ENVIRON

May 8, 2013

Mr. Scott Johnson
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Fitchburg, WI 53711-5397

Subject: Reedsburg Cleaners - 349 E. Main Street, Reedsburg, Wisconsin
BRRTS No. 02-57-001682; ENVIRON Project No. 21-28166B

Dear Mr. Johnson:

As a follow-up to the WDNR letter dated January 28, 2013, this letter has been prepared by ENVIRON International Corporation (ENVIRON) to document the results of the most recent groundwater and sub-slab vapor sampling event associated with the Reedsburg Cleaners site (Figure 1), which was conducted on March 26, 2013. With respect to the groundwater monitoring event, these are the third set of groundwater data since the June 2011 injection of whey electron donor and aquifer buffer material. Previous injections of whey and buffer at this site occurred in December 2009, July 2010, and November 2010. In addition, injection of microbial culture occurred in November 2010.

Sub-Slab Vapor Sampling Results

Pursuant to an ENVIRON correspondence dated January 25, 2013, a vapor intrusion investigation of the referenced site and adjacent site to the west was conducted on March 26, 2013. The vapor intrusion investigation consisted of the following tasks:

1. collection of one sub-slab vapor sample from beneath the subject property (349 East Main Street) building slab, using WDNR-recommended procedures;
2. collection of one sub-slab vapor sample from beneath the adjacent west former Helgeson's Veterinary Clinic (337 East Main Street) building slab, using WDNR-recommended procedures; and
3. laboratory analysis of the two sub-slab vapor samples for select volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method TO-15.

Each of the two sub-slab vapor samples were collected by drilling a small hole through the building floor slab, followed by inserting polyethylene tubing to the base of the concrete to facilitate sample collection. The holes were drilled using a hand-held power drill and were less than 1 inch in diameter.

Once the sampling tube was installed and the hole sealed, a vapor sample was collected using an evacuated sampling (1-liter Summa) canister. After sample collection, the concrete access hole was filled and patched with concrete. Each vapor sample was submitted to a Wisconsin certified laboratory (Pace Analytical Services, Inc. of Green Bay, Wisconsin) for analysis of select VOCs (tetrachloroethene [PCE], trichloroethene [TCE], cis-1,2- dichloroethene [cDCE] and vinyl chloride [VC]) using USEPA Method TO-15.

Laboratory results of the sub-slab vapor samples collected by ENVIRON on March 26, 2013, are provided in Attachment A. As indicated in Attachment A, the only detected chlorinated

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ethene in the sub-slab vapor sample from beneath the adjacent west former Helgeson's Veterinary Clinic (337 East Main Street) building was 54.3 micrograms per cubic meter ($\mu g/m^3$) of PCE. The applicable criteria for residential and non-residential sub-slab vapor are contained in the USEPA December 2012 Regional Screening Level (RSL) Summary Table. Based on a 10^{-5} excess lifetime cancer risk and using a default sub-slab vapor to indoor air attenuation factor of 0.1 (which applicable to residential or small commercial buildings), the residential vapor risk screening level (VRSL) for PCE is 420 $\mu g/m^3$, and the non-residential VRSL for PCE is 1,800 $\mu g/m^3$. As such, the detected 54.3 $\mu g/m^3$ PCE concentration in the sub-slab vapor sample from beneath the adjacent west former Helgeson's Veterinary Clinic (337 East Main Street) building is less than the applicable non-residential or residential VRSL for PCE.

With respect to the sub-slab vapor sample obtained from beneath the Reedsburg Cleaners building, the only detected chlorinated ethene was 5,150 $\mu g/m^3$ of PCE. Based on a 10^{-5} excess lifetime cancer risk and using a default sub-slab vapor to indoor air attenuation factor of 0.1 (applicable to residential or small commercial buildings), the non-residential VRSL for PCE is 1,800 $\mu g/m^3$. As such, the detected 5,150 $\mu g/m^3$ PCE concentration in the sub-slab vapor sample obtained from beneath the Reedsburg Cleaners building exceeds the non-residential VRSL for PCE. Based on an April 2013 telephone conversation with Ms. Terry Evanson of the WDNR, such a PCE concentration in a sub-slab vapor sample from beneath an active dry cleaning facility is not uncommon. Ms. Evanson further indicated that one of the following two courses of action would be appropriate to address the vapor intrusion pathway:

1. Although not necessary at the present time, implementation of a sub-slab vapor mitigation system[1] would allow for unrestricted use of the property building in the future; or
2. A re-evaluation of the vapor pathway would be required in the future, if the facility building would be used for purposes other than active dry cleaning.

Groundwater Monitoring Results

The monitoring wells sampled as part of the March 2013 groundwater monitoring event were as follows: MW-2, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-10 (Figure 1). The groundwater samples from these monitoring wells were submitted for laboratory analysis of VOCs. In addition, field instruments were used to measure geochemical parameters, including pH, specific conductivity, temperature, dissolved oxygen, and oxidation-reduction potential. In accordance with the WDNR April 2003 guidance document, "Understanding Chlorinated Hydrocarbon Behavior in Groundwater" (WDNR Publication RR-669), groundwater samples from monitoring wells MW-2, MW-3R, MW-4, MW-5, MW-6, MW-7, and MW-10 were also analyzed for the natural attenuation parameters ethene/ethane/methane and TOC. Monitoring well P-1 to the southwest of the subject site could not be sampled as part of the March 2013 groundwater monitoring event as it appears to have been partially paved over.

Review of the March 2013 groundwater monitoring results leads to the following observations:

1. As shown in Table 1, the previous injection of whey has maintained moderately anaerobic conditions at the sampled monitoring wells (MW-2, MW-3R, MW-4, MW-5, MW-6, MW-7, MW-8, and MW-10), as the March 2013 oxidation-reduction potential (ORP) values ranged between -44 millivolts (mV) and -114 mV. ORP values less than -75 mV within the treatment zone are desirable for anaerobic dechlorination to occur. Similarly, moderately anaerobic conditions are evidenced by the March 2013 dissolved

[1] Costs associated with implementation of a sub-slab vapor mitigation system would be reimbursable under the DERF program.

oxygen (DO) concentrations, which ranged between 0.26 milligrams per liter (mg/L) and 0.83 mg/L. DO values less than 1 mg/L within the treatment zone are desirable for anaerobic dechlorination to occur.

2. As shown in Table 1, pH values ranged between 5.77 (at well MW-3R) and 6.58 (at well MW-10). Values of pH that range between 6 and 8 are most conducive to dechlorinating bacteria, and low pH (<5) conditions are detrimental to such bacteria. However, previous (January 2012) alkalinity concentrations shown in Table 2 ranged between 450 mg/L and 960 mg/L. Alkalinities greater than 300 mg/L are generally sufficient to buffer against adverse pH changes (AFCEE, 2004).
3. As shown in Table 2 and Attachment A, March 2013 total organic carbon (TOC) concentrations at the sampled monitoring wells ranged between 14.2 mg/L and 1,060 mg/L. Guidance for the design of electron donor injection includes maintenance of minimum TOC concentrations in groundwater near the injection zone of approximately 20 mg/L (AFCEE, 2004). The TOC data confirm that the previous injections of whey have generally resulted in such residual TOC concentrations at the seven monitoring wells, which persist 21 months after the previous (June 2011) electron donor injection event.
4. The March 2013 groundwater samples revealed methane concentrations that ranged between 729 micrograms per liter (µg/L) and 10,400 µg/L at the sampled monitoring wells. Methane concentrations greater than 1,000 µg/L within the treatment zone are desirable, but not required, for anaerobic dechlorination to occur (AFCEE, 2004). After depletion of dissolved oxygen, anaerobic microbes will use nitrate as a terminal electron acceptor, followed by manganese (IV), iron (III), sulfate, and finally carbon dioxide (methanogenesis). Based on this sequence of electron acceptor depletion, generation of ethane, ethene, and methane often occurs several months after electron donor injection.
5. As shown in Table 3, PCE concentrations at monitoring well MW-3R have been trending downward since October 2010, and PCE was not detected for the first time at MW-3R in March 2013. Conversely, concentrations of degradation product cDCE began increasing in April 2010 and peaked at 10,000 µg/L in October 2010. The cDCE concentrations have recently decreased, and VC and terminal product ethene concentrations were detected for the first time in April 2011 (5 months after the November 2010 injection of microbial culture). Similar trends are apparent at monitoring wells MW-4, MW-5, MW-6, and MW-7. At MW-7, PCE has not been detected above 1 µg/L since April 2010; previous PCE concentrations at MW-7 had ranged as high as 5,400 µg/L.
6. Despite the relatively great distance to downgradient monitoring wells MW-8 and MW-10 located on the south side of Main Street (Figure 1), substantial dechlorination has occurred at those locations as well. PCE has not been detected at MW-10 since April 2011.
7. As indicated in Table 2, all of the sampled monitoring wells contained terminal degradation product ethene at or near its highest-to-date concentrations. This observation provides further evidence of ongoing anaerobic dechlorination of chlorinated VOCs.

Plots of molar concentrations of parent compounds and dechlorination products are useful in evaluating the effectiveness of enhanced anaerobic dechlorination (EAD).

As an example, a plot of molar concentrations for monitoring well MW-3R within the former PCE source area is provided as Figure B-1 in Attachment B. As shown on Figure B-1, the concentration

of PCE has decreased between November 2008 and March 2013, from 72,400 nanomoles per liter (nM/L) in May 2009 to non-detect in March 2013. Concentrations of degradation products TCE, cDCE and VC have fluctuated since that date, as parent compound PCE has continued to reductively dechlorinate. Terminal degradation product ethene was detected for the first time in April 2011 (292 nM/L), and has increased to 2,370 nM/L in March 2013.

A plot of molar fractions over time for monitoring well MW-3R is provided as Figure B-2 (Attachment B). As shown on Figure B-2, the PCE molar fraction has decreased from 92 percent prior to the December 2009 electron donor injection, to no greater than 9.3 percent October 2010. The TCE molar fraction has increased from 8 percent just prior to electron donor injection, to a maximum of 13.8 percent in April 2010 followed by a decline to no greater than 2.5 percent since January 2012. The cDCE molar fraction increased from 0 percent just prior to electron donor injection to a maximum of 98 percent in October 2010, followed by a decrease to 64 to 77 percent since January 2012. The VC molar fraction increased from 0 percent through October 2010, to a range of 10 to 15 percent since July 2012. Terminal degradation product ethene was detected for the first time in April 2011, and has ranged between 9 and 22 percent since January 2012.

A plot of molar concentrations for downgradient monitoring well MW-5 is provided as Figure B-3 in Attachment B. As shown on Figure B-3, the concentration of PCE has decreased between May 2009 and March 2013, from 4,520 nM/L in May 2009 to 210 nM/L in March 2013. Concentrations of degradation products TCE, cDCE, and VC have fluctuated since that date, as parent compound PCE has continued to reductively dechlorinate. Terminal degradation product ethene was detected for the first time in April 2011 (5.2 nM/L), and has continually increased to 5,350 nM/L in March 2013.

A plot of molar fractions over time for monitoring well MW-5 is provided as Figure B-4 (Attachment B). As shown on Figure B-4, the PCE molar fraction has decreased from 66 percent prior to the December 2009 electron donor injection, to no greater than 0.6 percent since April 2011. The TCE molar fraction has decreased from 31 percent prior to electron donor injection, to no greater than 5.1 percent since October 2010. The cDCE molar fraction increased from 3 percent prior to electron donor injection to a maximum of 99 percent in April 2011, followed by a decrease to 50 to 67 percent since January 2012. The VC molar fraction increased from 0 percent through April 2011, to a narrow range of 16 to 19 percent since January 2012. Terminal degradation product ethene was detected for the first time in April 2011 as indicated above, and has ranged between 14 and 33 percent since January 2012.

Bioremediation of chlorinated VOCs within a poorly-buffered bedrock aquifer media (as is the case at the Reedsburg Cleaners site) is inherently challenging. However, within a 3-year timeframe after the initial whey electron donor event, the areal extents of the PCE iso-concentration contours shown of Figure 1 (that were based on May 2009 data) have substantially receded. The 1,000 µg/L PCE iso-concentration contour is no longer present, and the 100 µg/L PCE iso-concentration contour is now limited to only the immediate vicinity of monitoring well MW-2 in the extreme southeast portion of the site.

Conclusions and Recommendations

The only detected chlorinated ethene in the sub-slab vapor sample obtained from beneath the adjacent west former Helgeson's Veterinary Clinic (337 East Main Street) building was 54.3 µg/m^3 of PCE. The residential VRSL for PCE is 420 µg/m^3, and the non-residential VRSL for PCE is 1,800 µg/m^3. As such, the detected PCE concentration in the sub-slab vapor sample from beneath the adjacent west former Helgeson's Veterinary Clinic building is less than the applicable

non-residential or residential VRSL for PCE. With respect to the sub-slab vapor sample obtained from beneath the Reedsburg Cleaners building, the only detected chlorinated ethene was 5,150 µg/m^3 of PCE. The non-residential VRSL for PCE is 1,800 µg/m^3. As such, the detected PCE concentration in the sub-slab vapor sample obtained from beneath the Reedsburg Cleaners building exceeds the non-residential VRSL for PCE. A re-evaluation of the vapor pathway would be required in the future, if the facility building would be used for purposes other than active dry cleaning. Alternatively, implementation of a sub-slab vapor mitigation system would allow for unrestricted use of the property building in the future.

