30/14 01:43	98-06-6	
Carbon tetrachloride	<0.73	ug/L	2.0	0.73	2		03/30/14 01:43	56-23-5	
Chlorobenzene	<0.72	ug/L	2.0	0.72	2		03/30/14 01:43	108-90-7	
Chloroethane	<0.89	ug/L	2.0	0.89	2		03/30/14 01:43	75-00-3	
Chloroform	<1.4	ug/L	10.0	1.4	2		03/30/14 01:43	67-66-3	
Chloromethane	<0.78	ug/L	2.0	0.78	2		03/30/14 01:43	74-87-3	
2-Chlorotoluene	<0.95	ug/L	2.0	0.95	2		03/30/14 01:43	95-49-8	
4-Chlorotoluene	<0.97	ug/L	2.0	0.97	2		03/30/14 01:43	106-43-4	
1,2-Dibromo-3-chloropropane	<3.0	ug/L	10.0	3.0	2		03/30/14 01:43	96-12-8	
Dibromochloromethane	<3.8	ug/L	10.0	3.8	2		03/30/14 01:43	124-48-1	
1,2-Dibromoethane (EDB)	<0.76	ug/L	2.0	0.76	2		03/30/14 01:43	106-93-4	
Dibromomethane	<0.96	ug/L	2.0	0.96	2		03/30/14 01:43	74-95-3	
1,2-Dichlorobenzene	<0.88	ug/L	2.0	0.88	2		03/30/14 01:43	95-50-1	
1,3-Dichlorobenzene	<0.90	ug/L	2.0	0.90	2		03/30/14 01:43	541-73-1	
1,4-Dichlorobenzene	<0.87	ug/L	2.0	0.87	2		03/30/14 01:43	106-46-7	
Dichlorodifluoromethane	<0.80	ug/L	2.0	0.80	2		03/30/14 01:43	75-71-8	
1,1-Dichloroethane	<0.57	ug/L	2.0	0.57	2		03/30/14 01:43	75-34-3	
1,2-Dichloroethane	<0.95	ug/L	2.0	0.95	2		03/30/14 01:43	107-06-2	
1,1-Dichloroethene	<0.85	ug/L	2.0	0.85	2		03/30/14 01:43	75-35-4	
cis-1,2-Dichloroethene	<0.84	ug/L	2.0	0.84	2		03/30/14 01:43	156-59-2	
trans-1,2-Dichloroethene	<0.74	ug/L	2.0	0.74	2		03/30/14 01:43	156-60-5	
1,2-Dichloropropane	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	78-87-5	
1,3-Dichloropropane	<0.93	ug/L	2.0	0.93	2		03/30/14 01:43	142-28-9	
2,2-Dichloropropane	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	594-20-7	
1,1-Dichloropropene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	563-58-6	
cis-1,3-Dichloropropene	<0.58	ug/L	2.0	0.58	2		03/30/14 01:43	10061-01-5	
trans-1,3-Dichloropropene	<0.61	ug/L	2.0	0.61	2		03/30/14 01:43	10061-02-6	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	100-41-4	
Hexachloro-1,3-butadiene	<2.5	ug/L	10.0	2.5	2		03/30/14 01:43	87-68-3	
Isopropylbenzene (Cumene)	<0.68	ug/L	2.0	0.68	2		03/30/14 01:43	98-82-8	
p-Isopropyltoluene	<0.79	ug/L	2.0	0.79	2		03/30/14 01:43	99-87-6	
Methylene Chloride	<0.72	ug/L	2.0	0.72	2		03/30/14 01:43	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-3 **Lab ID: 4093866003** Collected: 03/27/14 10:40 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.99	ug/L	2.0	0.99	2		03/30/14 01:43	1634-04-4	
Naphthalene	<5.0	ug/L	10.0	5.0	2		03/30/14 01:43	91-20-3	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	103-65-1	
Styrene	<0.70	ug/L	2.0	0.70	2		03/30/14 01:43	100-42-5	
1,1,1,2-Tetrachloroethane	<0.90	ug/L	2.0	0.90	2		03/30/14 01:43	630-20-6	
1,1,2,2-Tetrachloroethane	<0.77	ug/L	2.0	0.77	2		03/30/14 01:43	79-34-5	
Tetrachloroethene	133	ug/L	2.0	0.94	2		03/30/14 01:43	127-18-4	
Toluene	<0.88	ug/L	2.0	0.88	2		03/30/14 01:43	108-88-3	
1,2,3-Trichlorobenzene	<1.5	ug/L	10.0	1.5	2		03/30/14 01:43	87-61-6	
1,2,4-Trichlorobenzene	<5.0	ug/L	10.0	5.0	2		03/30/14 01:43	120-82-1	
1,1,1-Trichloroethane	<0.89	ug/L	2.0	0.89	2		03/30/14 01:43	71-55-6	
1,1,2-Trichloroethane	<0.78	ug/L	2.0	0.78	2		03/30/14 01:43	79-00-5	
Trichloroethene	<0.73	ug/L	2.0	0.73	2		03/30/14 01:43	79-01-6	
Trichlorofluoromethane	<0.95	ug/L	2.0	0.95	2		03/30/14 01:43	75-69-4	
1,2,3-Trichloropropane	<0.94	ug/L	2.0	0.94	2		03/30/14 01:43	96-18-4	
1,2,4-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	95-63-6	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	108-67-8	
Vinyl chloride	<0.37	ug/L	2.0	0.37	2		03/30/14 01:43	75-01-4	
m&p-Xylene	<1.6	ug/L	4.0	1.6	2		03/30/14 01:43	179601-23-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		03/30/14 01:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89 %		59-130		2		03/30/14 01:43	460-00-4	
Dibromofluoromethane (S)	117 %		70-130		2		03/30/14 01:43	1868-53-7	
Toluene-d8 (S)	100 %		70-130		2		03/30/14 01:43	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	124	mg/L	20.0	10.0	5		04/03/14 16:23	16887-00-6	
Sulfate	40.1	mg/L	4.0	2.0	1		04/03/14 10:48	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	11.5	mg/L	1.2	0.48	5		04/08/14 14:24		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-5 **Lab ID: 4093866004** Collected: 03/27/14 10:30 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 08:00	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 08:00	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/01/14 08:00	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 21:59	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 21:59	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 21:59	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 21:59	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 21:59	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 21:59	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 21:59	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 21:59	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 21:59	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 21:59	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 21:59	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 21:59	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 21:59	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 21:59	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 21:59	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 21:59	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 21:59	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 21:59	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 21:59	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 21:59	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 21:59	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		03/29/14 21:59	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 21:59	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 21:59	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 21:59	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 21:59	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 21:59	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 21:59	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 21:59	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 21:59	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 21:59	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-5 **Lab ID: 4093866004** Collected: 03/27/14 10:30 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 21:59	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 21:59	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 21:59	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 21:59	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/29/14 21:59	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		03/29/14 21:59	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 21:59	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 21:59	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 21:59	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 21:59	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 21:59	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		03/29/14 21:59	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 21:59	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 21:59	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/14 21:59	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 21:59	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 21:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	92 %		59-130		1		03/29/14 21:59	460-00-4	
Dibromofluoromethane (S)	115 %		70-130		1		03/29/14 21:59	1868-53-7	
Toluene-d8 (S)	102 %		70-130		1		03/29/14 21:59	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	311	mg/L	40.0	20.0	10		04/03/14 16:45	16887-00-6	
Sulfate	72.6	mg/L	20.0	10.0	5		04/03/14 16:34	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	1.6	mg/L	0.25	0.095	1		04/08/14 12:59		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-6 **Lab ID: 4093866005** Collected: 03/27/14 11:05 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 08:07	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 08:07	74-85-1	
Methane	141	ug/L	2.8	1.4	1		04/01/14 08:07	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 22:21	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 22:21	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 22:21	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 22:21	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 22:21	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 22:21	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 22:21	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 22:21	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 22:21	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 22:21	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 22:21	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 22:21	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 22:21	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 22:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 22:21	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 22:21	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 22:21	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 22:21	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 22:21	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 22:21	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 22:21	75-35-4	
cis-1,2-Dichloroethene	15.2	ug/L	1.0	0.42	1		03/29/14 22:21	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 22:21	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 22:21	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 22:21	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 22:21	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 22:21	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 22:21	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 22:21	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 22:21	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 22:21	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-6 **Lab ID: 4093866005** Collected: 03/27/14 11:05 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 22:21	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 22:21	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 22:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 22:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/29/14 22:21	79-34-5	
Tetrachloroethene	62.2	ug/L	1.0	0.47	1		03/29/14 22:21	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 22:21	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 22:21	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 22:21	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 22:21	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 22:21	79-00-5	
Trichloroethene	9.0	ug/L	1.0	0.36	1		03/29/14 22:21	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:21	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 22:21	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	108-67-8	
Vinyl chloride	0.38J	ug/L	1.0	0.18	1		03/29/14 22:21	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 22:21	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	59-130		1		03/29/14 22:21	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		03/29/14 22:21	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		03/29/14 22:21	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	82.7	mg/L	20.0	10.0	5		04/03/14 16:56	16887-00-6	
Sulfate	16.0	mg/L	4.0	2.0	1		04/03/14 11:32	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	2.1	mg/L	0.25	0.095	1		04/08/14 13:00		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: MW-7 **Lab ID: 4093866006** Collected: 03/27/14 11:30 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 08:14	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 08:14	74-85-1	
Methane	<1.4	ug/L	2.8	1.4	1		04/01/14 08:14	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 22:44	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 22:44	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 22:44	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 22:44	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 22:44	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 22:44	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 22:44	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 22:44	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 22:44	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 22:44	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 22:44	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 22:44	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 22:44	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 22:44	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 22:44	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 22:44	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 22:44	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 22:44	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 22:44	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 22:44	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 22:44	75-35-4	
cis-1,2-Dichloroethene	0.60J	ug/L	1.0	0.42	1		03/29/14 22:44	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 22:44	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 22:44	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 22:44	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 22:44	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 22:44	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 22:44	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 22:44	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 22:44	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 22:44	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: MW-7 **Lab ID: 4093866006** Collected: 03/27/14 11:30 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 22:44	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 22:44	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 22:44	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 22:44	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/29/14 22:44	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		03/29/14 22:44	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 22:44	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 22:44	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 22:44	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 22:44	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 22:44	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		03/29/14 22:44	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 22:44	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 22:44	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		03/29/14 22:44	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 22:44	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 22:44	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93 %		59-130		1		03/29/14 22:44	460-00-4	
Dibromofluoromethane (S)	119 %		70-130		1		03/29/14 22:44	1868-53-7	
Toluene-d8 (S)	102 %		70-130		1		03/29/14 22:44	2037-26-5	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Sample Project No.: 4093866

Sample: PZ-1 **Lab ID: 4093866007** Collected: 03/27/14 11:20 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV		Analytical Method: EPA 8015B Modified							
Ethane	<0.58	ug/L	5.6	0.58	1		04/01/14 08:21	74-84-0	
Ethene	<0.52	ug/L	5.0	0.52	1		04/01/14 08:21	74-85-1	
Methane	153	ug/L	2.8	1.4	1		04/01/14 08:21	74-82-8	
8260 MSV		Analytical Method: EPA 8260							
Benzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 23:06	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 23:06	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 23:06	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 23:06	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 23:06	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 23:06	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 23:06	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 23:06	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 23:06	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 23:06	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 23:06	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 23:06	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 23:06	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 23:06	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 23:06	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 23:06	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 23:06	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 23:06	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 23:06	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 23:06	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 23:06	75-35-4	
cis-1,2-Dichloroethene	4.6	ug/L	1.0	0.42	1		03/29/14 23:06	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 23:06	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 23:06	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 23:06	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 23:06	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 23:06	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 23:06	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 23:06	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 23:06	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 23:06	75-09-2	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: PZ-1 **Lab ID: 4093866007** Collected: 03/27/14 11:20 Received: 03/27/14 15:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 23:06	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 23:06	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 23:06	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 23:06	630-20-6	
1,1,2,2-Tetrachloroethane	<0.38	ug/L	1.0	0.38	1		03/29/14 23:06	79-34-5	
Tetrachloroethene	2.9	ug/L	1.0	0.47	1		03/29/14 23:06	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 23:06	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 23:06	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 23:06	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 23:06	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 23:06	79-00-5	
Trichloroethene	2.6	ug/L	1.0	0.36	1		03/29/14 23:06	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:06	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 23:06	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	108-67-8	
Vinyl chloride	0.31J	ug/L	1.0	0.18	1		03/29/14 23:06	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 23:06	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:06	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	89 %		59-130		1		03/29/14 23:06	460-00-4	
Dibromofluoromethane (S)	118 %		70-130		1		03/29/14 23:06	1868-53-7	
Toluene-d8 (S)	100 %		70-130		1		03/29/14 23:06	2037-26-5	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0							
Chloride	89.5	mg/L	20.0	10.0	5		04/03/14 11:43	16887-00-6	
Sulfate	66.8	mg/L	20.0	10.0	5		04/03/14 11:43	14808-79-8	
353.2 Nitrogen, NO2/NO3 pres.		Analytical Method: EPA 353.2							
Nitrogen, NO2 plus NO3	<0.095	mg/L	0.25	0.095	1		04/08/14 13:04		

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: PZ-6 **Lab ID: 4093866008** Collected: 03/27/14 11:10 Received: 03/27/14 15:40 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		03/29/14 23:29	71-43-2	
Bromobenzene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	108-86-1	
Bromochloromethane	<0.49	ug/L	1.0	0.49	1		03/29/14 23:29	74-97-5	
Bromodichloromethane	<0.45	ug/L	1.0	0.45	1		03/29/14 23:29	75-27-4	
Bromoform	<0.33	ug/L	1.0	0.33	1		03/29/14 23:29	75-25-2	
Bromomethane	<0.43	ug/L	5.0	0.43	1		03/29/14 23:29	74-83-9	
n-Butylbenzene	<0.40	ug/L	1.0	0.40	1		03/29/14 23:29	104-51-8	
sec-Butylbenzene	<0.60	ug/L	5.0	0.60	1		03/29/14 23:29	135-98-8	
tert-Butylbenzene	<0.42	ug/L	1.0	0.42	1		03/29/14 23:29	98-06-6	
Carbon tetrachloride	<0.37	ug/L	1.0	0.37	1		03/29/14 23:29	56-23-5	
Chlorobenzene	<0.36	ug/L	1.0	0.36	1		03/29/14 23:29	108-90-7	
Chloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 23:29	75-00-3	
Chloroform	<0.69	ug/L	5.0	0.69	1		03/29/14 23:29	67-66-3	
Chloromethane	<0.39	ug/L	1.0	0.39	1		03/29/14 23:29	74-87-3	
2-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	95-49-8	
4-Chlorotoluene	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	106-43-4	
1,2-Dibromo-3-chloropropane	<1.5	ug/L	5.0	1.5	1		03/29/14 23:29	96-12-8	
Dibromochloromethane	<1.9	ug/L	5.0	1.9	1		03/29/14 23:29	124-48-1	
1,2-Dibromoethane (EDB)	<0.38	ug/L	1.0	0.38	1		03/29/14 23:29	106-93-4	
Dibromomethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	74-95-3	
1,2-Dichlorobenzene	<0.44	ug/L	1.0	0.44	1		03/29/14 23:29	95-50-1	
1,3-Dichlorobenzene	<0.45	ug/L	1.0	0.45	1		03/29/14 23:29	541-73-1	
1,4-Dichlorobenzene	<0.43	ug/L	1.0	0.43	1		03/29/14 23:29	106-46-7	
Dichlorodifluoromethane	<0.40	ug/L	1.0	0.40	1		03/29/14 23:29	75-71-8	
1,1-Dichloroethane	<0.28	ug/L	1.0	0.28	1		03/29/14 23:29	75-34-3	
1,2-Dichloroethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	107-06-2	
1,1-Dichloroethene	<0.43	ug/L	1.0	0.43	1		03/29/14 23:29	75-35-4	
cis-1,2-Dichloroethene	<0.42	ug/L	1.0	0.42	1		03/29/14 23:29	156-59-2	
trans-1,2-Dichloroethene	<0.37	ug/L	1.0	0.37	1		03/29/14 23:29	156-60-5	
1,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	78-87-5	
1,3-Dichloropropane	<0.46	ug/L	1.0	0.46	1		03/29/14 23:29	142-28-9	
2,2-Dichloropropane	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	594-20-7	
1,1-Dichloropropene	<0.51	ug/L	1.0	0.51	1		03/29/14 23:29	563-58-6	
cis-1,3-Dichloropropene	<0.29	ug/L	1.0	0.29	1		03/29/14 23:29	10061-01-5	
trans-1,3-Dichloropropene	<0.30	ug/L	1.0	0.30	1		03/29/14 23:29	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	100-41-4	
Hexachloro-1,3-butadiene	<1.3	ug/L	5.0	1.3	1		03/29/14 23:29	87-68-3	
Isopropylbenzene (Cumene)	<0.34	ug/L	1.0	0.34	1		03/29/14 23:29	98-82-8	
p-Isopropyltoluene	<0.40	ug/L	1.0	0.40	1		03/29/14 23:29	99-87-6	
Methylene Chloride	<0.36	ug/L	1.0	0.36	1		03/29/14 23:29	75-09-2	
Methyl-tert-butyl ether	<0.49	ug/L	1.0	0.49	1		03/29/14 23:29	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		03/29/14 23:29	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	103-65-1	
Styrene	<0.35	ug/L	1.0	0.35	1		03/29/14 23:29	100-42-5	
1,1,1,2-Tetrachloroethane	<0.45	ug/L	1.0	0.45	1		03/29/14 23:29	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Sample: PZ-6 **Lab ID: 4093866008** Collected: 03/27/14 11:10 Received: 03/27/14 15:40 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		03/29/14 23:29	79-34-5	
Tetrachloroethene	<0.47	ug/L	1.0	0.47	1		03/29/14 23:29	127-18-4	
Toluene	<0.44	ug/L	1.0	0.44	1		03/29/14 23:29	108-88-3	
1,2,3-Trichlorobenzene	<0.77	ug/L	5.0	0.77	1		03/29/14 23:29	87-61-6	
1,2,4-Trichlorobenzene	<2.5	ug/L	5.0	2.5	1		03/29/14 23:29	120-82-1	
1,1,1-Trichloroethane	<0.44	ug/L	1.0	0.44	1		03/29/14 23:29	71-55-6	
1,1,2-Trichloroethane	<0.39	ug/L	1.0	0.39	1		03/29/14 23:29	79-00-5	
Trichloroethene	<0.36	ug/L	1.0	0.36	1		03/29/14 23:29	79-01-6	
Trichlorofluoromethane	<0.48	ug/L	1.0	0.48	1		03/29/14 23:29	75-69-4	
1,2,3-Trichloropropane	<0.47	ug/L	1.0	0.47	1		03/29/14 23:29	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	108-67-8	
Vinyl chloride	0.32J	ug/L	1.0	0.18	1		03/29/14 23:29	75-01-4	
m&p-Xylene	<0.82	ug/L	2.0	0.82	1		03/29/14 23:29	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		03/29/14 23:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	59-130		1		03/29/14 23:29	460-00-4	
Dibromofluoromethane (S)	119	%	70-130		1		03/29/14 23:29	1868-53-7	
Toluene-d8 (S)	103	%	70-130		1		03/29/14 23:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

QC Batch: GCV/12111 Analysis Method: EPA 8015B Modified
 QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866006, 4093866007

METHOD BLANK: 948344 Matrix: Water
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866006, 4093866007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.58	5.6	04/01/14 07:11	
Ethene	ug/L	<0.52	5.0	04/01/14 07:11	
Methane	ug/L	<1.4	2.8	04/01/14 07:11	

LABORATORY CONTROL SAMPLE & LCSD: 948345 948346

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	56.2	52.1	53.0	93	94	76-120	2	20	
Ethene	ug/L	50.5	46.2	47.3	91	94	74-120	2	20	
Methane	ug/L	28.6	25.4	25.8	89	90	77-120	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 948347 948348

Parameter	Units	4093883004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethane	ug/L	<0.58	56.2	56.2	49.9	51.2	89	91	76-120	3	20	
Ethene	ug/L	<0.52	50.5	50.5	43.8	45.1	87	89	73-120	3	20	
Methane	ug/L	<1.4	28.6	28.6	23.6	24.4	83	86	63-129	3	20	