The TOC and geochemical data indicate that the aquifer remains supplied with sufficient electron donor such that reductive dechlorination is anticipated to continue at the Reedsburg Cleaners site. Based on: 1) the previous (November 2006) vadose zone source removal action (excavation/landfill disposal of 460 tons of PCE-impacted soil), 2) the relatively limited area of PCE-impacted groundwater that has been defined to be in the vicinity of monitoring well MW-2 in the extreme southeast portion of the site, and 3) continued reductive dechlorination of residual PCE degradation products in site groundwater, ENVIRON concludes that regulatory case closure with the inclusion of soil and groundwater GIS registries is appropriate for the Reedsburg Cleaners property.

If you have any questions, please do not hesitate to contact us. Thank you very much for your assistance with this matter.

Sincerely,

ENVIRON International Corporation

Mark M. Mejac, PG
Senior Manager

Jeanne M. Tarvin, PG, CPG
Principal

Enclosures: Tables 1, 2, and 3
Figure 1
Attachments A and B

References Cited

Air Force Center for Environmental Excellence (AFCEE). 2004. "Principles and Practices of Enhanced Anaerobic Bioremediation of Chlorinated Solvents." Environmental Security Technology Certification Program, Arlington, Virginia.

Table 1
Results of Groundwater Field Parameter Analyses
Reedsburg Cleaners
ENVIRON Project No. 21-28166B

	Sample Date	Top of PVC Elevation	Depth to Groundwater (feet)	Groundwater Elevation (feet msl)	Dissolved Oxygen (mg/L)	ORP (Milivolts)	pH (mg/L)	Specific Conductivity (umhos/cm)	Temperature (°C)
MW-1	Top of Well Screen in Feet MSL: 732.5				Length of Well Screen: 10 ft.				
	11/18/2005	898.53	18.88	879.65	NA	NA	NA	NA	NA
	1/5/2006	898.53	18.85	879.68	2.24	-76	6.48	3,850	10.0
MW-2	Top of Well Screen in Feet MSL: 729.5				Length of Well Screen: 10 ft.				
	11/18/2005	898.97	19.26	879.71	NA	NA	NA	NA	NA
	1/5/2006	898.97	19.35	879.62	2.81	-132	6.38	2,270	9.3
	11/6/2006	898.97	18.69	880.28	2.00	-57	6.8	5,150	14.5
	5/4/2007	898.97	17.60	881.37	2.03	-193	6.05	NA	11.6
	11/8/2007	898.97	17.57	881.40	2.47	-134	6.66	NA	12.7
	5/2/2008	898.97	15.42	883.55	6.38	180	6.84	NA	10.2
	11/25/2008	898.97	16.94	882.03	NA	-8	7.4	343	12.8
	5/21/2009	898.97	16.77	882.20	2.98	-45	6.71	5,052	12.9
	4/29/2010	898.97	17.86	881.11	0.74	-121	6.38	1,502	10.7
	8/9/2010	898.97	16.76	882.21	0.14	-86	6.13	NA	NA
	10/11/2010	898.97	17.32	881.65	4.60	19	6.18	5,323	11.0
	4/12/2011	898.97	17.07	881.90	4.16	-279	5.77	3,590	10.4
	1/19/2012	898.97	18.24	880.73	0.88	-107	5.77	2,790	11.9
	7/18/2012	898.97	17.95	881.02	0.31	-114	6.19	4,766	19.9
	3/26/2013	898.97	18.23	880.74	0.60	-74	6.25	1,882	10.2
MW-3	Top of Well Screen in Feet MSL:731.0				Length of Well Screen: 10 ft.				
	11/18/2005	898.89	19.32	879.57	NA	NA	NA	NA	NA
	1/5/2006	898.89	19.28	879.61	2.68	-52	6.29	3,990	9.6
	11/6/2006	898.89	18.61	880.28	2.00	43	6.8	5,890	13.8
	5/4/2007	898.89	NA	NA	NA	NA	NA	NA	NA
MW-3R	Top of Well Screen in Feet MSL:				Length of Well Screen: 10 ft.				
	11/25/2008	NA	16.74	NA	NA	230	7.33	8.66	14.1
	5/21/2009	NA	16.50	NA	8.85	66	6.97	9773	13.0
	4/29/2010	NA	17.26	NA	1.23	-115	6.09	2,074	11.2
	8/9/2010	NA	16.25	NA	0.13	-141	5.64	NA	NA
	10/11/2010	NA	16.80	NA	4.60	-25	5.96	6,871	11.4
	4/12/2011	NA	16.69	NA	2.89	-313	6.15	4,860	11.3
	1/19/2012	NA	17.92	NA	0.54	-95	4.25	3,991	11.9
	7/18/2012	NA	17.40	NA	0.16	-195	6.04	5,295	22.8
	3/26/2013	NA	17.92	NA	0.32	-73	5.77	4,152	10.8

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MW-4	Top of Well Screen in Feet MSL: 730.3		Length of Well Screen: 10 ft.						
	11/18/2005	898.06	18.60	879.46	NA	NA	NA	NA	NA
	1/5/2006	898.06	18.58	879.48	2.00	-96	6.43	3,180	10.4
	11/6/2006	898.06	17.89	880.17	3.00	-59	6.9	8,230	14.2
	5/4/2007	898.06	16.57	881.49	7.18	-51	6.83	NA	12.0
	11/8/2007	898.06	16.72	881.34	2.67	-36	6.59	NA	13.5
	5/2/2008	898.06	14.36	883.70	7.89	171	7.37	NA	10.5
	11/25/2008	898.06	16.37	881.69	NA	-253	7.26	2.02	12.8
	5/21/2009	898.06	16.00	882.06	5.42	1	7.32	2200	13.1
	4/29/2010	898.06	17.00	881.06	0.49	-196	6.44	2,491	11.4
	8/9/2010	898.06	14.54	883.52	0.20	-138	6.41	NA	NA
	10/11/2010	898.06	16.59	881.47	4.59	-6	6.45	2,195	11.5
	4/12/2011	898.06	15.60	882.46	3.05	-315	6.47	1,840	11.1
	1/19/2012	898.06	17.30	880.76	0.64	-113	5.90	1,971	11.8
	7/18/2012	898.06	17.34	880.72	0.30	-155	6.19	4,766	19.9
	3/26/2013	898.06	17.25	880.81	0.26	-78	5.96	3,304	11.5
MW-5	Top of Well Screen in Feet MSL: 731.0		Length of Well Screen: 10 ft.						
	11/18/2005	896.46	NA	NA	NA	NA	NA	NA	
	1/5/2006	896.46	17.16	879.30	4.30	57	6.61	2,590	8.6
	11/6/2006	896.46	16.53	879.93	1.00	-97	6.7	7,610	14.0
	5/4/2007	896.46	15.29	881.17	2.22	-112	6.32	NA	11.7
	11/8/2007	896.46	15.52	881.04	2.23	-34	6.44	NA	11.9
	5/2/2008	896.46	14.38	882.02	6.80	199	6.36	NA	10.8
	11/25/2008	896.46	15.19	881.27	NA	-41	7.31	2.88	13.0
	5/21/2009	896.46	14.76	881.70	0.72	-88	6.58	1801	13.2
	4/29/2010	896.46	15.94	880.52	0.56	-155	6.35	1,610	11.0
	8/9/2010	896.46	14.60	881.86	0.11	-155	5.49	NA	NA
	10/11/2010	896.46	15.50	880.96	4.62	-11	5.78	1,475	11.2
	4/12/2011	896.46	14.87	881.59	3.39	-308	6.02	2,023	10.2
	1/19/2012	896.46	16.10	880.36	0.83	-106	5.92	831	11.4
	7/18/2012	896.46	16.40	880.06	0.22	-116.1	6.24	4,275	17.2
	3/26/2013	896.46	16.00	880.00	0.43	-44	5.96	1,203	10.0

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MW-6	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	894.66	15.70	878.96	NA	NA	NA	NA	NA
	1/5/2006	894.66	15.80	878.86	4.70	-65	6.17	746	7.3
	11/6/2006	894.66	15.03	879.63	1.00	-43	6.5	3,650	14.0
	5/4/2007	894.66	13.75	880.91	2.59	-120	6.07	NA	12.3
	11/8/2007	894.66	14.01	880.65	2.46	-121	6.20	NA	12.3
	5/2/2008	894.66	12.03	882.63	3.40	185	7.14	NA	11.2
	11/25/2008	894.66	13.70	880.96	NA	NA	7.00	2.42	10.6
	5/21/2009	894.66	13.29	881.37	3.30	-106	6.69	948	13.2
	4/29/2010	894.66	14.55	880.11	2.22	-27	6.58	945	10.4
	8/9/2010	894.66	13.70	880.96	0.11	-143	6.59	NA	NA
	10/11/2010	894.66	14.18	880.48	4.27	28	6.36	562	10.7
	4/12/2011	894.66	13.54	881.12	NA	-308	6.82	867	10.2
	7/18/2012	894.66	15.05	879.61	0.17	-134	5.98	1,034	19.6
	3/26/2013	894.66	14.62	880.04	0.76	-107	6.11	1,163	9.7
MW-7	Top of Well Screen in Feet MSL: 731.1		Length of Well Screen: 10 ft.						
	11/18/2005	896.65	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	896.65	17.29	879.36	4.27	-94	6.64	1,851	9.3
	11/6/2006	896.65	16.66	879.99	2.00	-93	7.0	5,890	13.8
	5/4/2007	896.65	15.49	881.16	4.15	-153	6.61	NA	12.2
	11/8/2007	896.65	15.66	880.99	3.42	-2	6.59	NA	12.8
	5/2/2008	896.65	13.64	883.01	7.53	179	6.94	NA	10.7
	11/25/2008	896.65	15.35	881.30	NA	-4	7.21	1.82	13.6
	5/21/2009	896.65	14.93	881.72	1.94	-104	6.65	2286	13.0
	4/29/2010	896.65	16.15	880.50	0.37	-259	5.25	3,589	11.2
	8/9/2010	896.65	15.07	881.58	0.22	-150	4.66	NA	NA
	10/11/2010	896.65	15.62	881.03	4.38	-66	6.26	2,251	11.5
	4/12/2011	896.65	15.00	881.65	4.49	-257	4.70	3,869	11.2
	1/19/2012	896.65	16.22	880.43	0.69	-111	6.28	1,003	11.3
	7/18/2012	896.65	15.90	880.75	0.25	-128	6.30	1,256	18.6
	3/26/2013	896.65	16.15	880.50	0.40	-54	6.23	2,223	10.4

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MW-8	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	896.58	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	896.58	17.43	879.15	2.35	-183	6.27	4,830	8.9
	11/6/2006	896.58	17.81	878.77	2.00	-63	6.7	16,970	14.4
	5/4/2007	896.58	15.62	880.96	1.72	-218	6.51	NA	13.0
	11/8/2007	896.58	15.94	880.64	1.46	-239	6.60	NA	12.5
	5/2/2008	896.58	14.12	882.46	1.44	-138	7.37	NA	10.0
	11/25/2008	896.58	15.57	881.01	NA	-133	7.06	1.64	11.8
	5/21/2009	896.58	15.14	881.44	0.20	-174	6.67	2543	13.1
	4/29/2010	896.58	16.53	880.05	0.40	-258	6.74	3,287	10.5
	10/11/2010	896.58	16.09	880.49	4.8	-73	6.70	4,763	10.9
	4/12/2011	896.58	15.35	881.23	1.78	-310	6.22	2,216	10.2
	1/19/2012	896.58	16.50	880.08	1.62	-101	6.44	3,700	10.6
	7/18/2012	896.58	16.25	880.33	0.41	-177	6.04	5,451	17.2
	3/26/2013	896.58	16.40	880.18	0.83	-114	6.18	3,229	8.5
MW-10	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	893.56	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	893.56	14.92	878.64	2.68	9	6.47	3,200	8.9
	11/6/2006	893.56	14.38	879.18	4.00	195	6.7	10,180	15.3
	5/4/2007	893.56	13.37	880.19	3.75	21	6.63	NA	12.5
	11/8/2007	893.56	13.73	879.83	4.01	122	6.37	NA	12.0
	5/2/2008	893.56	12.17	881.39	4.41	187	7.36	NA	10.2
	11/25/2008	893.56	13.35	880.21	NA	NA	7.02	1.57	11.0
	5/21/2009	893.56	13.18	880.38	5.32	92	6.88	2,372	12.6
	4/29/2010	893.56	14.57	878.99	5.16	-104	6.84	1,564	9.9
	10/11/2010	893.56	14.15	879.41	6.30	-64	6.68	3,746	10.5
	4/12/2011	893.56	13.57	879.99	1.93	-306	6.21	3,189	10.2
	1/19/2012	893.56	14.51	879.05	1.18	-92	6.73	2,644	9.0
	7/18/2012	893.56	14.40	879.16	0.28	-141.3	6.60	4,275	17.2
	3/26/2013	893.56	14.35	879.21	0.43	-75	6.58	3,610	9.0

Table 1
Results of Groundwater Field Parameter Analyses
Reedsburg Cleaners
ENVIRON Project No. 21-28166B

	Sample Date	Top of PVC Elevation	Depth to Groundwater (feet)	Groundwater Elevation (feet msl)	Dissolved Oxygen (mg/L)	ORP (Milivolts)	pH (mg/L)	Specific Conductivity (umhos/cm)	Temperature (°C)
P-1	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	894.50	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	894.50	15.40	879.10	4.23	45	6.17	1,061	9.3
	11/6/2006	894.50	15.10	879.40	3.00	27	6.6	3,110	13.9
	5/4/2007	894.50	13.90	880.60	4.42	-18	6.28	NA	13.0
	11/8/2007	894.50	14.13	880.37	4.41	21	6.39	NA	11.0
	5/2/2008	894.50	12.08	882.42	4.71	176	7.12	NA	11.9
	11/25/2008	894.50	13.22	881.28	NA	NA	7.25	0.95	10.5
	5/21/2009	894.50	13.07	881.43	4.43	160	6.88	1046	14.3
	4/29/2010	894.50	14.93	879.57	4.35	63	6.48	783	11.6
	10/11/2010	894.50	13.75	880.75	8.07	60	6.62	848	11.6
	4/12/2011	894.50	13.60	880.90	NA	-275	6.64	1,149	12.3
P-2	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	890.80	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	890.80	12.01	878.79	2.25	66	5.56	66	10.9
	11/8/2007	890.80	11.01	879.79	2.02	101	6.14	NA	10.5
	4/29/2010	890.80	10.67	880.13	0.77	-79	5.34	378	10.7
	10/11/2010	890.80	10.99	879.81	6.74	126	5.49	422	11.1
P-8	Top of Well Screen in Feet MSL: 731.6		Length of Well Screen: 5 ft.						
	11/18/2005	896.67	NA	NA	NA	NA	NA	NA	NA
	1/5/2006	896.67	17.65	879.02	4.75	129	6.29	1,161	10.5

Notes:

-- = Not Measurable NA = Not Analyzed

Table 2
Laboratory Results of Groundwater Samples for Natural Attenuation Parameters
Reedsburg Cleaners, Reedsburg, Wisconsin
ENVIRON Project No. 21-28166B

Sample	Date	Nitrate + Nitrite Nitrogen (mg/L as N)	Sulfate (mg/L)	Dissolved Iron (mg/L)	TOC (mg/L)	Ethane (µg/L)	Ethene (µg/L)	Methane (µg/L)	Alkalinity (mg/L)
Monitoring Wells									
MW2	4/12/2011	0.047 J	19	26	150	9.39	1.75	557	NA
	1/19/2012	0.024J	4.8J	23B	150	<49	<52	1,300B	450
	7/18/2012	NA	NA	NA	24	<0.36	4.9 J	528	NA
	3/26/2013	NA	NA	NA	39.1	13.4	4.4J	729	NA
MR3R	4/29/2010	0.17 J	24	14	145	<25	<25	<25	NA
	10/11/2010	0.10 J	<3.0	180	1,830	<14	<11	3,200	2,200
	4/12/2011	<0.043	98	43	1,200	0.352 J	8.18	1,380	NA
	1/19/2012	<0.024	37	110B	4,300	<49	<52	970B	870
	7/18/2012	NA	NA	NA	58	<0.36	46.1	1,270	NA
	3/26/2013	NA	NA	NA	1,060	<0.36	66.5	4,430	NA
MW4	4/29/2010	0.23 J	17	17	30.7	1.9	<0.33	1.8	NA
	10/11/2010	0.60	2.1 J	21	191	<14	<11	369	460
	4/12/2011	0.57	110	9.8	10	<0.0615	1.08	2,430	NA
	1/19/2012	<0.024	2.5J	76B	250	<49	<52	3,900B	880
	7/18/2012	NA	NA	NA	46	<0.36	136	6,400	NA
	3/26/2013	NA	NA	NA	266	<0.36	96.9	9,460	NA
MW5	4/29/2010	0.20 J	4.5 J	23	27.7	<25	<25	34	NA
	10/11/2010	0.19 J	8.4	21	62.8	<14	<11	180	290
	4/12/2011	<0.043	16	34	69	1.04	0.147 J	4,150	NA
	1/19/2012	<0.024	15	43B	30	<49	100J	5,000B	550
	7/18/2012	NA	NA	NA	71	<0.36	136	8,330	NA
	3/26/2013	NA	NA	NA	17.2	<0.36	150	10,200	NA
MW6	4/29/2010	0.78	15	11	7.73	<25	<25	<25	NA
	10/11/2010	0.41	11	0.12 J	6.98	<14	<11	68.2	120
	4/12/2011	0.47	15	0.9	6.40	0.211 J	<0.0569	12.2	NA
	7/18/2012	NA	NA	NA	25.50	<0.36	46.7	8,510	NA
	3/26/2013	NA	NA	NA	14.20	<0.36	76.9	6,310	NA
MW7	4/29/2010	0.14 J	22	39	2130	0.55	<0.33	1.1	NA
	10/11/2010	3.1	24	57	137	<14	<11	5,340	470
	4/12/2011	<0.043	28	180	4,400	<0.0615	1.38	8,270	NA
	1/19/2012	<0.024	5.2	43B	39	<49	<52	8,200B	550
	7/18/2012	NA	NA	NA	33	<0.36	116	9,970	NA
	3/26/2013	NA	NA	NA	15.9	<0.36	167	10,400	NA
MW10	4/29/2010	3.3	36	17	12.9	<0.35	<0.33	0.20	NA
	10/11/2010	1.4	16	33	118	<14	<11	320	660
	4/12/2011	0.31	23	180	980	<0.0615	<0.0569	8,350	NA
	1/19/2012	<0.024	32	79B	19	<0.49	5.3	3,300B	960
	7/18/2012	NA	NA	NA	22	<0.36	39.3	5,820	NA
	3/26/2013	NA	NA	NA	22.1	<0.36	47.5	6,260	NA

Abbreviations:
mg/L = milligrams per liter
µg/L = micrograms per liter
TOC = Total Organic Carbon
NA = Not Analyzed
J = Estimated value between Method Detection Limit and Limit of Quantification
B = Compound was found in the blank and sample.

Table 3
Detected Volatile Organic Compound Concentrations in Groundwater Samples
Reedsburg Cleaners - Reedsburg, Wisconsin
ENVIRON Project No. 21-28166B

Well Location	Sample Date	Benzene (ug/L)	Chloro-form (ug/L)	n-Butyl benzene	1,2-Dibromo ethane (EDB)	Dichlorodi fluoromet hane	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)	Ethyl-benzene (ug/L)	Isopropyl-benzene (ug/L)	Naphth-alene	n-Propyl-benzene (ug/L)	Tetra-chloro-ethene (ug/L)	Toluene (ug/L)	Trichloro-ethene	1,2,4-Trimethylb enzene (ug/L)	1,3,5-Trimethylb enzene (ug/L)	Total Xylenes (ug/L)	Vinyl Chloride (ug/L)
MW-1	1/5/06	**840**							**1,400**	62 J	**200**	130 J	**3,100**	**7,200**	**140**	**1,100**	*270*	*5,400*	
MW-2	1/5/06	**15,000**			**300**		**73 J**		**1,800**	62 J	**180**	130 J	**340**	**21,000**	31 J	**990**	*290*	*6,800*	
	11/6/06	**13,000**			**200**				**2,400**		260J		**300**	**27,000**		**1,000**	*220*	**10,000**	<100
	5/4/07	**15,000**			**280**				**2,200**				**300**	**1,000**		**1,000**	*220*	*9,100*	
	11/8/07	**1,600**		32 J	16 J				**970**	65	**110**	150	**500**	**4,200**	**19**	**1,000**	*290*	*3,800*	
	5/2/08	*3.5 J*							*240*	17	*36*	37	**300**	*330*	*4.2 J*	*330*	86	*1,100*	
	11/25/08	**1,300**		13	**23**		6.0 J		*230*	12	*26*	39	**240**	**3,000**	**17 J**	*220*	65	970	
	5/21/09	**2,700**			57 J				*420*		*37*		**210**	**5,900**		*180*	40	*1,900*	
	4/29/10	**3,600**		25	**72**		*42*		**1500**	44	**200**	100	**890**	**8,200**	**76**	**780**	*190*	*5,500*	
	10/11/10	**4,500**			**41 J**		**73 J**		*560*		**54 J**		**830**	**10,000**	**230**	*220*	55 J	*2,500*	
	4/12/11	**5,800**			**83 J**		**310**		**1,700**	54 J	**170 J**	120 J	**1,100**	**17,000**	**340**	**880**	210 J	*7,500*	
	1/19/12	**5,900**			**45 J**		**500**		**1,500**	52 J	**87 J**	110 J	**1,200**	**14,000**	**430**	**660**	190 J	*5,600*	
	7/18/12	**2,870**			**38.8**		**935**		*514*	20.0 J	**65.3 J**	43.7	**278**	**5,050**	**107**	*338*	89	*2,196*	
	3/26/13	**7,280**					**528**		**2,170**				**799**	**27,800**		**1,280**	*370*	*9,770*	
MW-3	1/5/06	**1,500**							**900**	33J	**110**	61J	**3,300**	**7,300**	**110**	**620**	*160*	*3,800*	
	11/7/06	**1,800**							*470*		**51**		**4,000**	**4,000**	**300**	*270*	59	*2,000*	
MW-3R	11/25/08						*62J*						**12,000**		**470**				
	5/21/09												**3,200**		**220**				
	4/29/10	**160**		14J			**100**		**1500**	50J	**130J**	120	**5,900**	**5,900**	**760**	**880**	*210*	*6,100*	
	10/11/10	**28J**					**10,000**		*190 J*		**45 J**		**220**	*710*	**86 J**	*124*	73 J	*1,100*	
	4/12/11	**14J**					**3,000**		38 J				**130**	170	**95**	36 J	12 J	190	**66 J**
	1/19/12	**120**	**37J**				**2,100**		*530*	13J	**54J**	27J	**430**	**2,700**	**470**	*260*	58J	*2,100*	**8.3J**
	7/18/12	**212**					**464**		*224*	6.4 J	*13.0 J*	13.9	**19**	**1,350**	**25**	*97.8*	25.3	953	**46.6**
	3/26/13	**157**					**1,890**		**815**	23.3	**145**	53.8	<11.2	**3,100**	**14.0J**	**591**	*152*	*3,850*	**248**
MW-4	1/5/06	**690**							**800**	34J	**79J**	70J	**4,200**	**4,700**	**130**	**550**	*140*	*3,200*	
	11/6/06	**410**							*260*		*28*		**2,200**	**2,100**	**54**	*130*	36	*1,100*	
	5/4/07												**230**		*2.2*				
	11/8/07	**23**					**120**		37	1.5J	4.5	2.8J	**3,500**	100	**200**	22	5.7	130	
	5/2/08												**3,400**		**22J**				
	11/25/08	**120**		20J			*52J*		*510*	23J	**62**	54J	**1,300**	**1,900**	**170**	*400*	*130*	*1800*	
	5/21/09	**12J**							59				**690**	*250*	**7**	34	9.9	210	
	4/29/10	**68J**		14J			*51*		**700**	30	**90**	74	**4,000**	**2200**	**850**	**530**	*140*	*2,700*	
	10/11/10	**50**					**1,700**		*310*	13 J	*38 J*	30 J	**490**	**1,300**	**91**	*240*	60	*1,300*	
	4/12/11						**190**						**320**		**76**				**1.9 J**
	1/19/12	**34**					**150**		*160*	5.5J	*21J*	12J		*570*	**8.4J**	*120*	28	690	**39**
	7/18/12	**7.5**					**690**		45.7		5.2 J	5.4	*3.1 J*	149	*4.7 J*	36.1	10.1	195	**189**
	3/26/13	**79.8**					*46.8*		*579*	21.7J	**63.6J**	52.0		**2,010**		**490**	*144*	*2,465*	**19.7J**

Table 3
Detected Volatile Organic Compound Concentrations in Groundwater Samples
Reedsburg Cleaners - Reedsburg, Wisconsin
ENVIRON Project No. 21-28166B