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

QC Batch: MSV/23606 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866006, 4093866007, 4093866008

METHOD BLANK: 947705 Matrix: Water
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866006, 4093866007, 4093866008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.45	1.0	03/29/14 17:09	
1,1,1-Trichloroethane	ug/L	<0.44	1.0	03/29/14 17:09	
1,1,2,2-Tetrachloroethane	ug/L	<0.38	1.0	03/29/14 17:09	
1,1,2-Trichloroethane	ug/L	<0.39	1.0	03/29/14 17:09	
1,1-Dichloroethane	ug/L	<0.28	1.0	03/29/14 17:09	
1,1-Dichloroethene	ug/L	<0.43	1.0	03/29/14 17:09	
1,1-Dichloropropene	ug/L	<0.51	1.0	03/29/14 17:09	
1,2,3-Trichlorobenzene	ug/L	<0.77	5.0	03/29/14 17:09	
1,2,3-Trichloropropane	ug/L	<0.47	1.0	03/29/14 17:09	
1,2,4-Trichlorobenzene	ug/L	<2.5	5.0	03/29/14 17:09	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	03/29/14 17:09	
1,2-Dibromo-3-chloropropane	ug/L	<1.5	5.0	03/29/14 17:09	
1,2-Dibromoethane (EDB)	ug/L	<0.38	1.0	03/29/14 17:09	
1,2-Dichlorobenzene	ug/L	<0.44	1.0	03/29/14 17:09	
1,2-Dichloroethane	ug/L	<0.48	1.0	03/29/14 17:09	
1,2-Dichloropropane	ug/L	<0.50	1.0	03/29/14 17:09	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	03/29/14 17:09	
1,3-Dichlorobenzene	ug/L	<0.45	1.0	03/29/14 17:09	
1,3-Dichloropropane	ug/L	<0.46	1.0	03/29/14 17:09	
1,4-Dichlorobenzene	ug/L	<0.43	1.0	03/29/14 17:09	
2,2-Dichloropropane	ug/L	<0.50	1.0	03/29/14 17:09	
2-Chlorotoluene	ug/L	<0.48	1.0	03/29/14 17:09	
4-Chlorotoluene	ug/L	<0.48	1.0	03/29/14 17:09	
Benzene	ug/L	<0.50	1.0	03/29/14 17:09	
Bromobenzene	ug/L	<0.48	1.0	03/29/14 17:09	
Bromochloromethane	ug/L	<0.49	1.0	03/29/14 17:09	
Bromodichloromethane	ug/L	<0.45	1.0	03/29/14 17:09	
Bromoform	ug/L	<0.33	1.0	03/29/14 17:09	
Bromomethane	ug/L	<0.43	5.0	03/29/14 17:09	
Carbon tetrachloride	ug/L	<0.37	1.0	03/29/14 17:09	
Chlorobenzene	ug/L	<0.36	1.0	03/29/14 17:09	
Chloroethane	ug/L	<0.44	1.0	03/29/14 17:09	
Chloroform	ug/L	<0.69	5.0	03/29/14 17:09	
Chloromethane	ug/L	<0.39	1.0	03/29/14 17:09	
cis-1,2-Dichloroethene	ug/L	<0.42	1.0	03/29/14 17:09	
cis-1,3-Dichloropropene	ug/L	<0.29	1.0	03/29/14 17:09	
Dibromochloromethane	ug/L	<1.9	5.0	03/29/14 17:09	
Dibromomethane	ug/L	<0.48	1.0	03/29/14 17:09	
Dichlorodifluoromethane	ug/L	<0.40	1.0	03/29/14 17:09	
Diisopropyl ether	ug/L	<0.50	1.0	03/29/14 17:09	
Ethylbenzene	ug/L	<0.50	1.0	03/29/14 17:09	
Hexachloro-1,3-butadiene	ug/L	<1.3	5.0	03/29/14 17:09	
Isopropylbenzene (Cumene)	ug/L	<0.34	1.0	03/29/14 17:09	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

METHOD BLANK: 947705

Matrix: Water

Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866006, 4093866007, 4093866008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/L	<0.82	2.0	03/29/14 17:09	
Methyl-tert-butyl ether	ug/L	<0.49	1.0	03/29/14 17:09	
Methylene Chloride	ug/L	<0.36	1.0	03/29/14 17:09	
n-Butylbenzene	ug/L	<0.40	1.0	03/29/14 17:09	
n-Propylbenzene	ug/L	<0.50	1.0	03/29/14 17:09	
Naphthalene	ug/L	<2.5	5.0	03/29/14 17:09	
o-Xylene	ug/L	<0.50	1.0	03/29/14 17:09	
p-Isopropyltoluene	ug/L	<0.40	1.0	03/29/14 17:09	
sec-Butylbenzene	ug/L	<0.60	5.0	03/29/14 17:09	
Styrene	ug/L	<0.35	1.0	03/29/14 17:09	
tert-Butylbenzene	ug/L	<0.42	1.0	03/29/14 17:09	
Tetrachloroethene	ug/L	<0.47	1.0	03/29/14 17:09	
Toluene	ug/L	<0.44	1.0	03/29/14 17:09	
trans-1,2-Dichloroethene	ug/L	<0.37	1.0	03/29/14 17:09	
trans-1,3-Dichloropropene	ug/L	<0.30	1.0	03/29/14 17:09	
Trichloroethene	ug/L	<0.36	1.0	03/29/14 17:09	
Trichlorofluoromethane	ug/L	<0.48	1.0	03/29/14 17:09	
Vinyl chloride	ug/L	<0.18	1.0	03/29/14 17:09	
4-Bromofluorobenzene (S)	%	92	59-130	03/29/14 17:09	
Dibromofluoromethane (S)	%	109	70-130	03/29/14 17:09	
Toluene-d8 (S)	%	99	70-130	03/29/14 17:09	

LABORATORY CONTROL SAMPLE & LCSD: 947706

947707

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	52.7	54.2	105	108	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	50	46.6	47.1	93	94	70-130	1	20	
1,1,2-Trichloroethane	ug/L	50	49.3	49.3	99	99	70-130	0	20	
1,1-Dichloroethane	ug/L	50	62.3	61.6	125	123	70-130	1	20	
1,1-Dichloroethene	ug/L	50	56.7	56.6	113	113	70-132	0	20	
1,2,4-Trichlorobenzene	ug/L	50	42.7	45.0	85	90	70-130	5	20	
1,2-Dibromo-3-chloropropane	ug/L	50	36.1	36.9	72	74	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	50	46.7	47.5	93	95	70-130	2	20	
1,2-Dichlorobenzene	ug/L	50	48.2	49.4	96	99	70-130	2	20	
1,2-Dichloroethane	ug/L	50	56.8	56.7	114	113	70-130	0	20	
1,2-Dichloropropane	ug/L	50	52.3	53.1	105	106	70-130	2	20	
1,3-Dichlorobenzene	ug/L	50	48.0	48.4	96	97	70-130	1	20	
1,4-Dichlorobenzene	ug/L	50	47.4	48.1	95	96	70-130	1	20	
Benzene	ug/L	50	56.2	55.6	112	111	70-130	1	20	
Bromodichloromethane	ug/L	50	49.4	49.5	99	99	70-130	0	20	
Bromoform	ug/L	50	35.4	35.3	71	71	70-130	0	20	
Bromomethane	ug/L	50	31.0	36.6	62	73	34-157	17	20	
Carbon tetrachloride	ug/L	50	47.7	48.1	95	96	70-132	1	20	
Chlorobenzene	ug/L	50	50.8	51.5	102	103	70-130	1	20	
Chloroethane	ug/L	50	58.8	59.0	118	118	60-143	0	20	

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

LABORATORY CONTROL SAMPLE & LCSD: 947706		947707								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Chloroform	ug/L	50	56.0	56.9	112	114	70-130	2	20	
Chloromethane	ug/L	50	55.0	58.4	110	117	43-148	6	20	
cis-1,2-Dichloroethene	ug/L	50	56.6	57.6	113	115	51-133	2	20	
cis-1,3-Dichloropropene	ug/L	50	47.0	47.2	94	94	70-130	0	20	
Dibromochloromethane	ug/L	50	43.3	43.7	87	87	70-130	1	20	
Dichlorodifluoromethane	ug/L	50	56.3	55.6	113	111	10-174	1	20	
Ethylbenzene	ug/L	50	53.0	53.5	106	107	70-130	1	20	
Isopropylbenzene (Cumene)	ug/L	50	52.8	53.1	106	106	70-136	1	20	
m&p-Xylene	ug/L	100	105	106	105	106	70-131	1	20	
Methyl-tert-butyl ether	ug/L	50	52.2	50.5	104	101	54-139	3	20	
Methylene Chloride	ug/L	50	57.2	58.4	114	117	70-130	2	20	
o-Xylene	ug/L	50	51.3	52.0	103	104	70-130	1	20	
Styrene	ug/L	50	53.2	52.9	106	106	70-130	1	20	
Tetrachloroethene	ug/L	50	47.0	47.1	94	94	70-130	0	20	
Toluene	ug/L	50	52.2	52.9	104	106	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	59.1	59.8	118	120	70-130	1	20	
trans-1,3-Dichloropropene	ug/L	50	43.4	44.9	87	90	70-130	3	20	
Trichloroethene	ug/L	50	52.0	52.9	104	106	70-130	2	20	
Trichlorofluoromethane	ug/L	50	60.8	61.7	122	123	50-150	2	20	
Vinyl chloride	ug/L	50	59.4	59.3	119	119	59-157	0	20	
4-Bromofluorobenzene (S)	%				104	102	59-130			
Dibromofluoromethane (S)	%				112	110	70-130			
Toluene-d8 (S)	%				99	101	70-130			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 947708		947709											
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		4093885005 Result	Spike Conc.	Spike Conc.	MS Conc.								
1,1,1-Trichloroethane	ug/L	<0.44	50	50	53.3	55.4	107	111	70-130	4	20		
1,1,2,2-Tetrachloroethane	ug/L	<0.38	50	50	48.5	50.9	97	102	70-130	5	20		
1,1,2-Trichloroethane	ug/L	<0.39	50	50	52.2	52.9	104	106	70-130	1	20		
1,1-Dichloroethane	ug/L	<0.28	50	50	60.9	62.5	122	125	70-130	3	20		
1,1-Dichloroethene	ug/L	<0.43	50	50	55.0	58.6	110	117	70-138	6	20		
1,2,4-Trichlorobenzene	ug/L	<2.5	50	50	45.2	46.3	90	92	70-130	2	20		
1,2-Dibromo-3-chloropropane	ug/L	<1.5	50	50	37.7	40.0	75	80	50-150	6	20		
1,2-Dibromoethane (EDB)	ug/L	<0.38	50	50	47.8	51.3	96	103	70-130	7	20		
1,2-Dichlorobenzene	ug/L	<0.44	50	50	49.1	50.1	98	100	70-130	2	20		
1,2-Dichloroethane	ug/L	<0.48	50	50	54.4	60.5	109	121	70-130	11	20		
1,2-Dichloropropane	ug/L	<0.50	50	50	53.5	53.8	107	108	70-130	1	20		
1,3-Dichlorobenzene	ug/L	<0.45	50	50	48.8	49.8	98	100	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.43	50	50	48.5	49.7	97	99	70-130	2	20		
Benzene	ug/L	<0.50	50	50	56.4	57.5	113	115	70-130	2	20		
Bromodichloromethane	ug/L	<0.45	50	50	50.8	52.5	102	105	70-130	3	20		
Bromoform	ug/L	<0.33	50	50	36.0	39.5	72	79	70-130	9	20		
Bromomethane	ug/L	<0.43	50	50	37.3	38.6	75	77	34-159	4	20		
Carbon tetrachloride	ug/L	<0.37	50	50	48.1	50.9	96	102	70-132	6	20		
Chlorobenzene	ug/L	<0.36	50	50	52.5	53.0	105	106	70-130	1	20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4093866