Well Location	Sample Date	Benzene (ug/L)	Chloro-form (ug/L)	n-Butyl benzene	1,2-Dibromo ethane (EDB)	Dichlorodi fluoromet hane	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)	Ethyl-benzene (ug/L)	Isopropyl-benzene (ug/L)	Naphth-alene	n-Propyl-benzene (ug/L)	Tetra-chloro-ethene (ug/L)	Toluene (ug/L)	Trichloro-ethene	1,2,4-Trimethylb enzene (ug/L)	1,3,5-Trimethylb enzene (ug/L)	Total Xylenes (ug/L)	Vinyl Chloride (ug/L)
MW-5	1/5/06	**20**	0.46J				*38*	1.6J	50	3.2	*9.6*	6.2	**300**	40	**560**	50	12	110	
	11/6/06	**270**					*67*		*540*	24	**77**	55	**52**	*830*	**1,100**	*410*	*96*	760	
	5/4/07						*38*						**1,300**		**2,600**				
	11/8/07						**280**						**1,200**		**1,400**				
	5/2/08												**150**		*2.3J*				
	11/25/08	**40**		4			**180**	5.7	86	4	*11*	9.6	**880**	35	**890**	49	23	58	
	5/21/09						*24 J*		23 J		5.2 J		**750**	11 J	**280**	46	16	31 J	
	4/29/10	*3.4*					**150**		30		*9.5J*		**670**	15J	**180**	38	11J	46	
	10/11/10	*4.2 J*					**2,900**	8.2 J	16 J		4.1 J		**440**	13 J	**120**	19 J	10 J	36	
	4/12/11						**3,600**								**60 J**	21 J		41 J	
	1/19/12	*2.6*	*0.61J*	1.9J			**1,600**	8.5	19	1.6J	4.0J	3.3	**22**	44	**75**	35	22	72	**250**
	7/18/12	**6.5**					**711**	9.3	28.7			4.4 J		166		40	18.5	145.6	**154**
	3/26/13						**2,180**		22.3J				**34.7**	105	**245**			28.5	**429**
MW-6	1/5/06	**29**	*2.0*			0.61J	2.2		44	2.0	6.5	3.7	**500**	69	**11**	34	9.0	120	
	11/6/06	**240**					**160**		*400*	18.0	**65**	41	**16**	*590*	**48**	*270*	70.0	810	
	5/4/07	**8.6**							12				**1,200**	2.1	**21**	7	2.1	13	
	11/8/07	*1.8J*					*8.9J*		4.4J				**440**		**51**	1.7J		4.8J	
	5/2/08												**700**		**8.2J**				
	11/25/08	**55**		7.2			*68*		*150*	10	*28*	27	**2,400**		**360**	48	51	92	
	5/21/09												**1,800**		**24 J**				
	4/29/10												**1,900**		**28J**				
	10/11/10						*30 J*						**4,300**		**440**				
	4/12/11						*32 J*						**2,100**		**69**				
	7/18/12	*0.76 J*					*55.9*	1.5	5.3		1.0 J			6.8		4.6	2.2	10.2	
	3/26/13	*2.6J*					**409**		18.6				**27.9**	36.1	**104**	16.0	4.2J	29.6	**87.8**
MW-7	1/5/06	**35**							64	3.2	*11*	6.4J	**490**	140	*4.5*	52	11	250	
	11/6/06	**87**					5.3		83	3.3	*9.7*	7	**2,200**	190	**28**	53	12	170	
	5/4/07	**66**							85				**2,200**	120	**40**	56	18	190	
	11/8/07	8.07J					*35*						**2,000**	7.6J	**280**	6.2J		12J	
	5/2/08												**900**						
	11/25/08	**160**		4.8J			*34*		*140*	6.1J	*17*	15J	**5,100**	120	**530**	75	22	230	
	5/21/09						**73 J**		98 J				**5,400**	160 J	**980**	81		280	
	4/29/10	**100**					**83**		*160*		*26J*	20J	**1,700**	*440*	**1900**	*150*	40J	460	
	10/11/10	24 J					**2,100**		130	5.0 J	*17 J*			*500*	**23 J**	89	22 J	500	
	4/12/11	17 J					**2,500**		67 J					*280*	**11 J**	44 J	16 J	260	
	1/19/12	**31**		2.4J			**220**	2.8J	100	4.3J	*8.0J*	10		*340*		94	30	420	**42**
	7/18/12	**5.4**					*45*	1.2	31.4	2.1	1.1 J	4.7	*1*	59.3		27.8	9.8	132.2	**32.3**
	3/26/13	**27.9**					*45.8*	3.5	135	5.8	*16.3*	12.9		*557*	*3.1*	*106*	26.0	548	**20.7**

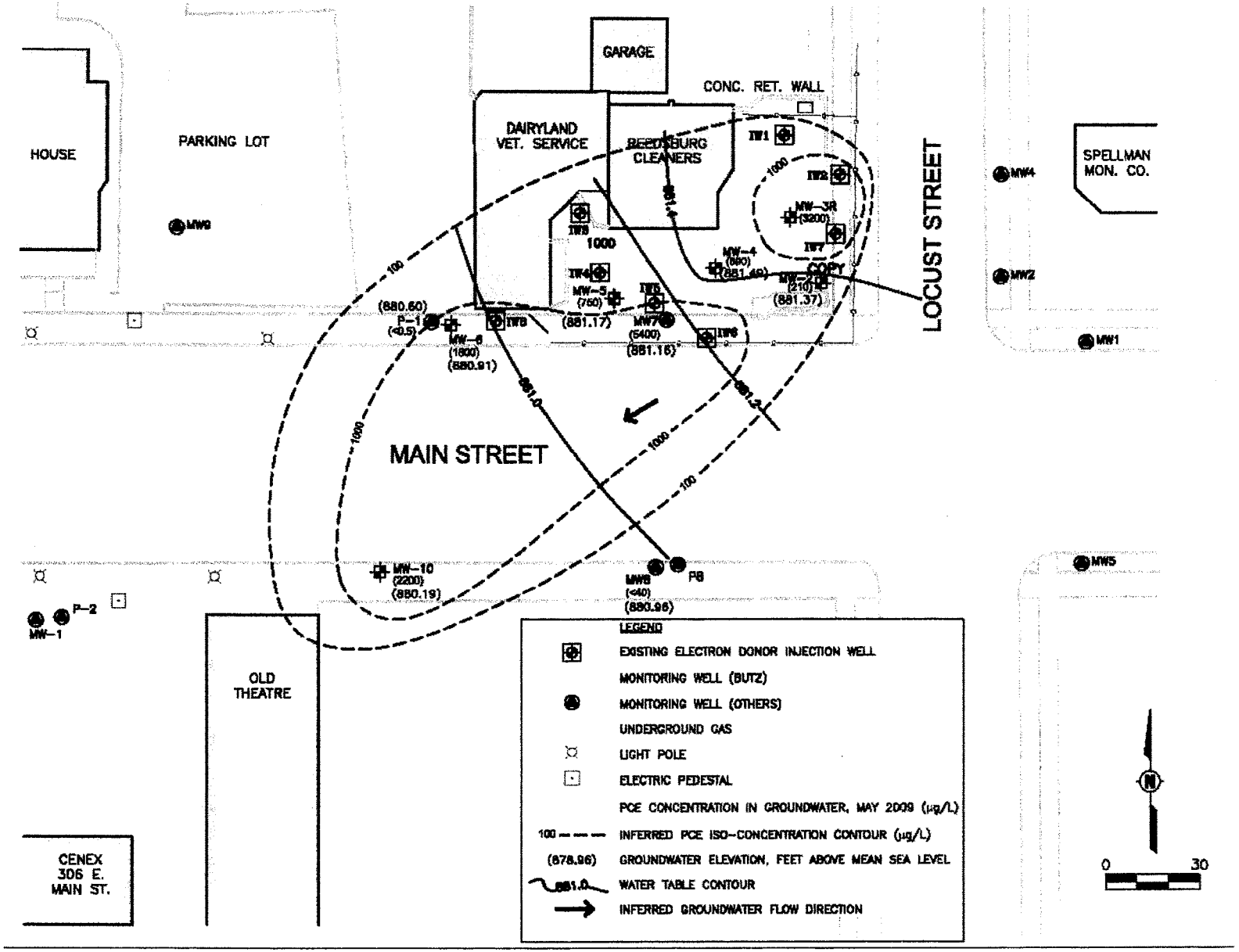
Table 3
Detected Volatile Organic Compound Concentrations in Groundwater Samples
Reedsburg Cleaners - Reedsburg, Wisconsin
ENVIRON Project No. 21-28166B

Well Location	Sample Date	Benzene (ug/L)	Chloro-form (ug/L)	n-Butyl benzene	1,2-Dibromo ethane (EDB)	Dichlorodi fluoromet hane	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)	Ethyl-benzene (ug/L)	Isopropyl-benzene (ug/L)	Naphth-alene	n-Propyl-benzene (ug/L)	Tetra-chloro-ethene (ug/L)	Toluene (ug/L)	Trichloro-ethene	1,2,4-Trimethylb enzene (ug/L)	1,3,5-Trimethylb enzene (ug/L)	Total Xylenes (ug/L)	Vinyl Chloride (ug/L)
MW-8	1/5/06	**3,200**							**810**	35J	**98**	69J	**64J**	**1,900**		**570**	*120*	*1,000*	
	11/6/06	**870**							*410*	25	**60**	56	**13**	**1,100**	**8.2**	*420*	88	980	
	5/4/07	**2,100**			**13**				*440*	22	**57**	44	**20**	*780*	**13**	*320*	85	510	
	11/8/07	**640**		6.2J					*350*	19	**49**	38		*650*		*290*	75	650	
	5/2/08	**1,500**			7.7J				*680*	32	**95**	64	**14J**	**1,400**	**8.5**	*460*	*96*	900	
	11/25/08	**3,700**		19J	12J				**710**	24	**57**	56		**3,900**	**7.0J**	*390*	94	*2000*	
	5/21/09	**7,800**			**150**				**1600**	54	**160**	120 J		**15,000**		**940**	*160*	*5500*	
	5/17/10	**2,400**		72J					**1600**	60J	**450J**	140J		**13,000**	**84J**	**1100**	*280J*	*5800*	
	10/11/10	**1,300**			**5.5 J**		*20 J*		*310*	9.3 J	*17 J*	21 J		*820*	**9.3 J**	*160*	25 J	390	
	4/12/11	**9,700**			**88 J**				**1,600**	44 J	**160 J**	100 J		**1,600**		**750**	*140 J*	*6,400*	
	1/19/12	**2,100**		4.4	**23**		**110**		*490*	14	**47**	31	**26**	**2,800**	**15**	*220*	41	*1,400*	**8.6**
	7/18/12	**1,730**			**18.4 J**		**98.7**		*382*		*33.3 J*	25.1	**22.9 J**	**2,980**	**20.7 J**	*163*	35	*1,293*	
	3/26/13	**3,170**			**15.2J**		**231**		**809**	20.6J	**61.3J**	44.8	**15.7J**	**5,830**	**18.4J**	*314*	58.4	*2,303*	
MW-10	1/5/06	**9.4**				0.58J	6.4		2.1	0.35J	0.63J		**730**	1.8	**140**	0.92		2.6	
	11/6/06	*4.6*					*27*				0.56J		**120**		**140**				
	5/4/07	*1.2*					*15*						**41**		**69**				
	11/8/07						1.1J						**99**		**18**				
	5/2/08					1.5J	*24*						**140**		**140**				
	11/25/08	*1.3*					*33*	1.0J					**600**		**240**				
	5/21/09						*44*						**2,200**		**110**				
	4/29/10						*46*						**650**		**230**				
	10/11/10	**9.9 J**					**580**		31		6.3 J		**9.1 J**	48	**6.8 J**	21	5.1 J	61	
	4/12/11						**430**						**12 J**	4.4 J	**23**	3.2 J		9.8 J	
	1/19/12	*1.6J*					**310**		3.2J					9.5	*2.6J*	3.1J	0.86J	14J	**5.6J**
	7/18/12	*0.70 J*					*42.7*		0.99 J					3	*1.7*	1.4		5.6	**7.5**
	3/26/13	*1.4*					4.5	0.89J	5.9		1.0J			24.9	*1.7*	7.7	2.4	21.6	**1.3**
P-1	1/5/06												*1.9*			0.20J			
	11/6/06																		
	5/4/07																		
	11/8/07																		
	5/2/08																		
	11/25/08																		
	5/21/09																		
	4/29/10												*1.2J*	1.0J	0.46J				
	10/11/10																		

Table 3
Detected Volatile Organic Compound Concentrations in Groundwater Samples
Reedsburg Cleaners - Reedsburg, Wisconsin
ENVIRON Project No. 21-28166B

Well Location	Sample Date	Benzene (ug/L)	Chloro-form (ug/L)	n-Butyl benzene	1,2-Dibromo ethane (EDB)	Dichlorodi fluoromet hane	cis-1,2-Dichloro-ethene (ug/L)	trans-1,2-Dichloro-ethene (ug/L)	Ethyl-benzene (ug/L)	Isopropyl-benzene (ug/L)	Naphth-alene	n-Propyl-benzene (ug/L)	Tetra-chloro-ethene (ug/L)	Toluene (ug/L)	Trichloro-ethene	1,2,4-Trimethylb enzene (ug/L)	1,3,5-Trimethylb enzene (ug/L)	Total Xylenes (ug/L)	Vinyl Chloride (ug/L)
P-2	1/5/06	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20
	11/8/07	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20
	4/29/10	0.47J	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	*1.5J*	2.1	*0.91J*	0.21J	<0.20	1.1J	<0.20
	10/11/10	<0.20	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	<0.50	<0.20	<0.20	<0.20	<0.50	<0.20
P-8	1/5/06	0.38J	<0.20	<0.20	<0.20	<0.50	<0.50	<0.50	<0.50	<0.20	<0.25	<0.50	<0.50	0.22J	<0.20	<0.20	<0.20	<0.50	<0.20
PAL[A]		0.5	0.6	NE	0.005	200	7	20	140	NE	8	NE	0.5	200	0.5	96	96	1,000	0.02
ES[B]		5	6	NE	0.05	1,000	70	100	700	NE	40	NE	5	1,000	5	480	480	10,000	0.2

Notes:
ug/L = micrograms per liter
PAL - Preventive Action Limit, Wisconsin Administrative Code NR 140.10 Table 1, February 2004 exceedances are *underlined italics*.
ES - Enforcement Standard, Wisconsin Administrative Code NR 140.10 Table 1, February 2004, exceedances are **bold**.
NE - No Criteria established
J - Estimated value between the Method Detection Limit and Limit of Quantification.



COMPANY NAME:	SHEET NAME:	FIGURE NO.:	DATE:	PROJECT NO.:		
REEDSBURG CLEANERS 349 E. MAIN STREET REEDSBURG, WISCONSIN	ELECTRON DONOR INJECTION WELL LOCATION MAP	1	04/25/13	21-28166B	ENVIRON www.environcorp.com	175 N. Corporate Drive, Suite 160 Brookfield, WI 53045 PHONE: (262) 901-0099 FAX: (262) 901-0079

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April 05, 2013

Wayne Butz

N5190 Treganza Drive
New Lisbon, WI 53950

RE: Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Dear Wayne Butz:
Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko

steve.mleczko@pacelabs.com
Project Manager

Enclosures

cc: David L. Markelz, ENVIRON International Corporation

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CERTIFICATIONS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

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: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4075587001	**MW-8**	Water	03/26/13 08:20	03/28/13 15:30
4075587002	**MW-6**	Water	03/26/13 09:15	03/28/13 15:30
4075587003	**MW-10**	Water	03/26/13 12:00	03/28/13 15:30
4075587004	**MW-5**	Water	03/26/13 13:00	03/28/13 15:30
4075587005	**MW-7**	Water	03/26/13 13:55	03/28/13 15:30
4075587006	**MW-2**	Water	03/26/13 14:50	03/28/13 15:30
4075587007	**MW-3R**	Water	03/26/13 15:40	03/28/13 15:30
4075587008	**MW-4**	Water	03/26/13 16:30	03/28/13 15:30
4075587009	**TRIP BLANK**	Water	03/26/13 00:00	03/28/13 15:30

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SAMPLE ANALYTE COUNT

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4075587001	**MW-8**	EPA 8260	HNW	64
4075587002	**MW-6**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587003	**MW-10**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587004	**MW-5**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587005	**MW-7**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587006	**MW-2**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587007	**MW-3R**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587008	**MW-4**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64
		SM 5310C	TJJ	1
4075587009	**TRIP BLANK**	EPA 8015B Modified	LCF	3
		EPA 8260	HNW	64