Parameter	MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 947708			947709			MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
	Units	4093885005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Chloroethane	ug/L	<0.44	50	50	58.0	61.1	116	122	60-143	5	20
Chloroform	ug/L	<0.69	50	50	55.4	58.4	111	117	70-130	5	20
Chloromethane	ug/L	<0.39	50	50	55.4	56.7	111	113	43-149	2	20
cis-1,2-Dichloroethene	ug/L	<0.42	50	50	56.9	59.9	114	120	48-137	5	33
cis-1,3-Dichloropropene	ug/L	<0.29	50	50	48.7	49.5	97	99	70-130	2	20
Dibromochloromethane	ug/L	<1.9	50	50	43.8	46.7	88	93	70-130	7	20
Dichlorodifluoromethane	ug/L	<0.40	50	50	54.0	58.9	108	118	10-174	9	20
Ethylbenzene	ug/L	<0.50	50	50	53.8	54.9	108	110	70-130	2	20
Isopropylbenzene (Cumene)	ug/L	<0.34	50	50	52.9	54.2	106	108	70-136	2	20
m&p-Xylene	ug/L	<0.82	100	100	107	109	107	109	70-135	3	20
Methyl-tert-butyl ether	ug/L	<0.49	50	50	52.2	55.8	104	112	54-139	7	20
Methylene Chloride	ug/L	<0.36	50	50	58.2	60.4	116	121	70-133	4	20
o-Xylene	ug/L	<0.50	50	50	52.9	53.2	106	106	70-130	1	20
Styrene	ug/L	<0.35	50	50	53.7	55.4	107	111	70-130	3	20
Tetrachloroethene	ug/L	<0.47	50	50	48.3	48.9	97	98	70-130	1	20
Toluene	ug/L	<0.44	50	50	53.6	54.6	107	109	70-130	2	20
trans-1,2-Dichloroethene	ug/L	<0.37	50	50	58.0	61.1	116	122	70-130	5	20
trans-1,3-Dichloropropene	ug/L	<0.30	50	50	45.0	46.1	90	92	70-130	2	20
Trichloroethene	ug/L	<0.36	50	50	52.9	54.2	106	108	70-130	2	20
Trichlorofluoromethane	ug/L	<0.48	50	50	59.6	61.6	119	123	50-150	3	20
Vinyl chloride	ug/L	<0.18	50	50	58.3	62.3	117	125	59-158	7	20
4-Bromofluorobenzene (S)	%						102	103	59-130		
Dibromofluoromethane (S)	%						109	113	70-130		
Toluene-d8 (S)	%						100	102	70-130		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

QC Batch: WETA/22509 Analysis Method: EPA 300.0
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866007

METHOD BLANK: 949835 Matrix: Water
 Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloride	mg/L	<2.0	4.0	04/03/14 09:20	
Sulfate	mg/L	<2.0	4.0	04/03/14 09:20	

LABORATORY CONTROL SAMPLE: 949836

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	20	19.4	97	90-110	
Sulfate	mg/L	20	19.6	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 949837 949838

Parameter	Units	4093866001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Chloride	mg/L	216	200	423	416	104	100	90-110	2	20		
Sulfate	mg/L	64.3	40	109	109	110	111	90-110	0	20 M0		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 949839 949840

Parameter	Units	4093883004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	MSD Result	MSD Result						
Chloride	mg/L	37.6	40	80.5	80.8	107	108	90-110	0	20		
Sulfate	mg/L	24.5	40	65.5	66.0	103	104	90-110	1	20		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 4093866

QC Batch: WETA/22522 Analysis Method: EPA 353.2
QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, preserved
Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866007

METHOD BLANK: 950389 Matrix: Water
Associated Lab Samples: 4093866001, 4093866002, 4093866003, 4093866004, 4093866005, 4093866007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	<0.095	0.25	04/08/14 12:29	

LABORATORY CONTROL SAMPLE: 950390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, NO2 plus NO3	mg/L	2.5	2.6	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 950391 950392

Parameter	Units	4094028004 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Nitrogen, NO2 plus NO3	mg/L	<0.095	2.5	2.5	2.4	2.4	94	95	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 950393 950394

Parameter	Units	4093827004 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Nitrogen, NO2 plus NO3	mg/L	0.67	2.5	2.5	3.1	3.0	96	92	90-110	3	20	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

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.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 4093866

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4093866001	MW-1	EPA 8015B Modified	GCV/12111		
4093866002	MW-2	EPA 8015B Modified	GCV/12111		
4093866003	MW-3	EPA 8015B Modified	GCV/12111		
4093866004	MW-5	EPA 8015B Modified	GCV/12111		
4093866005	MW-6	EPA 8015B Modified	GCV/12111		
4093866006	MW-7	EPA 8015B Modified	GCV/12111		
4093866007	PZ-1	EPA 8015B Modified	GCV/12111		
4093866001	MW-1	EPA 8260	MSV/23606		
4093866002	MW-2	EPA 8260	MSV/23606		
4093866003	MW-3	EPA 8260	MSV/23606		
4093866004	MW-5	EPA 8260	MSV/23606		
4093866005	MW-6	EPA 8260	MSV/23606		
4093866006	MW-7	EPA 8260	MSV/23606		
4093866007	PZ-1	EPA 8260	MSV/23606		
4093866008	PZ-6	EPA 8260	MSV/23606		
4093866001	MW-1	EPA 300.0	WETA/22509		
4093866002	MW-2	EPA 300.0	WETA/22509		
4093866003	MW-3	EPA 300.0	WETA/22509		
4093866004	MW-5	EPA 300.0	WETA/22509		
4093866005	MW-6	EPA 300.0	WETA/22509		
4093866007	PZ-1	EPA 300.0	WETA/22509		
4093866001	MW-1	EPA 353.2	WETA/22522		
4093866002	MW-2	EPA 353.2	WETA/22522		
4093866003	MW-3	EPA 353.2	WETA/22522		
4093866004	MW-5	EPA 353.2	WETA/22522		
4093866005	MW-6	EPA 353.2	WETA/22522		
4093866007	PZ-1	EPA 353.2	WETA/22522		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: AECOM - GB
 Branch/Location: GB
 Project Contact: Bob Mottl
 Phone: 920-406-3147
 Project Number: 60310036
 Project Name: ONE HOUR MARTINIZING
 Project State: WI
 Sampled By (Print): *Bob Mottl*
 Sampled By (Sign): *Robert Mottl*
 PO #:



COC No. 4093866

Quote #: AECOM 2014
 Mail To Contact: Bob Mottl
 Mail To Company: AECOM - GB
 Mail To Address: 1035 Kepler Dr. Green Bay, WI 54311
 Invoice To Contact: Accounts Payable
 Invoice To Company: Same as Above
 Invoice To Address: Same as Above
 Invoice To Phone:

CHAIN OF CUSTODY

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

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

Y / N	N	N	N	N	N				
Pick Letter	B	B	C	A	A				
Analyses Requested	VOC	MEE	NO3+NO2	CHLORIDE	SULFATE				

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX
		DATE	TIME	
001	MW-1	3/27/14	11:15	GW
002	MW-2		11:00	GW
003	MW-3		10:40	GW
004	MW-5		10:30	GW
005	MW-6		11:05	GW
006	MW-7		11:30	GW
007	PZ-1		11:20	GW
	PZ-2			GW
008	PZ-6	✓	11:10	GW
	DUP			GW
	TRIP BLANK			WT

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

6-40ml^B, 2-250ml^{AC}
 INSUFFICIENT WATER
 INSUFFICIENT WATER
 FROZEN
 3/27/14
 3-40ml^B

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

Relinquished By: *Robert Mottl* Date/Time: 3/27/14 15:40
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:
 Relinquished By: Date/Time:

Received By: *Robert Mottl* Date/Time: 3/27/14 15:40
 Received By: Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:
 Received By: Date/Time:

PACE Project No. 4093866
 Receipt Temp = *102* °C
 Sample Receipt pH *OK / Adjusted*
 Cooler Custody Ser: Present / Not Present: *Intact / Not Intact*

Page 30 of 31

Sample Condition Upon Receipt

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



Project **WO# : 4093866**

Client Name: AECOM-GB



Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: _____

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

Cooler Temperature: Uncorr: _____ /Corr: R01 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 3/27/14
Initials: BJC

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

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):	<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 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. no collection times on samples.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13. <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct <u>3/27/14 BJC</u>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <u>VOA</u> coliform, 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 listed on COC, none received. <u>3/27/14 BJC</u>
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):		

If checked, see attached form for additional comments

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: received 2-250mL P^{AC} for PZ-1 (007), despite "insufficient water written on COC" 3/27/14 BJC