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-8 **Lab ID: 4075587001** Collected: 03/26/13 08:20 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<23.0**	ug/L	25.0	23.0	25		04/04/13 10:13	630-20-6	
1,1,1-Trichloroethane	**<22.5**	ug/L	25.0	22.5	25		04/04/13 10:13	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	25.0	5.0	25		04/04/13 10:13	79-34-5	
1,1,2-Trichloroethane	**<10.5**	ug/L	25.0	10.5	25		04/04/13 10:13	79-00-5	
1,1-Dichloroethane	**<18.8**	ug/L	25.0	18.8	25		04/04/13 10:13	75-34-3	
1,1-Dichloroethene	**<14.2**	ug/L	25.0	14.2	25		04/04/13 10:13	75-35-4	
1,1-Dichloropropene	**<18.8**	ug/L	25.0	18.8	25		04/04/13 10:13	563-58-6	
1,2,3-Trichlorobenzene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 10:13	87-61-6	
1,2,3-Trichloropropane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 10:13	96-18-4	
1,2,4-Trichlorobenzene	**<24.2**	ug/L	125	24.2	25		04/04/13 10:13	120-82-1	
1,2,4-Trimethylbenzene	**314**	ug/L	25.0	24.2	25		04/04/13 10:13	95-63-6	
1,2-Dibromo-3-chloropropane	**<42.0**	ug/L	125	42.0	25		04/04/13 10:13	96-12-8	
1,2-Dibromoethane (EDB)	**15.2J**	ug/L	25.0	14.0	25		04/04/13 10:13	106-93-4	
1,2-Dichlorobenzene	**<20.8**	ug/L	25.0	20.8	25		04/04/13 10:13	95-50-1	
1,2-Dichloroethane	**<9.0**	ug/L	25.0	9.0	25		04/04/13 10:13	107-06-2	
1,2-Dichloropropane	**<12.2**	ug/L	25.0	12.2	25		04/04/13 10:13	78-87-5	
1,3,5-Trimethylbenzene	**58.4**	ug/L	25.0	20.8	25		04/04/13 10:13	108-67-8	
1,3-Dichlorobenzene	**<21.8**	ug/L	25.0	21.8	25		04/04/13 10:13	541-73-1	
1,3-Dichloropropane	**<15.2**	ug/L	25.0	15.2	25		04/04/13 10:13	142-28-9	
1,4-Dichlorobenzene	**<23.8**	ug/L	25.0	23.8	25		04/04/13 10:13	106-46-7	
2,2-Dichloropropane	**<15.5**	ug/L	25.0	15.5	25		04/04/13 10:13	594-20-7	
2-Chlorotoluene	**<21.2**	ug/L	25.0	21.2	25		04/04/13 10:13	95-49-8	
4-Chlorotoluene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 10:13	106-43-4	
Benzene	**3170**	ug/L	25.0	10.2	25		04/04/13 10:13	71-43-2	
Bromobenzene	**<20.5**	ug/L	25.0	20.5	25		04/04/13 10:13	108-86-1	
Bromochloromethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 10:13	74-97-5	
Bromodichloromethane	**<14.0**	ug/L	25.0	14.0	25		04/04/13 10:13	75-27-4	
Bromoform	**<23.5**	ug/L	25.0	23.5	25		04/04/13 10:13	75-25-2	
Bromomethane	**<22.8**	ug/L	25.0	22.8	25		04/04/13 10:13	74-83-9	
Carbon tetrachloride	**<12.2**	ug/L	25.0	12.2	25		04/04/13 10:13	56-23-5	
Chlorobenzene	**<10.2**	ug/L	25.0	10.2	25		04/04/13 10:13	108-90-7	
Chloroethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 10:13	75-00-3	
Chloroform	**<32.5**	ug/L	125	32.5	25		04/04/13 10:13	67-66-3	
Chloromethane	**<6.0**	ug/L	25.0	6.0	25		04/04/13 10:13	74-87-3	
Dibromochloromethane	**<20.2**	ug/L	25.0	20.2	25		04/04/13 10:13	124-48-1	
Dibromomethane	**<15.0**	ug/L	25.0	15.0	25		04/04/13 10:13	74-95-3	
Dichlorodifluoromethane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 10:13	75-71-8	
Diisopropyl ether	**<19.0**	ug/L	25.0	19.0	25		04/04/13 10:13	108-20-3	
Ethylbenzene	**809**	ug/L	25.0	13.5	25		04/04/13 10:13	100-41-4	
Hexachloro-1,3-butadiene	**<16.8**	ug/L	125	16.8	25		04/04/13 10:13	87-68-3	
Isopropylbenzene (Cumene)	**20.6J**	ug/L	25.0	14.8	25		04/04/13 10:13	98-82-8	
Methyl-tert-butyl ether	**<15.2**	ug/L	25.0	15.2	25		04/04/13 10:13	1634-04-4	
Methylene Chloride	**<10.8**	ug/L	25.0	10.8	25		04/04/13 10:13	75-09-2	
Naphthalene	**61.3J**	ug/L	125	22.2	25		04/04/13 10:13	91-20-3	
Styrene	**<21.5**	ug/L	25.0	21.5	25		04/04/13 10:13	100-42-5	
Tetrachloroethene	**15.7J**	ug/L	25.0	11.2	25		04/04/13 10:13	127-18-4	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-8 **Lab ID: 4075587001** Collected: 03/26/13 08:20 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Toluene	**5830**	ug/L	25.0	16.8	25		04/04/13 10:13	108-88-3	
Trichloroethene	**18.4J**	ug/L	25.0	12.0	25		04/04/13 10:13	79-01-6	
Trichlorofluoromethane	**<19.8**	ug/L	25.0	19.8	25		04/04/13 10:13	75-69-4	
Vinyl chloride	**<4.5**	ug/L	25.0	4.5	25		04/04/13 10:13	75-01-4	
cis-1,2-Dichloroethene	**231**	ug/L	25.0	20.8	25		04/04/13 10:13	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	25.0	5.0	25		04/04/13 10:13	10061-01-5	
m&p-Xylene	**1600**	ug/L	50.0	45.0	25		04/04/13 10:13	179601-23-1	
n-Butylbenzene	**<23.2**	ug/L	25.0	23.2	25		04/04/13 10:13	104-51-8	
n-Propylbenzene	**44.8**	ug/L	25.0	20.2	25		04/04/13 10:13	103-65-1	
o-Xylene	**703**	ug/L	25.0	20.8	25		04/04/13 10:13	95-47-6	
p-Isopropyltoluene	**<16.8**	ug/L	25.0	16.8	25		04/04/13 10:13	99-87-6	
sec-Butylbenzene	**<22.2**	ug/L	125	22.2	25		04/04/13 10:13	135-98-8	
tert-Butylbenzene	**<24.2**	ug/L	25.0	24.2	25		04/04/13 10:13	98-06-6	
trans-1,2-Dichloroethene	**<22.2**	ug/L	25.0	22.2	25		04/04/13 10:13	156-60-5	
trans-1,3-Dichloropropene	**<4.8**	ug/L	25.0	4.8	25		04/04/13 10:13	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	43-137		25		04/04/13 10:13	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		25		04/04/13 10:13	1868-53-7	
Toluene-d8 (S)	98	%	55-137		25		04/04/13 10:13	2037-26-5	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-6 **Lab ID: 4075587002** Collected: 03/26/13 09:15 Received: 03/28/13 15:30 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		04/01/13 08:24	74-84-0	
Ethene	**76.9**	ug/L	5.0	0.30	1		04/01/13 08:24	74-85-1	
Methane	**6310**	ug/L	140	32.2	50		04/01/13 11:42	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<4.6**	ug/L	5.0	4.6	5		04/04/13 09:51	630-20-6	
1,1,1-Trichloroethane	**<4.5**	ug/L	5.0	4.5	5		04/04/13 09:51	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	5.0	1.0	5		04/04/13 09:51	79-34-5	
1,1,2-Trichloroethane	**<2.1**	ug/L	5.0	2.1	5		04/04/13 09:51	79-00-5	
1,1-Dichloroethane	**<3.8**	ug/L	5.0	3.8	5		04/04/13 09:51	75-34-3	
1,1-Dichloroethene	**<2.8**	ug/L	5.0	2.8	5		04/04/13 09:51	75-35-4	
1,1-Dichloropropene	**<3.8**	ug/L	5.0	3.8	5		04/04/13 09:51	563-58-6	
1,2,3-Trichlorobenzene	**<3.7**	ug/L	5.0	3.7	5		04/04/13 09:51	87-61-6	
1,2,3-Trichloropropane	**<5.0**	ug/L	5.0	5.0	5		04/04/13 09:51	96-18-4	
1,2,4-Trichlorobenzene	**<4.8**	ug/L	25.0	4.8	5		04/04/13 09:51	120-82-1	
1,2,4-Trimethylbenzene	**16.0**	ug/L	5.0	4.8	5		04/04/13 09:51	95-63-6	
1,2-Dibromo-3-chloropropane	**<8.4**	ug/L	25.0	8.4	5		04/04/13 09:51	96-12-8	
1,2-Dibromoethane (EDB)	**<2.8**	ug/L	5.0	2.8	5		04/04/13 09:51	106-93-4	
1,2-Dichlorobenzene	**<4.2**	ug/L	5.0	4.2	5		04/04/13 09:51	95-50-1	
1,2-Dichloroethane	**<1.8**	ug/L	5.0	1.8	5		04/04/13 09:51	107-06-2	
1,2-Dichloropropane	**<2.4**	ug/L	5.0	2.4	5		04/04/13 09:51	78-87-5	
1,3,5-Trimethylbenzene	**4.2J**	ug/L	5.0	4.2	5		04/04/13 09:51	108-67-8	
1,3-Dichlorobenzene	**<4.4**	ug/L	5.0	4.4	5		04/04/13 09:51	541-73-1	
1,3-Dichloropropane	**<3.0**	ug/L	5.0	3.0	5		04/04/13 09:51	142-28-9	
1,4-Dichlorobenzene	**<4.8**	ug/L	5.0	4.8	5		04/04/13 09:51	106-46-7	
2,2-Dichloropropane	**<3.1**	ug/L	5.0	3.1	5		04/04/13 09:51	594-20-7	
2-Chlorotoluene	**<4.2**	ug/L	5.0	4.2	5		04/04/13 09:51	95-49-8	
4-Chlorotoluene	**<3.7**	ug/L	5.0	3.7	5		04/04/13 09:51	106-43-4	
Benzene	**2.6J**	ug/L	5.0	2.0	5		04/04/13 09:51	71-43-2	
Bromobenzene	**<4.1**	ug/L	5.0	4.1	5		04/04/13 09:51	108-86-1	
Bromochloromethane	**<4.8**	ug/L	5.0	4.8	5		04/04/13 09:51	74-97-5	
Bromodichloromethane	**<2.8**	ug/L	5.0	2.8	5		04/04/13 09:51	75-27-4	
Bromoform	**<4.7**	ug/L	5.0	4.7	5		04/04/13 09:51	75-25-2	
Bromomethane	**<4.6**	ug/L	5.0	4.6	5		04/04/13 09:51	74-83-9	
Carbon tetrachloride	**<2.4**	ug/L	5.0	2.4	5		04/04/13 09:51	56-23-5	
Chlorobenzene	**<2.0**	ug/L	5.0	2.0	5		04/04/13 09:51	108-90-7	
Chloroethane	**<4.8**	ug/L	5.0	4.8	5		04/04/13 09:51	75-00-3	
Chloroform	**<6.5**	ug/L	25.0	6.5	5		04/04/13 09:51	67-66-3	
Chloromethane	**<1.2**	ug/L	5.0	1.2	5		04/04/13 09:51	74-87-3	
Dibromochloromethane	**<4.0**	ug/L	5.0	4.0	5		04/04/13 09:51	124-48-1	
Dibromomethane	**<3.0**	ug/L	5.0	3.0	5		04/04/13 09:51	74-95-3	
Dichlorodifluoromethane	**<5.0**	ug/L	5.0	5.0	5		04/04/13 09:51	75-71-8	
Diisopropyl ether	**<3.8**	ug/L	5.0	3.8	5		04/04/13 09:51	108-20-3	
Ethylbenzene	**18.6**	ug/L	5.0	2.7	5		04/04/13 09:51	100-41-4	
Hexachloro-1,3-butadiene	**<3.4**	ug/L	25.0	3.4	5		04/04/13 09:51	87-68-3	
Isopropylbenzene (Cumene)	**<3.0**	ug/L	5.0	3.0	5		04/04/13 09:51	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-6 **Lab ID: 4075587002** Collected: 03/26/13 09:15 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<3.0**	ug/L	5.0	3.0	5		04/04/13 09:51	1634-04-4	
Methylene Chloride	**<2.2**	ug/L	5.0	2.2	5		04/04/13 09:51	75-09-2	
Naphthalene	**<4.4**	ug/L	25.0	4.4	5		04/04/13 09:51	91-20-3	
Styrene	**<4.3**	ug/L	5.0	4.3	5		04/04/13 09:51	100-42-5	
Tetrachloroethene	**27.9**	ug/L	5.0	2.2	5		04/04/13 09:51	127-18-4	
Toluene	**36.1**	ug/L	5.0	3.4	5		04/04/13 09:51	108-88-3	
Trichloroethene	**104**	ug/L	5.0	2.4	5		04/04/13 09:51	79-01-6	
Trichlorofluoromethane	**<4.0**	ug/L	5.0	4.0	5		04/04/13 09:51	75-69-4	
Vinyl chloride	**87.8**	ug/L	5.0	0.90	5		04/04/13 09:51	75-01-4	
cis-1,2-Dichloroethene	**409**	ug/L	5.0	4.2	5		04/04/13 09:51	156-59-2	E,M1
cis-1,3-Dichloropropene	**<1.0**	ug/L	5.0	1.0	5		04/04/13 09:51	10061-01-5	
m&p-Xylene	**19.2**	ug/L	10.0	9.0	5		04/04/13 09:51	179601-23-1	
n-Butylbenzene	**<4.6**	ug/L	5.0	4.6	5		04/04/13 09:51	104-51-8	
n-Propylbenzene	**<4.0**	ug/L	5.0	4.0	5		04/04/13 09:51	103-65-1	
o-Xylene	**10.4**	ug/L	5.0	4.2	5		04/04/13 09:51	95-47-6	
p-Isopropyltoluene	**<3.4**	ug/L	5.0	3.4	5		04/04/13 09:51	99-87-6	
sec-Butylbenzene	**<4.4**	ug/L	25.0	4.4	5		04/04/13 09:51	135-98-8	
tert-Butylbenzene	**<4.8**	ug/L	5.0	4.8	5		04/04/13 09:51	98-06-6	
trans-1,2-Dichloroethene	**<4.4**	ug/L	5.0	4.4	5		04/04/13 09:51	156-60-5	
trans-1,3-Dichloropropene	**<0.95**	ug/L	5.0	0.95	5		04/04/13 09:51	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	43-137		5		04/04/13 09:51	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		5		04/04/13 09:51	1868-53-7	
Toluene-d8 (S)	98	%	55-137		5		04/04/13 09:51	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**14.2**	mg/L	10.0	0.82	20		04/03/13 12:19	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-10 **Lab ID: 4075587003** Collected: 03/26/13 12:00 Received: 03/28/13 15:30 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		04/01/13 08:32	74-84-0	
Ethene	**47.5**	ug/L	5.0	0.30	1		04/01/13 08:32	74-85-1	
Methane	**6260**	ug/L	140	32.2	50		04/01/13 11:51	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		04/04/13 12:28	630-20-6	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/04/13 12:28	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		04/04/13 12:28	79-34-5	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/04/13 12:28	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/04/13 12:28	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/04/13 12:28	75-35-4	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		04/04/13 12:28	563-58-6	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		04/04/13 12:28	87-61-6	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		04/04/13 12:28	96-18-4	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		04/04/13 12:28	120-82-1	
1,2,4-Trimethylbenzene	**7.7**	ug/L	1.0	0.97	1		04/04/13 12:28	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/04/13 12:28	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/04/13 12:28	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/04/13 12:28	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/04/13 12:28	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/04/13 12:28	78-87-5	