Project Manager Review: _____

Date: 3/28/14

June 16, 2015

Bob Mottl
AECOM, Inc. - GREEN BAY
1035 Kepler Drive
Green Bay, WI 54311

RE: Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 40116288

Dear Bob Mottl:

Enclosed are the analytical results for sample(s) received by the laboratory on June 10, 2015. 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,



Christopher Hyska
christopher.hyska@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

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

North Dakota Certification #: R-150

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

US Dept of Agriculture #: S-76505

Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40116288001	BOILER ROOM - WATER	Water	06/10/15 09:00	06/10/15 13:35
40116288002	48-INCH SUMP	Water	06/10/15 10:30	06/10/15 13:35
40116288003	18-INCH SUMP	Water	06/10/15 10:45	06/10/15 13:35
40116288004	TRIP	Water	06/10/15 00:00	06/10/15 13:35

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SAMPLE ANALYTE COUNT

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 40116288

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40116288001	BOILER ROOM - WATER	EPA 8260	HNW	64	PASI-G
40116288002	48-INCH SUMP	EPA 8260	HNW	64	PASI-G
40116288003	18-INCH SUMP	EPA 8260	HNW	64	PASI-G
40116288004	TRIP	EPA 8260	HNW	64	PASI-G

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: **BOILER ROOM - WATER** Lab ID: **40116288001** Collected: 06/10/15 09:00 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	71-43-2	
Bromobenzene	<2.3	ug/L	10.0	2.3	10		06/12/15 13:27	108-86-1	
Bromochloromethane	<3.4	ug/L	10.0	3.4	10		06/12/15 13:27	74-97-5	
Bromodichloromethane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	75-27-4	
Bromoform	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	75-25-2	
Bromomethane	<24.3	ug/L	50.0	24.3	10		06/12/15 13:27	74-83-9	
n-Butylbenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	104-51-8	
sec-Butylbenzene	<21.9	ug/L	50.0	21.9	10		06/12/15 13:27	135-98-8	
tert-Butylbenzene	<1.8	ug/L	10.0	1.8	10		06/12/15 13:27	98-06-6	
Carbon tetrachloride	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	56-23-5	
Chlorobenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	108-90-7	
Chloroethane	<3.7	ug/L	10.0	3.7	10		06/12/15 13:27	75-00-3	
Chloroform	<25.0	ug/L	50.0	25.0	10		06/12/15 13:27	67-66-3	
Chloromethane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	74-87-3	
2-Chlorotoluene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	95-49-8	
4-Chlorotoluene	<2.1	ug/L	10.0	2.1	10		06/12/15 13:27	106-43-4	
1,2-Dibromo-3-chloropropane	<21.6	ug/L	50.0	21.6	10		06/12/15 13:27	96-12-8	
Dibromochloromethane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	124-48-1	
1,2-Dibromoethane (EDB)	<1.8	ug/L	10.0	1.8	10		06/12/15 13:27	106-93-4	
Dibromomethane	<4.3	ug/L	10.0	4.3	10		06/12/15 13:27	74-95-3	
1,2-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	95-50-1	
1,3-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	541-73-1	
1,4-Dichlorobenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	106-46-7	
Dichlorodifluoromethane	<2.2	ug/L	10.0	2.2	10		06/12/15 13:27	75-71-8	
1,1-Dichloroethane	<2.4	ug/L	10.0	2.4	10		06/12/15 13:27	75-34-3	
1,2-Dichloroethane	<1.7	ug/L	10.0	1.7	10		06/12/15 13:27	107-06-2	
1,1-Dichloroethene	<4.1	ug/L	10.0	4.1	10		06/12/15 13:27	75-35-4	
cis-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/12/15 13:27	156-59-2	
trans-1,2-Dichloroethene	<2.6	ug/L	10.0	2.6	10		06/12/15 13:27	156-60-5	
1,2-Dichloropropane	<2.3	ug/L	10.0	2.3	10		06/12/15 13:27	78-87-5	
1,3-Dichloropropane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	142-28-9	
2,2-Dichloropropane	<4.8	ug/L	10.0	4.8	10		06/12/15 13:27	594-20-7	
1,1-Dichloropropene	<4.4	ug/L	10.0	4.4	10		06/12/15 13:27	563-58-6	
cis-1,3-Dichloropropene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	10061-01-5	
trans-1,3-Dichloropropene	<2.3	ug/L	10.0	2.3	10		06/12/15 13:27	10061-02-6	
Diisopropyl ether	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	108-20-3	
Ethylbenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	100-41-4	
Hexachloro-1,3-butadiene	<21.1	ug/L	50.0	21.1	10		06/12/15 13:27	87-68-3	
Isopropylbenzene (Cumene)	<1.4	ug/L	10.0	1.4	10		06/12/15 13:27	98-82-8	
p-Isopropyltoluene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	99-87-6	
Methylene Chloride	<2.3	ug/L	10.0	2.3	10		06/12/15 13:27	75-09-2	
Methyl-tert-butyl ether	<1.7	ug/L	10.0	1.7	10		06/12/15 13:27	1634-04-4	
Naphthalene	<25.0	ug/L	50.0	25.0	10		06/12/15 13:27	91-20-3	
n-Propylbenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	103-65-1	
Styrene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	100-42-5	
1,1,1,2-Tetrachloroethane	<1.8	ug/L	10.0	1.8	10		06/12/15 13:27	630-20-6	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: BOILER ROOM - WATER **Lab ID: 40116288001** Collected: 06/10/15 09:00 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	<2.5	ug/L	10.0	2.5	10		06/12/15 13:27	79-34-5	
Tetrachloroethene	840	ug/L	10.0	5.0	10		06/12/15 13:27	127-18-4	
Toluene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	108-88-3	
1,2,3-Trichlorobenzene	<21.3	ug/L	50.0	21.3	10		06/12/15 13:27	87-61-6	
1,2,4-Trichlorobenzene	<22.1	ug/L	50.0	22.1	10		06/12/15 13:27	120-82-1	
1,1,1-Trichloroethane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	71-55-6	
1,1,2-Trichloroethane	<2.0	ug/L	10.0	2.0	10		06/12/15 13:27	79-00-5	
Trichloroethene	35.5	ug/L	10.0	3.3	10		06/12/15 13:27	79-01-6	
Trichlorofluoromethane	<1.8	ug/L	10.0	1.8	10		06/12/15 13:27	75-69-4	
1,2,3-Trichloropropane	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	96-18-4	
1,2,4-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	95-63-6	
1,3,5-Trimethylbenzene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	108-67-8	
Vinyl chloride	<1.8	ug/L	10.0	1.8	10		06/12/15 13:27	75-01-4	
m&p-Xylene	<10.0	ug/L	20.0	10.0	10		06/12/15 13:27	179601-23-1	
o-Xylene	<5.0	ug/L	10.0	5.0	10		06/12/15 13:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		10		06/12/15 13:27	460-00-4	
Dibromofluoromethane (S)	97	%	70-130		10		06/12/15 13:27	1868-53-7	
Toluene-d8 (S)	100	%	70-130		10		06/12/15 13:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: 48-INCH SUMP **Lab ID: 40116288002** Collected: 06/10/15 10:30 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Benzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	71-43-2	
Bromobenzene	<1.2	ug/L	5.0	1.2	5		06/12/15 13:49	108-86-1	
Bromochloromethane	<1.7	ug/L	5.0	1.7	5		06/12/15 13:49	74-97-5	
Bromodichloromethane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	75-27-4	
Bromoform	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	75-25-2	
Bromomethane	<12.2	ug/L	25.0	12.2	5		06/12/15 13:49	74-83-9	
n-Butylbenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	104-51-8	
sec-Butylbenzene	<10.9	ug/L	25.0	10.9	5		06/12/15 13:49	135-98-8	
tert-Butylbenzene	<0.90	ug/L	5.0	0.90	5		06/12/15 13:49	98-06-6	
Carbon tetrachloride	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	56-23-5	
Chlorobenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	108-90-7	
Chloroethane	<1.9	ug/L	5.0	1.9	5		06/12/15 13:49	75-00-3	
Chloroform	<12.5	ug/L	25.0	12.5	5		06/12/15 13:49	67-66-3	
Chloromethane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	74-87-3	
2-Chlorotoluene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	95-49-8	
4-Chlorotoluene	<1.1	ug/L	5.0	1.1	5		06/12/15 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	<10.8	ug/L	25.0	10.8	5		06/12/15 13:49	96-12-8	
Dibromochloromethane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	124-48-1	
1,2-Dibromoethane (EDB)	<0.89	ug/L	5.0	0.89	5		06/12/15 13:49	106-93-4	
Dibromomethane	<2.1	ug/L	5.0	2.1	5		06/12/15 13:49	74-95-3	
1,2-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	95-50-1	
1,3-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	541-73-1	
1,4-Dichlorobenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	106-46-7	
Dichlorodifluoromethane	<1.1	ug/L	5.0	1.1	5		06/12/15 13:49	75-71-8	
1,1-Dichloroethane	<1.2	ug/L	5.0	1.2	5		06/12/15 13:49	75-34-3	
1,2-Dichloroethane	<0.84	ug/L	5.0	0.84	5		06/12/15 13:49	107-06-2	
1,1-Dichloroethene	<2.1	ug/L	5.0	2.1	5		06/12/15 13:49	75-35-4	
cis-1,2-Dichloroethene	60.1	ug/L	5.0	1.3	5		06/12/15 13:49	156-59-2	
trans-1,2-Dichloroethene	1.9J	ug/L	5.0	1.3	5		06/12/15 13:49	156-60-5	
1,2-Dichloropropane	<1.2	ug/L	5.0	1.2	5		06/12/15 13:49	78-87-5	
1,3-Dichloropropane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	142-28-9	
2,2-Dichloropropane	<2.4	ug/L	5.0	2.4	5		06/12/15 13:49	594-20-7	
1,1-Dichloropropene	<2.2	ug/L	5.0	2.2	5		06/12/15 13:49	563-58-6	
cis-1,3-Dichloropropene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	10061-01-5	
trans-1,3-Dichloropropene	<1.1	ug/L	5.0	1.1	5		06/12/15 13:49	10061-02-6	
Diisopropyl ether	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	108-20-3	
Ethylbenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	100-41-4	
Hexachloro-1,3-butadiene	<10.5	ug/L	25.0	10.5	5		06/12/15 13:49	87-68-3	
Isopropylbenzene (Cumene)	<0.72	ug/L	5.0	0.72	5		06/12/15 13:49	98-82-8	
p-Isopropyltoluene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	99-87-6	
Methylene Chloride	<1.2	ug/L	5.0	1.2	5		06/12/15 13:49	75-09-2	
Methyl-tert-butyl ether	<0.87	ug/L	5.0	0.87	5		06/12/15 13:49	1634-04-4	
Naphthalene	<12.5	ug/L	25.0	12.5	5		06/12/15 13:49	91-20-3	
n-Propylbenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	103-65-1	
Styrene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	<0.90	ug/L	5.0	0.90	5		06/12/15 13:49	630-20-6	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: 48-INCH SUMP **Lab ID: 40116288002** Collected: 06/10/15 10:30 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<1.2	ug/L	5.0	1.2	5		06/12/15 13:49	79-34-5	
Tetrachloroethene	397	ug/L	5.0	2.5	5		06/12/15 13:49	127-18-4	
Toluene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	108-88-3	
1,2,3-Trichlorobenzene	<10.7	ug/L	25.0	10.7	5		06/12/15 13:49	87-61-6	
1,2,4-Trichlorobenzene	<11.0	ug/L	25.0	11.0	5		06/12/15 13:49	120-82-1	
1,1,1-Trichloroethane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	71-55-6	
1,1,2-Trichloroethane	<0.99	ug/L	5.0	0.99	5		06/12/15 13:49	79-00-5	
Trichloroethene	67.3	ug/L	5.0	1.7	5		06/12/15 13:49	79-01-6	
Trichlorofluoromethane	<0.92	ug/L	5.0	0.92	5		06/12/15 13:49	75-69-4	
1,2,3-Trichloropropane	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	96-18-4	
1,2,4-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	95-63-6	
1,3,5-Trimethylbenzene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	108-67-8	
Vinyl chloride	1.9J	ug/L	5.0	0.88	5		06/12/15 13:49	75-01-4	
m&p-Xylene	<5.0	ug/L	10.0	5.0	5		06/12/15 13:49	179601-23-1	
o-Xylene	<2.5	ug/L	5.0	2.5	5		06/12/15 13:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		5		06/12/15 13:49	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		5		06/12/15 13:49	1868-53-7	
Toluene-d8 (S)	101	%	70-130		5		06/12/15 13:49	2037-26-5	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: 18-INCH SUMP **Lab ID: 40116288003** Collected: 06/10/15 10:45 Received: 06/10/15 13:35 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		06/11/15 14:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/11/15 14:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/11/15 14:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/11/15 14:17	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/11/15 14:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/11/15 14:17	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/11/15 14:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/11/15 14:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/11/15 14:17	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/11/15 14:17	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/11/15 14:17	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/11/15 14:17	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/11/15 14:17	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/11/15 14:17	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/11/15 14:17	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/11/15 14:17	75-35-4	
cis-1,2-Dichloroethene	1.2	ug/L	1.0	0.26	1		06/11/15 14:17	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/11/15 14:17	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/11/15 14:17	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/11/15 14:17	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/11/15 14:17	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/11/15 14:17	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/11/15 14:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/11/15 14:17	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/11/15 14:17	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/11/15 14:17	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/11/15 14:17	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/11/15 14:17	630-20-6	

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: 18-INCH SUMP **Lab ID: 40116288003** Collected: 06/10/15 10:45 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/11/15 14:17	79-34-5	
Tetrachloroethene	8.1	ug/L	1.0	0.50	1		06/11/15 14:17	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/11/15 14:17	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/11/15 14:17	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/11/15 14:17	79-00-5	
Trichloroethene	2.0	ug/L	1.0	0.33	1		06/11/15 14:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/11/15 14:17	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/11/15 14:17	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/11/15 14:17	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/11/15 14:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		06/11/15 14:17	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		06/11/15 14:17	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		06/11/15 14:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: TRIP **Lab ID:** 40116288004 Collected: 06/10/15 00:00 Received: 06/10/15 13:35 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		06/11/15 16:10	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		06/11/15 16:10	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		06/11/15 16:10	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		06/11/15 16:10	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		06/11/15 16:10	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		06/11/15 16:10	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		06/11/15 16:10	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		06/11/15 16:10	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		06/11/15 16:10	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		06/11/15 16:10	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		06/11/15 16:10	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		06/11/15 16:10	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		06/11/15 16:10	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		06/11/15 16:10	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		06/11/15 16:10	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		06/11/15 16:10	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/11/15 16:10	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		06/11/15 16:10	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		06/11/15 16:10	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		06/11/15 16:10	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		06/11/15 16:10	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		06/11/15 16:10	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		06/11/15 16:10	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		06/11/15 16:10	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		06/11/15 16:10	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		06/11/15 16:10	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		06/11/15 16:10	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		06/11/15 16:10	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Sample: TRIP **Lab ID: 40116288004** Collected: 06/10/15 00:00 Received: 06/10/15 13:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		06/11/15 16:10	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		06/11/15 16:10	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		06/11/15 16:10	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		06/11/15 16:10	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		06/11/15 16:10	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		06/11/15 16:10	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		06/11/15 16:10	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		06/11/15 16:10	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		06/11/15 16:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		06/11/15 16:10	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		06/11/15 16:10	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		06/11/15 16:10	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

QC Batch: MSV/28848 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40116288001, 40116288002, 40116288003, 40116288004

METHOD BLANK: 1173824 Matrix: Water
Associated Lab Samples: 40116288001, 40116288002, 40116288003, 40116288004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	06/11/15 07:28	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	06/11/15 07:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	06/11/15 07:28	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	06/11/15 07:28	
1,1-Dichloroethane	ug/L	<0.24	1.0	06/11/15 07:28	
1,1-Dichloroethene	ug/L	<0.41	1.0	06/11/15 07:28	
1,1-Dichloropropene	ug/L	<0.44	1.0	06/11/15 07:28	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	06/11/15 07:28	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	06/11/15 07:28	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	06/11/15 07:28	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	06/11/15 07:28	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	06/11/15 07:28	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	06/11/15 07:28	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	06/11/15 07:28	
1,2-Dichloroethane	ug/L	<0.17	1.0	06/11/15 07:28	
1,2-Dichloropropane	ug/L	<0.23	1.0	06/11/15 07:28	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	06/11/15 07:28	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	06/11/15 07:28	
1,3-Dichloropropane	ug/L	<0.50	1.0	06/11/15 07:28	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	06/11/15 07:28	
2,2-Dichloropropane	ug/L	<0.48	1.0	06/11/15 07:28	
2-Chlorotoluene	ug/L	<0.50	1.0	06/11/15 07:28	
4-Chlorotoluene	ug/L	<0.21	1.0	06/11/15 07:28	
Benzene	ug/L	<0.50	1.0	06/11/15 07:28	
Bromobenzene	ug/L	<0.23	1.0	06/11/15 07:28	
Bromochloromethane	ug/L	<0.34	1.0	06/11/15 07:28	
Bromodichloromethane	ug/L	<0.50	1.0	06/11/15 07:28	
Bromoform	ug/L	<0.50	1.0	06/11/15 07:28	
Bromomethane	ug/L	<2.4	5.0	06/11/15 07:28	
Carbon tetrachloride	ug/L	<0.50	1.0	06/11/15 07:28	
Chlorobenzene	ug/L	<0.50	1.0	06/11/15 07:28	
Chloroethane	ug/L	<0.37	1.0	06/11/15 07:28	
Chloroform	ug/L	<2.5	5.0	06/11/15 07:28	
Chloromethane	ug/L	<0.50	1.0	06/11/15 07:28	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	06/11/15 07:28	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	06/11/15 07:28	
Dibromochloromethane	ug/L	<0.50	1.0	06/11/15 07:28	
Dibromomethane	ug/L	<0.43	1.0	06/11/15 07:28	
Dichlorodifluoromethane	ug/L	<0.22	1.0	06/11/15 07:28	
Diisopropyl ether	ug/L	<0.50	1.0	06/11/15 07:28	
Ethylbenzene	ug/L	<0.50	1.0	06/11/15 07:28	

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Project No.: 40116288

METHOD BLANK: 1173824

Matrix: Water

Associated Lab Samples: 40116288001, 40116288002, 40116288003, 40116288004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	06/11/15 07:28	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	06/11/15 07:28	
m&p-Xylene	ug/L	<1.0	2.0	06/11/15 07:28	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	06/11/15 07:28	
Methylene Chloride	ug/L	<0.23	1.0	06/11/15 07:28	
n-Butylbenzene	ug/L	<0.50	1.0	06/11/15 07:28	
n-Propylbenzene	ug/L	<0.50	1.0	06/11/15 07:28	
Naphthalene	ug/L	<2.5	5.0	06/11/15 07:28	
o-Xylene	ug/L	<0.50	1.0	06/11/15 07:28	
p-Isopropyltoluene	ug/L	<0.50	1.0	06/11/15 07:28	
sec-Butylbenzene	ug/L	<2.2	5.0	06/11/15 07:28	
Styrene	ug/L	<0.50	1.0	06/11/15 07:28	
tert-Butylbenzene	ug/L	<0.18	1.0	06/11/15 07:28	
Tetrachloroethene	ug/L	<0.50	1.0	06/11/15 07:28	
Toluene	ug/L	<0.50	1.0	06/11/15 07:28	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	06/11/15 07:28	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	06/11/15 07:28	
Trichloroethene	ug/L	<0.33	1.0	06/11/15 07:28	
Trichlorofluoromethane	ug/L	<0.18	1.0	06/11/15 07:28	
Vinyl chloride	ug/L	<0.18	1.0	06/11/15 07:28	
4-Bromofluorobenzene (S)	%	103	70-130	06/11/15 07:28	
Dibromofluoromethane (S)	%	102	70-130	06/11/15 07:28	
Toluene-d8 (S)	%	104	70-130	06/11/15 07:28	