1,3,5-Trimethylbenzene	**2.4**	ug/L	1.0	0.83	1		04/04/13 12:28	108-67-8	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/04/13 12:28	541-73-1	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		04/04/13 12:28	142-28-9	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/04/13 12:28	106-46-7	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		04/04/13 12:28	594-20-7	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		04/04/13 12:28	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		04/04/13 12:28	106-43-4	
Benzene	**1.4**	ug/L	1.0	0.41	1		04/04/13 12:28	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		04/04/13 12:28	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		04/04/13 12:28	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/04/13 12:28	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/04/13 12:28	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/04/13 12:28	74-83-9	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/04/13 12:28	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/04/13 12:28	108-90-7	
Chloroethane	**2.4**	ug/L	1.0	0.97	1		04/04/13 12:28	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/04/13 12:28	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/04/13 12:28	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/04/13 12:28	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/04/13 12:28	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/04/13 12:28	75-71-8	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		04/04/13 12:28	108-20-3	
Ethylbenzene	**5.9**	ug/L	1.0	0.54	1		04/04/13 12:28	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		04/04/13 12:28	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		04/04/13 12:28	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-10 **Lab ID: 4075587003** Collected: 03/26/13 12:00 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/04/13 12:28	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/04/13 12:28	75-09-2	
Naphthalene	**1.0J**	ug/L	5.0	0.89	1		04/04/13 12:28	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/04/13 12:28	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/04/13 12:28	127-18-4	
Toluene	**24.9**	ug/L	1.0	0.67	1		04/04/13 12:28	108-88-3	
Trichloroethene	**1.7**	ug/L	1.0	0.48	1		04/04/13 12:28	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/04/13 12:28	75-69-4	
Vinyl chloride	**1.3**	ug/L	1.0	0.18	1		04/04/13 12:28	75-01-4	
cis-1,2-Dichloroethene	**4.5**	ug/L	1.0	0.83	1		04/04/13 12:28	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/04/13 12:28	10061-01-5	
m&p-Xylene	**14.8**	ug/L	2.0	1.8	1		04/04/13 12:28	179601-23-1	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		04/04/13 12:28	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		04/04/13 12:28	103-65-1	
o-Xylene	**6.8**	ug/L	1.0	0.83	1		04/04/13 12:28	95-47-6	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		04/04/13 12:28	99-87-6	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		04/04/13 12:28	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/04/13 12:28	98-06-6	
trans-1,2-Dichloroethene	**0.89J**	ug/L	1.0	0.89	1		04/04/13 12:28	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/04/13 12:28	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	43-137		1		04/04/13 12:28	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/04/13 12:28	1868-53-7	
Toluene-d8 (S)	99	%	55-137		1		04/04/13 12:28	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**22.1**	mg/L	10.0	0.82	20		04/02/13 16:52	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-5 **Lab ID: 4075587004** Collected: 03/26/13 13:00 Received: 03/28/13 15:30 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		04/01/13 08:41	74-84-0	
Ethene	**150**	ug/L	5.0	0.30	1		04/01/13 08:41	74-85-1	
Methane	**10200**	ug/L	140	32.2	50		04/01/13 12:08	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<23.0**	ug/L	25.0	23.0	25		04/04/13 17:50	630-20-6	
1,1,1-Trichloroethane	**<22.5**	ug/L	25.0	22.5	25		04/04/13 17:50	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	25.0	5.0	25		04/04/13 17:50	79-34-5	
1,1,2-Trichloroethane	**<10.5**	ug/L	25.0	10.5	25		04/04/13 17:50	79-00-5	
1,1-Dichloroethane	**<18.8**	ug/L	25.0	18.8	25		04/04/13 17:50	75-34-3	
1,1-Dichloroethene	**<14.2**	ug/L	25.0	14.2	25		04/04/13 17:50	75-35-4	
1,1-Dichloropropene	**<18.8**	ug/L	25.0	18.8	25		04/04/13 17:50	563-58-6	
1,2,3-Trichlorobenzene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 17:50	87-61-6	
1,2,3-Trichloropropane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 17:50	96-18-4	
1,2,4-Trichlorobenzene	**<24.2**	ug/L	125	24.2	25		04/04/13 17:50	120-82-1	
1,2,4-Trimethylbenzene	**<24.2**	ug/L	25.0	24.2	25		04/04/13 17:50	95-63-6	
1,2-Dibromo-3-chloropropane	**<42.0**	ug/L	125	42.0	25		04/04/13 17:50	96-12-8	
1,2-Dibromoethane (EDB)	**<14.0**	ug/L	25.0	14.0	25		04/04/13 17:50	106-93-4	
1,2-Dichlorobenzene	**<20.8**	ug/L	25.0	20.8	25		04/04/13 17:50	95-50-1	
1,2-Dichloroethane	**<9.0**	ug/L	25.0	9.0	25		04/04/13 17:50	107-06-2	
1,2-Dichloropropane	**<12.2**	ug/L	25.0	12.2	25		04/04/13 17:50	78-87-5	
1,3,5-Trimethylbenzene	**<20.8**	ug/L	25.0	20.8	25		04/04/13 17:50	108-67-8	
1,3-Dichlorobenzene	**<21.8**	ug/L	25.0	21.8	25		04/04/13 17:50	541-73-1	
1,3-Dichloropropane	**<15.2**	ug/L	25.0	15.2	25		04/04/13 17:50	142-28-9	
1,4-Dichlorobenzene	**<23.8**	ug/L	25.0	23.8	25		04/04/13 17:50	106-46-7	
2,2-Dichloropropane	**<15.5**	ug/L	25.0	15.5	25		04/04/13 17:50	594-20-7	
2-Chlorotoluene	**<21.2**	ug/L	25.0	21.2	25		04/04/13 17:50	95-49-8	
4-Chlorotoluene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 17:50	106-43-4	
Benzene	**<10.2**	ug/L	25.0	10.2	25		04/04/13 17:50	71-43-2	
Bromobenzene	**<20.5**	ug/L	25.0	20.5	25		04/04/13 17:50	108-86-1	
Bromochloromethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 17:50	74-97-5	
Bromodichloromethane	**<14.0**	ug/L	25.0	14.0	25		04/04/13 17:50	75-27-4	
Bromoform	**<23.5**	ug/L	25.0	23.5	25		04/04/13 17:50	75-25-2	
Bromomethane	**<22.8**	ug/L	25.0	22.8	25		04/04/13 17:50	74-83-9	
Carbon tetrachloride	**<12.2**	ug/L	25.0	12.2	25		04/04/13 17:50	56-23-5	
Chlorobenzene	**<10.2**	ug/L	25.0	10.2	25		04/04/13 17:50	108-90-7	
Chloroethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 17:50	75-00-3	
Chloroform	**<32.5**	ug/L	125	32.5	25		04/04/13 17:50	67-66-3	
Chloromethane	**<6.0**	ug/L	25.0	6.0	25		04/04/13 17:50	74-87-3	
Dibromochloromethane	**<20.2**	ug/L	25.0	20.2	25		04/04/13 17:50	124-48-1	
Dibromomethane	**<15.0**	ug/L	25.0	15.0	25		04/04/13 17:50	74-95-3	
Dichlorodifluoromethane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 17:50	75-71-8	
Diisopropyl ether	**<19.0**	ug/L	25.0	19.0	25		04/04/13 17:50	108-20-3	
Ethylbenzene	**22.3J**	ug/L	25.0	13.5	25		04/04/13 17:50	100-41-4	
Hexachloro-1,3-butadiene	**<16.8**	ug/L	125	16.8	25		04/04/13 17:50	87-68-3	
Isopropylbenzene (Cumene)	**<14.8**	ug/L	25.0	14.8	25		04/04/13 17:50	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-5 **Lab ID: 4075587004** Collected: 03/26/13 13:00 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<15.2**	ug/L	25.0	15.2	25		04/04/13 17:50	1634-04-4	
Methylene Chloride	**<10.8**	ug/L	25.0	10.8	25		04/04/13 17:50	75-09-2	
Naphthalene	**<22.2**	ug/L	125	22.2	25		04/04/13 17:50	91-20-3	
Styrene	**<21.5**	ug/L	25.0	21.5	25		04/04/13 17:50	100-42-5	
Tetrachloroethene	**34.7**	ug/L	25.0	11.2	25		04/04/13 17:50	127-18-4	
Toluene	**105**	ug/L	25.0	16.8	25		04/04/13 17:50	108-88-3	
Trichloroethene	**245**	ug/L	25.0	12.0	25		04/04/13 17:50	79-01-6	
Trichlorofluoromethane	**<19.8**	ug/L	25.0	19.8	25		04/04/13 17:50	75-69-4	
Vinyl chloride	**429**	ug/L	25.0	4.5	25		04/04/13 17:50	75-01-4	
cis-1,2-Dichloroethene	**2180**	ug/L	25.0	20.8	25		04/04/13 17:50	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	25.0	5.0	25		04/04/13 17:50	10061-01-5	
m&p-Xylene	**<45.0**	ug/L	50.0	45.0	25		04/04/13 17:50	179601-23-1	
n-Butylbenzene	**<23.2**	ug/L	25.0	23.2	25		04/04/13 17:50	104-51-8	
n-Propylbenzene	**<20.2**	ug/L	25.0	20.2	25		04/04/13 17:50	103-65-1	
o-Xylene	**28.5**	ug/L	25.0	20.8	25		04/04/13 17:50	95-47-6	
p-Isopropyltoluene	**<16.8**	ug/L	25.0	16.8	25		04/04/13 17:50	99-87-6	
sec-Butylbenzene	**<22.2**	ug/L	125	22.2	25		04/04/13 17:50	135-98-8	
tert-Butylbenzene	**<24.2**	ug/L	25.0	24.2	25		04/04/13 17:50	98-06-6	
trans-1,2-Dichloroethene	**<22.2**	ug/L	25.0	22.2	25		04/04/13 17:50	156-60-5	
trans-1,3-Dichloropropene	**<4.8**	ug/L	25.0	4.8	25		04/04/13 17:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	43-137		25		04/04/13 17:50	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		25		04/04/13 17:50	1868-53-7	
Toluene-d8 (S)	101	%	55-137		25		04/04/13 17:50	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**17.2**	mg/L	7.5	0.61	15		04/03/13 13:14	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-7 **Lab ID: 4075587005** Collected: 03/26/13 13:55 Received: 03/28/13 15:30 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		04/01/13 08:49	74-84-0	
Ethene	**167**	ug/L	5.0	0.30	1		04/01/13 08:49	74-85-1	
Methane	**10400**	ug/L	140	32.2	50		04/01/13 12:16	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<1.8**	ug/L	2.0	1.8	2		04/04/13 12:05	630-20-6	
1,1,1-Trichloroethane	**<1.8**	ug/L	2.0	1.8	2		04/04/13 12:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.40**	ug/L	2.0	0.40	2		04/04/13 12:05	79-34-5	
1,1,2-Trichloroethane	**<0.84**	ug/L	2.0	0.84	2		04/04/13 12:05	79-00-5	
1,1-Dichloroethane	**<1.5**	ug/L	2.0	1.5	2		04/04/13 12:05	75-34-3	
1,1-Dichloroethene	**<1.1**	ug/L	2.0	1.1	2		04/04/13 12:05	75-35-4	
1,1-Dichloropropene	**<1.5**	ug/L	2.0	1.5	2		04/04/13 12:05	563-58-6	
1,2,3-Trichlorobenzene	**<1.5**	ug/L	2.0	1.5	2		04/04/13 12:05	87-61-6	
1,2,3-Trichloropropane	**<2.0**	ug/L	2.0	2.0	2		04/04/13 12:05	96-18-4	
1,2,4-Trichlorobenzene	**<1.9**	ug/L	10.0	1.9	2		04/04/13 12:05	120-82-1	
1,2,4-Trimethylbenzene	**106**	ug/L	2.0	1.9	2		04/04/13 12:05	95-63-6	
1,2-Dibromo-3-chloropropane	**<3.4**	ug/L	10.0	3.4	2		04/04/13 12:05	96-12-8	
1,2-Dibromoethane (EDB)	**<1.1**	ug/L	2.0	1.1	2		04/04/13 12:05	106-93-4	
1,2-Dichlorobenzene	**<1.7**	ug/L	2.0	1.7	2		04/04/13 12:05	95-50-1	
1,2-Dichloroethane	**<0.72**	ug/L	2.0	0.72	2		04/04/13 12:05	107-06-2	
1,2-Dichloropropane	**<0.98**	ug/L	2.0	0.98	2		04/04/13 12:05	78-87-5	
1,3,5-Trimethylbenzene	**26.0**	ug/L	2.0	1.7	2		04/04/13 12:05	108-67-8	
1,3-Dichlorobenzene	**<1.7**	ug/L	2.0	1.7	2		04/04/13 12:05	541-73-1	
1,3-Dichloropropane	**<1.2**	ug/L	2.0	1.2	2		04/04/13 12:05	142-28-9	
1,4-Dichlorobenzene	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	106-46-7	
2,2-Dichloropropane	**<1.2**	ug/L	2.0	1.2	2		04/04/13 12:05	594-20-7	
2-Chlorotoluene	**<1.7**	ug/L	2.0	1.7	2		04/04/13 12:05	95-49-8	
4-Chlorotoluene	**<1.5**	ug/L	2.0	1.5	2		04/04/13 12:05	106-43-4	
Benzene	**27.9**	ug/L	2.0	0.82	2		04/04/13 12:05	71-43-2	
Bromobenzene	**<1.6**	ug/L	2.0	1.6	2		04/04/13 12:05	108-86-1	
Bromochloromethane	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	74-97-5	
Bromodichloromethane	**<1.1**	ug/L	2.0	1.1	2		04/04/13 12:05	75-27-4	
Bromoform	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	75-25-2	
Bromomethane	**<1.8**	ug/L	2.0	1.8	2		04/04/13 12:05	74-83-9	
Carbon tetrachloride	**<0.98**	ug/L	2.0	0.98	2		04/04/13 12:05	56-23-5	
Chlorobenzene	**<0.82**	ug/L	2.0	0.82	2		04/04/13 12:05	108-90-7	
Chloroethane	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	75-00-3	
Chloroform	**<2.6**	ug/L	10.0	2.6	2		04/04/13 12:05	67-66-3	
Chloromethane	**<0.48**	ug/L	2.0	0.48	2		04/04/13 12:05	74-87-3	
Dibromochloromethane	**<1.6**	ug/L	2.0	1.6	2		04/04/13 12:05	124-48-1	
Dibromomethane	**<1.2**	ug/L	2.0	1.2	2		04/04/13 12:05	74-95-3	
Dichlorodifluoromethane	**<2.0**	ug/L	2.0	2.0	2		04/04/13 12:05	75-71-8	
Diisopropyl ether	**<1.5**	ug/L	2.0	1.5	2		04/04/13 12:05	108-20-3	
Ethylbenzene	**135**	ug/L	2.0	1.1	2		04/04/13 12:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.3**	ug/L	10.0	1.3	2		04/04/13 12:05	87-68-3	