LABORATORY CONTROL SAMPLE & LCSD: 1173825

1173826

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	22.3	22.0	111	110	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	20	22.3	22.7	112	114	70-130	2	20	
1,1,2-Trichloroethane	ug/L	20	22.0	22.6	110	113	70-130	3	20	
1,1-Dichloroethane	ug/L	20	24.3	24.5	122	122	70-130	1	20	
1,1-Dichloroethene	ug/L	20	23.6	23.7	118	118	70-130	0	20	
1,2,4-Trichlorobenzene	ug/L	20	20.9	21.1	105	105	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	20	18.6	18.1	93	90	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/L	20	20.9	21.1	105	106	70-130	1	20	
1,2-Dichlorobenzene	ug/L	20	20.7	21.6	103	108	70-130	4	20	
1,2-Dichloroethane	ug/L	20	23.1	22.9	116	114	70-131	1	20	
1,2-Dichloropropane	ug/L	20	22.6	22.5	113	113	70-130	1	20	
1,3-Dichlorobenzene	ug/L	20	21.1	21.1	105	105	70-130	0	20	
1,4-Dichlorobenzene	ug/L	20	20.8	21.3	104	106	70-130	2	20	
Benzene	ug/L	20	23.6	24.0	118	120	70-130	2	20	
Bromodichloromethane	ug/L	20	20.8	21.2	104	106	70-130	2	20	
Bromoform	ug/L	20	15.6	15.8	78	79	68-130	1	20	
Bromomethane	ug/L	20	19.5	21.5	98	108	38-137	10	20	

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 40116288

LABORATORY CONTROL SAMPLE & LCSD:		1173825		1173826							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/L	20	20.5	20.7	102	103	70-130	1	20		
Chlorobenzene	ug/L	20	21.7	21.9	108	110	70-130	1	20		
Chloroethane	ug/L	20	26.5	25.8	132	129	70-136	3	20		
Chloroform	ug/L	20	24.0	23.4	120	117	70-130	3	20		
Chloromethane	ug/L	20	25.3	26.1	127	130	48-144	3	20		
cis-1,2-Dichloroethene	ug/L	20	24.7	24.0	124	120	70-130	3	20		
cis-1,3-Dichloropropene	ug/L	20	20.3	20.2	102	101	70-130	0	20		
Dibromochloromethane	ug/L	20	18.3	19.0	92	95	70-130	4	20		
Dichlorodifluoromethane	ug/L	20	22.4	23.1	112	115	33-157	3	20		
Ethylbenzene	ug/L	20	23.2	23.4	116	117	70-132	1	20		
Isopropylbenzene (Cumene)	ug/L	20	22.4	22.8	112	114	70-130	2	20		
m&p-Xylene	ug/L	40	45.0	45.4	113	114	70-131	1	20		
Methyl-tert-butyl ether	ug/L	20	22.8	22.2	114	111	48-141	3	20		
Methylene Chloride	ug/L	20	23.8	23.8	119	119	70-130	0	20		
o-Xylene	ug/L	20	22.0	21.7	110	109	70-131	1	20		
Styrene	ug/L	20	21.8	22.1	109	111	70-130	1	20		
Tetrachloroethene	ug/L	20	20.2	20.8	101	104	70-130	3	20		
Toluene	ug/L	20	22.7	23.1	113	116	70-130	2	20		
trans-1,2-Dichloroethene	ug/L	20	24.2	24.0	121	120	70-130	1	20		
trans-1,3-Dichloropropene	ug/L	20	19.2	19.2	96	96	70-130	0	20		
Trichloroethene	ug/L	20	22.6	23.2	113	116	70-130	3	20		
Trichlorofluoromethane	ug/L	20	26.3	25.9	132	129	50-150	2	20		
Vinyl chloride	ug/L	20	25.5	26.1	128	131	65-142	2	20		
4-Bromofluorobenzene (S)	%				105	105	70-130				
Dibromofluoromethane (S)	%				106	103	70-130				
Toluene-d8 (S)	%				105	104	70-130				

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1173827		1173828								
Parameter	Units	40116194006	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result										
1,1,1-Trichloroethane	ug/L	<0.50	50	50	57.3	58.8	115	118	70-130	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.6	55.7	109	111	70-130	2	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	53.9	55.9	108	112	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	59.8	62.3	120	125	70-134	4	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	60.1	61.5	120	123	70-139	2	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	52.1	53.0	104	106	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	49.5	50.8	99	102	50-150	3	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	52.5	54.5	105	109	70-130	4	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.2	52.6	104	105	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	56.0	59.3	112	119	70-132	6	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	56.3	57.2	113	114	70-130	2	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	52.5	53.1	105	106	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	51.4	52.5	103	105	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1173827 1173828											
Parameter	Units	40116194006 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD	
Benzene	ug/L	<0.50	50	50	59.3	61.3	119	123	70-130	3	20
Bromodichloromethane	ug/L	<0.50	50	50	53.7	55.0	107	110	70-132	2	20
Bromoform	ug/L	<0.50	50	50	41.5	43.1	83	86	68-130	4	20
Bromomethane	ug/L	<2.4	50	50	59.3	62.7	119	125	38-141	6	20
Carbon tetrachloride	ug/L	<0.50	50	50	53.9	56.0	108	112	70-130	4	20
Chlorobenzene	ug/L	<0.50	50	50	53.0	54.4	106	109	70-130	3	20
Chloroethane	ug/L	<0.37	50	50	64.0	66.8	128	134	66-152	4	20
Chloroform	ug/L	<2.5	50	50	58.2	60.6	116	121	70-130	4	20
Chloromethane	ug/L	<0.50	50	50	60.9	64.8	122	130	44-151	6	20
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	60.9	61.6	122	123	70-130	1	20
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	52.6	53.6	105	107	70-130	2	20
Dibromochloromethane	ug/L	<0.50	50	50	48.0	49.1	96	98	70-130	2	20
Dichlorodifluoromethane	ug/L	<0.22	50	50	55.1	56.9	110	114	29-160	3	20
Ethylbenzene	ug/L	<0.50	50	50	57.1	58.2	114	116	70-132	2	20
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	56.0	56.9	112	114	70-130	2	20
m&p-Xylene	ug/L	<1.0	100	100	111	114	111	114	70-131	3	20
Methyl-tert-butyl ether	ug/L	<0.17	50	50	54.9	58.7	110	117	48-143	7	20
Methylene Chloride	ug/L	<0.23	50	50	60.8	62.7	122	125	70-130	3	20
o-Xylene	ug/L	<0.50	50	50	53.9	54.4	108	109	70-131	1	20
Styrene	ug/L	<0.50	50	50	54.7	55.0	109	110	70-130	1	20
Tetrachloroethene	ug/L	<0.50	50	50	49.5	51.5	99	103	70-130	4	20
Toluene	ug/L	<0.50	50	50	55.9	58.3	112	117	70-130	4	20
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	59.0	61.9	118	124	70-132	5	20
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	50.9	52.6	102	105	70-130	3	20
Trichloroethene	ug/L	<0.33	50	50	57.7	58.5	115	117	70-130	1	20
Trichlorofluoromethane	ug/L	<0.18	50	50	64.4	66.8	129	134	50-153	4	20
Vinyl chloride	ug/L	<0.18	50	50	63.4	66.4	127	133	60-155	5	20
4-Bromofluorobenzene (S)	%						103	104	70-130		
Dibromofluoromethane (S)	%						106	107	70-130		
Toluene-d8 (S)	%						105	105	70-130		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60310036 ONE HOUR MARTINIZING
Pace Project No.: 40116288

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60310036 ONE HOUR MARTINIZING

Pace Project No.: 40116288

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40116288001	BOILER ROOM - WATER	EPA 8260	MSV/28848		
40116288002	48-INCH SUMP	EPA 8260	MSV/28848		
40116288003	18-INCH SUMP	EPA 8260	MSV/28848		
40116288004	TRIP	EPA 8260	MSV/28848		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **AECOM**
 Branch/Location: **GREEN BAY**
 Project Contact: **B.B. MOTTZ**
 Phone: **920-406-3147**
 Project Number: **60310036**
 Project Name: **ONE HOUR MARTINIZING**
 Project State: **WI**
 Sampled By (Print): **BOB MOTTZ**
 Sampled By (Sign): *Bob Mottz*
 PO #:
 Regulatory Program:



UPPER MIDWEST REGION

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

40116288

CHAIN OF CUSTODY

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

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

Y/N	Pick Letter	Analysis Requested																
	B	VOCs																

Quote #: **AECOM 2015**
 Mail To Contact: **B.B. MOTTZ**
 Mail To Company: **AECOM**
 Mail To Address: **1035 KEPLER DR GREEN BAY WI**
 Invoice To Contact:
 Invoice To Company: **SAME**
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)
 Profile #

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

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

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

PACE LAB #	CLIENT FIELD ID	COLLECTION		MATRIX	Analysis Requested
		DATE	TIME		
001	BOILER ROOM-WATER	6/10/15	9:00	W	X
002	48-INCH SUMP	6/10/15	10:30	W	X
003	18-INCH SUMP	6/10/15	10:45	W	X
004	TRIP				

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

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

Relinquished By: <i>Bob Mottz</i> Date/Time: 6/10/15 12:20	Received By: <i>Mark Wagoner</i> Date/Time: 6/10/15 1220	PACE Project No. 40116288 Receipt Temp = ROT °C Sample Receipt pH OK / Adjusted Cooler Custody Seal Present / Not Present Intact / Not Intact
Relinquished By: <i>Mark Wagoner</i> Date/Time: 6/10/15 1335	Received By: <i>Suzanne Kuffie</i> Date/Time: 6/10/15 1335	
Relinquished By:	Received By:	
Relinquished By:	Received By:	

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



Sample Condition Upon Receipt

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

Project #:

WO#: 40116288

Client Name: AECOM

Courier: Fed Ex UPS Client Pace Other

Tracking #:



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

Cooler Temperature Uncorr: 101 ICorr: Biological Tissue is Frozen: yes no

Temp Blank Present: yes no

Person examining contents:
Date: 6-10-15
Initials: [Signature]

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

Comments:

Table with 15 rows of inspection criteria and checkboxes. Includes items like Chain of Custody Present, Short Hold Time Analysis, Rush Turn Around Time Requested, etc.

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

Project Manager Review: [Signature] Date: 6-10-15

June 16, 2015

Bob Mottl
AECOM
1035 Kepler Drive
Green Bay, WI 54311

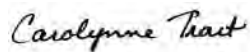
RE: Project: 60310036 One Hour Martenizing
Pace Project No.: 10310038

Dear Bob Mottl:

Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2015. 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@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Alabama Certification #40770

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

Colorado Certification #Pace

Connecticut Certification #: PH-0256

EPA Region 8 Certification #: 8TMS-L

Florida/NELAP Certification #: E87605

Guam Certification #:14-008r

Georgia Certification #: 959

Georgia EPD #: Pace

Idaho Certification #: MN00064

Hawaii Certification #MN00064

Illinois Certification #: 200011

Indiana Certification#C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky Dept of Envi. Protection - DW #90062

Kentucky Dept of Envi. Protection - WW #:90062

Louisiana DEQ Certification #: 3086

Louisiana DHH #: LA140001

Maine Certification #: 2013011

Maryland Certification #: 322

Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New York Certification #: 11647

North Carolina Certification #: 530

North Carolina State Public Health #: 27700

North Dakota Certification #: R-036

Ohio EPA #: 4150

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Oregon Certification #: MN300001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Saipan (CNMI) #:MP0003

South Carolina #:74003001

Texas Certification #: T104704192

Tennessee Certification #: 02818

Utah Certification #: MN000642013-4

Virginia DGS Certification #: 251

Virginia/VELAP Certification #: Pace

Washington Certification #: C486

West Virginia Certification #: 382

West Virginia DHHR #:9952C

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10310038001	Boiler Room	Air	06/10/15 09:51	06/12/15 09:35
10310038002	Utility Trench	Air	06/10/15 09:52	06/12/15 09:35
10310038003	48" Sump	Air	06/10/15 11:13	06/12/15 09:35
10310038004	18" Sump	Air	06/10/15 11:28	06/12/15 09:35
10310038005	Ejector	Air	06/10/15 12:33	06/12/15 09:35

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SAMPLE ANALYTE COUNT

Project: 60310036 One Hour Martenizing
Pace Project No.: 10310038

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10310038001	Boiler Room	TO-15	MJL	5	PASI-M
10310038002	Utility Trench	TO-15	MJL	5	PASI-M
10310038003	48" Sump	TO-15	MJL	5	PASI-M
10310038004	18" Sump	TO-15	MJL	5	PASI-M
10310038005	Ejector	TO-15	MJL	5	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

Sample: Boiler Room									
		Lab ID: 10310038001	Collected: 06/10/15 09:51			Received: 06/12/15 09:35		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	326	ug/m3	65.1	19.8	80.4		06/14/15 14:30	156-59-2	A3
trans-1,2-Dichloroethene	83.0	ug/m3	1.6	0.77	2.01		06/13/15 14:22	156-60-5	
Tetrachloroethene	15700	ug/m3	55.4	22.4	80.4		06/14/15 14:30	127-18-4	A3
Trichloroethene	1900	ug/m3	44.2	22.2	80.4		06/14/15 14:30	79-01-6	A3
Vinyl chloride	1.4	ug/m3	0.52	0.39	2.01		06/13/15 14:22	75-01-4	

Sample: Utility Trench									
		Lab ID: 10310038002	Collected: 06/10/15 09:52			Received: 06/12/15 09:35		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	<0.43	ug/m3	1.4	0.43	1.75		06/13/15 14:53	156-59-2	
trans-1,2-Dichloroethene	<0.67	ug/m3	1.4	0.67	1.75		06/13/15 14:53	156-60-5	
Tetrachloroethene	957	ug/m3	12.1	4.9	17.5		06/14/15 13:39	127-18-4	
Trichloroethene	<0.48	ug/m3	0.96	0.48	1.75		06/13/15 14:53	79-01-6	
Vinyl chloride	<0.34	ug/m3	0.46	0.34	1.75		06/13/15 14:53	75-01-4	

Sample: 48" Sump									
		Lab ID: 10310038003	Collected: 06/10/15 11:13			Received: 06/12/15 09:35		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	187	ug/m3	1.4	0.43	1.75		06/13/15 15:24	156-59-2	
trans-1,2-Dichloroethene	2.1	ug/m3	1.4	0.67	1.75		06/13/15 15:24	156-60-5	
Tetrachloroethene	1900	ug/m3	24.1	9.7	35		06/14/15 14:04	127-18-4	
Trichloroethene	255	ug/m3	0.96	0.48	1.75		06/13/15 15:24	79-01-6	
Vinyl chloride	3.6	ug/m3	0.46	0.34	1.75		06/13/15 15:24	75-01-4	

Sample: 18" Sump									
		Lab ID: 10310038004	Collected: 06/10/15 11:28			Received: 06/12/15 09:35		Matrix: Air	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	19.7	ug/m3	1.4	0.41	1.68		06/13/15 15:57	156-59-2	
trans-1,2-Dichloroethene	2.1	ug/m3	1.4	0.65	1.68		06/13/15 15:57	156-60-5	
Tetrachloroethene	839	ug/m3	7.8	3.1	11.26		06/14/15 13:13	127-18-4	
Trichloroethene	65.1	ug/m3	0.92	0.46	1.68		06/13/15 15:57	79-01-6	
Vinyl chloride	<0.33	ug/m3	0.44	0.33	1.68		06/13/15 15:57	75-01-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

Sample: Ejector **Lab ID: 10310038005** Collected: 06/10/15 12:33 Received: 06/12/15 09:35 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15							
cis-1,2-Dichloroethene	7.6	ug/m3	1.5	0.45	1.83		06/13/15 16:29	156-59-2	
trans-1,2-Dichloroethene	<0.70	ug/m3	1.5	0.70	1.83		06/13/15 16:29	156-60-5	
Tetrachloroethene	508	ug/m3	7.9	3.2	11.53		06/14/15 12:46	127-18-4	
Trichloroethene	16.9	ug/m3	1.0	0.51	1.83		06/13/15 16:29	79-01-6	
Vinyl chloride	<0.36	ug/m3	0.48	0.36	1.83		06/13/15 16:29	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

QC Batch: AIR/23458 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10310038001, 10310038002, 10310038003, 10310038004, 10310038005

METHOD BLANK: 1993830 Matrix: Air
 Associated Lab Samples: 10310038001, 10310038002, 10310038003, 10310038004, 10310038005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	06/13/15 10:47	
Tetrachloroethene	ug/m3	<0.28	0.69	06/13/15 10:47	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	06/13/15 10:47	
Trichloroethene	ug/m3	<0.28	0.55	06/13/15 10:47	
Vinyl chloride	ug/m3	<0.20	0.26	06/13/15 10:47	

LABORATORY CONTROL SAMPLE: 1993831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	46.8	116	64-137	
Tetrachloroethene	ug/m3	69	74.4	108	66-137	
trans-1,2-Dichloroethene	ug/m3	40.3	46.6	116	61-140	
Trichloroethene	ug/m3	54.6	60.3	110	70-134	
Vinyl chloride	ug/m3	26	29.3	113	72-129	

SAMPLE DUPLICATE: 1993850

Parameter	Units	10309797001 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.25		25	
Tetrachloroethene	ug/m3	ND	<0.28		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.38		25	
Trichloroethene	ug/m3	ND	<0.28		25	
Vinyl chloride	ug/m3	ND	<0.20		25	

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

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

DEFINITIONS

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

ND - Not Detected at or above LOD.

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

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

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

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 60310036 One Hour Martenizing

Pace Project No.: 10310038

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10310038001	Boiler Room	TO-15	AIR/23458		
10310038002	Utility Trench	TO-15	AIR/23458		
10310038003	48" Sump	TO-15	AIR/23458		
10310038004	18" Sump	TO-15	AIR/23458		
10310038005	Ejector	TO-15	AIR/23458		

REPORT OF LABORATORY ANALYSIS

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10310050

Section A Required Client Information: Company: <u>AECOM</u> Address: <u>GREEN BAY</u> Email To: <u>BOB NOTTL</u> Phone: _____ Fax: _____ Requested Due Date/TAT: _____	Section B Required Project Information: Report To: <u>BOB NOTTL</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>ONE HOUR MAINTENANCE</u> Project Number: <u>60310036</u>	Section C Invoice Information: Attention: <u>BOB NOTTL</u> Company Name: <u>AECOM</u> Address: <u>GREEN BAY</u> Pace Quote Reference: _____ Pace Project Manager/Sales Rep. _____ Pace Profile #: _____	15958 Page: <u>1</u> of <u>1</u> Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other _____ Location of Sampling by State <u>WI</u> Reporting Units ug/m ³ _____ mg/m ³ _____ PPBV _____ PPMV _____ Other _____ Report Level: II. _____ III. _____ IV. _____ Other _____
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ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE	Tediator Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:								Pace Lab ID	
						COMPOSITE START END/GRAB		COMPOSITE -						PM10	3C- Fixed Gas (%)	TO-3	TO-2M (Methane)	TO-1 (PCBs)	TO-13 (PAH)	TO-14	TO-15		TO-15 Short List*
						DATE	TIME	DATE	TIME														
1	BOILER ROOM	6LC				6/10/15	9:11	6/10/15	9:51	29.0	9.5	0491										001	
2	UTILITY TRENCH						9:22		9:52	28.5	7.0	0416											002
3	48" SUMP						10:43	11:13	23.0	7.0	0534												003
4	18" SUMP						10:58	11:28	30.0	7.0	0575												004
5	EJECTOR	6LC				6/10/15	12:03	6/10	12:33	28.5	8.0	0050											005

Comments: Short chlor. list per Bob Nottl email 6/9/15

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
<u>[Signature]</u>	6/10/15	1335	<u>[Signature]</u>	6/10/15	1335	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
			<u>[Signature]</u>	6/12/15	0935	AMB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Thane Magee
 SIGNATURE of SAMPLER: [Signature] DATE Signed (MM/DD/YY): 6/10/15

Air Sample Condition Upon Receipt

Client Name:

Accom GB

Project #:

WO# : 10310038



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

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 Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): / Corrected Temp (°C): / Thermom. Used: B88A912167504 72337080
 B88A9132521491 80512447
 Date & Initials of Person Examining Contents: / /

Type of ice Received Blue Wet None

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 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>air can</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>Boiler Room</u>	<u>0491</u>		<u>0510</u>		
<u>utility trench</u>	<u>0416</u>		<u>0686</u>		
<u>48" sump</u>	<u>0534</u>		<u>0494</u>		
<u>18" sump</u>	<u>0575</u>		<u>0995</u>		
<u>ejector</u>	<u>0050</u>		<u>0549</u>		

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: AMP

Date: 6/12/15

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)