Isopropylbenzene (Cumene)	**5.8**	ug/L	2.0	1.2	2		04/04/13 12:05	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-7 **Lab ID: 4075587005** Collected: 03/26/13 13:55 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<1.2**	ug/L	2.0	1.2	2		04/04/13 12:05	1634-04-4	
Methylene Chloride	**<0.86**	ug/L	2.0	0.86	2		04/04/13 12:05	75-09-2	
Naphthalene	**16.3**	ug/L	10.0	1.8	2		04/04/13 12:05	91-20-3	
Styrene	**<1.7**	ug/L	2.0	1.7	2		04/04/13 12:05	100-42-5	
Tetrachloroethene	**<0.90**	ug/L	2.0	0.90	2		04/04/13 12:05	127-18-4	
Toluene	**557**	ug/L	2.0	1.3	2		04/04/13 12:05	108-88-3	
Trichloroethene	**3.1**	ug/L	2.0	0.96	2		04/04/13 12:05	79-01-6	
Trichlorofluoromethane	**<1.6**	ug/L	2.0	1.6	2		04/04/13 12:05	75-69-4	
Vinyl chloride	**20.7**	ug/L	2.0	0.36	2		04/04/13 12:05	75-01-4	
cis-1,2-Dichloroethene	**45.8**	ug/L	2.0	1.7	2		04/04/13 12:05	156-59-2	
cis-1,3-Dichloropropene	**<0.40**	ug/L	2.0	0.40	2		04/04/13 12:05	10061-01-5	
m&p-Xylene	**387**	ug/L	4.0	3.6	2		04/04/13 12:05	179601-23-1	
n-Butylbenzene	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	104-51-8	
n-Propylbenzene	**12.9**	ug/L	2.0	1.6	2		04/04/13 12:05	103-65-1	
o-Xylene	**161**	ug/L	2.0	1.7	2		04/04/13 12:05	95-47-6	
p-Isopropyltoluene	**<1.3**	ug/L	2.0	1.3	2		04/04/13 12:05	99-87-6	
sec-Butylbenzene	**<1.8**	ug/L	10.0	1.8	2		04/04/13 12:05	135-98-8	
tert-Butylbenzene	**<1.9**	ug/L	2.0	1.9	2		04/04/13 12:05	98-06-6	
trans-1,2-Dichloroethene	**3.5**	ug/L	2.0	1.8	2		04/04/13 12:05	156-60-5	
trans-1,3-Dichloropropene	**<0.38**	ug/L	2.0	0.38	2		04/04/13 12:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	43-137		2		04/04/13 12:05	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		2		04/04/13 12:05	1868-53-7	
Toluene-d8 (S)	99	%	55-137		2		04/04/13 12:05	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**15.9**	mg/L	15.0	1.2	30		04/02/13 17:28	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-2 **Lab ID: 4075587006** Collected: 03/26/13 14:50 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Methane, Ethane, Ethene GCV	Analytical Method: EPA 8015B Modified								
Ethane	**13.4**	ug/L	5.6	0.36	1		04/01/13 08:58	74-84-0	
Ethene	**4.4J**	ug/L	5.0	0.30	1		04/01/13 08:58	74-85-1	
Methane	**729**	ug/L	14.0	3.2	5		04/01/13 12:24	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<230**	ug/L	250	230	250		04/04/13 18:58	630-20-6	
1,1,1-Trichloroethane	**<225**	ug/L	250	225	250		04/04/13 18:58	71-55-6	
1,1,2,2-Tetrachloroethane	**<50.0**	ug/L	250	50.0	250		04/04/13 18:58	79-34-5	
1,1,2-Trichloroethane	**<105**	ug/L	250	105	250		04/04/13 18:58	79-00-5	
1,1-Dichloroethane	**<188**	ug/L	250	188	250		04/04/13 18:58	75-34-3	
1,1-Dichloroethene	**<142**	ug/L	250	142	250		04/04/13 18:58	75-35-4	
1,1-Dichloropropene	**<188**	ug/L	250	188	250		04/04/13 18:58	563-58-6	
1,2,3-Trichlorobenzene	**<185**	ug/L	250	185	250		04/04/13 18:58	87-61-6	
1,2,3-Trichloropropane	**<248**	ug/L	250	248	250		04/04/13 18:58	96-18-4	
1,2,4-Trichlorobenzene	**<242**	ug/L	1250	242	250		04/04/13 18:58	120-82-1	
1,2,4-Trimethylbenzene	**1280**	ug/L	250	242	250		04/04/13 18:58	95-63-6	
1,2-Dibromo-3-chloropropane	**<420**	ug/L	1250	420	250		04/04/13 18:58	96-12-8	
1,2-Dibromoethane (EDB)	**<140**	ug/L	250	140	250		04/04/13 18:58	106-93-4	
1,2-Dichlorobenzene	**<208**	ug/L	250	208	250		04/04/13 18:58	95-50-1	
1,2-Dichloroethane	**<90.0**	ug/L	250	90.0	250		04/04/13 18:58	107-06-2	
1,2-Dichloropropane	**<122**	ug/L	250	122	250		04/04/13 18:58	78-87-5	
1,3,5-Trimethylbenzene	**370**	ug/L	250	208	250		04/04/13 18:58	108-67-8	
1,3-Dichlorobenzene	**<218**	ug/L	250	218	250		04/04/13 18:58	541-73-1	
1,3-Dichloropropane	**<152**	ug/L	250	152	250		04/04/13 18:58	142-28-9	
1,4-Dichlorobenzene	**<238**	ug/L	250	238	250		04/04/13 18:58	106-46-7	
2,2-Dichloropropane	**<155**	ug/L	250	155	250		04/04/13 18:58	594-20-7	
2-Chlorotoluene	**<212**	ug/L	250	212	250		04/04/13 18:58	95-49-8	
4-Chlorotoluene	**<185**	ug/L	250	185	250		04/04/13 18:58	106-43-4	
Benzene	**7280**	ug/L	250	102	250		04/04/13 18:58	71-43-2	
Bromobenzene	**<205**	ug/L	250	205	250		04/04/13 18:58	108-86-1	
Bromochloromethane	**<242**	ug/L	250	242	250		04/04/13 18:58	74-97-5	
Bromodichloromethane	**<140**	ug/L	250	140	250		04/04/13 18:58	75-27-4	
Bromoform	**<235**	ug/L	250	235	250		04/04/13 18:58	75-25-2	
Bromomethane	**<228**	ug/L	250	228	250		04/04/13 18:58	74-83-9	
Carbon tetrachloride	**<122**	ug/L	250	122	250		04/04/13 18:58	56-23-5	
Chlorobenzene	**<102**	ug/L	250	102	250		04/04/13 18:58	108-90-7	
Chloroethane	**<242**	ug/L	250	242	250		04/04/13 18:58	75-00-3	
Chloroform	**<325**	ug/L	1250	325	250		04/04/13 18:58	67-66-3	
Chloromethane	**<60.0**	ug/L	250	60.0	250		04/04/13 18:58	74-87-3	
Dibromochloromethane	**<202**	ug/L	250	202	250		04/04/13 18:58	124-48-1	
Dibromomethane	**<150**	ug/L	250	150	250		04/04/13 18:58	74-95-3	
Dichlorodifluoromethane	**<248**	ug/L	250	248	250		04/04/13 18:58	75-71-8	
Diisopropyl ether	**<190**	ug/L	250	190	250		04/04/13 18:58	108-20-3	
Ethylbenzene	**2170**	ug/L	250	135	250		04/04/13 18:58	100-41-4	
Hexachloro-1,3-butadiene	**<168**	ug/L	1250	168	250		04/04/13 18:58	87-68-3	
Isopropylbenzene (Cumene)	**<148**	ug/L	250	148	250		04/04/13 18:58	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-2 **Lab ID: 4075587006** Collected: 03/26/13 14:50 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<152**	ug/L	250	152	250		04/04/13 18:58	1634-04-4	
Methylene Chloride	**<108**	ug/L	250	108	250		04/04/13 18:58	75-09-2	
Naphthalene	**<222**	ug/L	1250	222	250		04/04/13 18:58	91-20-3	
Styrene	**<215**	ug/L	250	215	250		04/04/13 18:58	100-42-5	
Tetrachloroethene	**799**	ug/L	250	112	250		04/04/13 18:58	127-18-4	
Toluene	**27800**	ug/L	250	168	250		04/04/13 18:58	108-88-3	
Trichloroethene	**<120**	ug/L	250	120	250		04/04/13 18:58	79-01-6	
Trichlorofluoromethane	**<198**	ug/L	250	198	250		04/04/13 18:58	75-69-4	
Vinyl chloride	**<45.0**	ug/L	250	45.0	250		04/04/13 18:58	75-01-4	
cis-1,2-Dichloroethene	**528**	ug/L	250	208	250		04/04/13 18:58	156-59-2	
cis-1,3-Dichloropropene	**<50.0**	ug/L	250	50.0	250		04/04/13 18:58	10061-01-5	
m&p-Xylene	**6850**	ug/L	500	450	250		04/04/13 18:58	179601-23-1	
n-Butylbenzene	**<232**	ug/L	250	232	250		04/04/13 18:58	104-51-8	
n-Propylbenzene	**<202**	ug/L	250	202	250		04/04/13 18:58	103-65-1	
o-Xylene	**2920**	ug/L	250	208	250		04/04/13 18:58	95-47-6	
p-Isopropyltoluene	**<168**	ug/L	250	168	250		04/04/13 18:58	99-87-6	
sec-Butylbenzene	**<222**	ug/L	1250	222	250		04/04/13 18:58	135-98-8	
tert-Butylbenzene	**<242**	ug/L	250	242	250		04/04/13 18:58	98-06-6	
trans-1,2-Dichloroethene	**<222**	ug/L	250	222	250		04/04/13 18:58	156-60-5	
trans-1,3-Dichloropropene	**<47.5**	ug/L	250	47.5	250		04/04/13 18:58	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	43-137		250		04/04/13 18:58	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		250		04/04/13 18:58	1868-53-7	
Toluene-d8 (S)	102	%	55-137		250		04/04/13 18:58	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**39.1**	mg/L	5.0	0.41	10		04/02/13 17:47	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-3R **Lab ID: 4075587007** Collected: 03/26/13 15:40 Received: 03/28/13 15:30 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		04/01/13 09:06	74-84-0	
Ethene	**66.5**	ug/L	5.0	0.30	1		04/01/13 09:06	74-85-1	
Methane	**4430**	ug/L	112	25.8	40		04/01/13 12:33	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<23.0**	ug/L	25.0	23.0	25		04/04/13 18:12	630-20-6	
1,1,1-Trichloroethane	**<22.5**	ug/L	25.0	22.5	25		04/04/13 18:12	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	25.0	5.0	25		04/04/13 18:12	79-34-5	
1,1,2-Trichloroethane	**<10.5**	ug/L	25.0	10.5	25		04/04/13 18:12	79-00-5	
1,1-Dichloroethane	**<18.8**	ug/L	25.0	18.8	25		04/04/13 18:12	75-34-3	
1,1-Dichloroethene	**<14.2**	ug/L	25.0	14.2	25		04/04/13 18:12	75-35-4	
1,1-Dichloropropene	**<18.8**	ug/L	25.0	18.8	25		04/04/13 18:12	563-58-6	
1,2,3-Trichlorobenzene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 18:12	87-61-6	
1,2,3-Trichloropropane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 18:12	96-18-4	
1,2,4-Trichlorobenzene	**<24.2**	ug/L	125	24.2	25		04/04/13 18:12	120-82-1	
1,2,4-Trimethylbenzene	**591**	ug/L	25.0	24.2	25		04/04/13 18:12	95-63-6	
1,2-Dibromo-3-chloropropane	**<42.0**	ug/L	125	42.0	25		04/04/13 18:12	96-12-8	
1,2-Dibromoethane (EDB)	**<14.0**	ug/L	25.0	14.0	25		04/04/13 18:12	106-93-4	
1,2-Dichlorobenzene	**<20.8**	ug/L	25.0	20.8	25		04/04/13 18:12	95-50-1	
1,2-Dichloroethane	**<9.0**	ug/L	25.0	9.0	25		04/04/13 18:12	107-06-2	
1,2-Dichloropropane	**<12.2**	ug/L	25.0	12.2	25		04/04/13 18:12	78-87-5	
1,3,5-Trimethylbenzene	**152**	ug/L	25.0	20.8	25		04/04/13 18:12	108-67-8	
1,3-Dichlorobenzene	**<21.8**	ug/L	25.0	21.8	25		04/04/13 18:12	541-73-1	
1,3-Dichloropropane	**<15.2**	ug/L	25.0	15.2	25		04/04/13 18:12	142-28-9	
1,4-Dichlorobenzene	**<23.8**	ug/L	25.0	23.8	25		04/04/13 18:12	106-46-7	
2,2-Dichloropropane	**<15.5**	ug/L	25.0	15.5	25		04/04/13 18:12	594-20-7	
2-Chlorotoluene	**<21.2**	ug/L	25.0	21.2	25		04/04/13 18:12	95-49-8	
4-Chlorotoluene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 18:12	106-43-4	
Benzene	**157**	ug/L	25.0	10.2	25		04/04/13 18:12	71-43-2	
Bromobenzene	**<20.5**	ug/L	25.0	20.5	25		04/04/13 18:12	108-86-1	
Bromochloromethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:12	74-97-5	
Bromodichloromethane	**<14.0**	ug/L	25.0	14.0	25		04/04/13 18:12	75-27-4	
Bromoform	**<23.5**	ug/L	25.0	23.5	25		04/04/13 18:12	75-25-2	
Bromomethane	**<22.8**	ug/L	25.0	22.8	25		04/04/13 18:12	74-83-9	
Carbon tetrachloride	**<12.2**	ug/L	25.0	12.2	25		04/04/13 18:12	56-23-5	
Chlorobenzene	**<10.2**	ug/L	25.0	10.2	25		04/04/13 18:12	108-90-7	
Chloroethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:12	75-00-3	
Chloroform	**<32.5**	ug/L	125	32.5	25		04/04/13 18:12	67-66-3	
Chloromethane	**<6.0**	ug/L	25.0	6.0	25		04/04/13 18:12	74-87-3	
Dibromochloromethane	**<20.2**	ug/L	25.0	20.2	25		04/04/13 18:12	124-48-1	
Dibromomethane	**<15.0**	ug/L	25.0	15.0	25		04/04/13 18:12	74-95-3	
Dichlorodifluoromethane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 18:12	75-71-8	
Diisopropyl ether	**<19.0**	ug/L	25.0	19.0	25		04/04/13 18:12	108-20-3	
Ethylbenzene	**815**	ug/L	25.0	13.5	25		04/04/13 18:12	100-41-4	
Hexachloro-1,3-butadiene	**<16.8**	ug/L	125	16.8	25		04/04/13 18:12	87-68-3	
Isopropylbenzene (Cumene)	**23.3J**	ug/L	25.0	14.8	25		04/04/13 18:12	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-3R **Lab ID: 4075587007** Collected: 03/26/13 15:40 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<15.2**	ug/L	25.0	15.2	25		04/04/13 18:12	1634-04-4	
Methylene Chloride	**<10.8**	ug/L	25.0	10.8	25		04/04/13 18:12	75-09-2	
Naphthalene	**145**	ug/L	125	22.2	25		04/04/13 18:12	91-20-3	
Styrene	**<21.5**	ug/L	25.0	21.5	25		04/04/13 18:12	100-42-5	
Tetrachloroethene	**<11.2**	ug/L	25.0	11.2	25		04/04/13 18:12	127-18-4	
Toluene	**3100**	ug/L	25.0	16.8	25		04/04/13 18:12	108-88-3	
Trichloroethene	**14.0J**	ug/L	25.0	12.0	25		04/04/13 18:12	79-01-6	
Trichlorofluoromethane	**<19.8**	ug/L	25.0	19.8	25		04/04/13 18:12	75-69-4	
Vinyl chloride	**248**	ug/L	25.0	4.5	25		04/04/13 18:12	75-01-4	
cis-1,2-Dichloroethene	**1890**	ug/L	25.0	20.8	25		04/04/13 18:12	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	25.0	5.0	25		04/04/13 18:12	10061-01-5	
m&p-Xylene	**2650**	ug/L	50.0	45.0	25		04/04/13 18:12	179601-23-1	
n-Butylbenzene	**<23.2**	ug/L	25.0	23.2	25		04/04/13 18:12	104-51-8	
n-Propylbenzene	**53.8**	ug/L	25.0	20.2	25		04/04/13 18:12	103-65-1	
o-Xylene	**1200**	ug/L	25.0	20.8	25		04/04/13 18:12	95-47-6	
p-Isopropyltoluene	**<16.8**	ug/L	25.0	16.8	25		04/04/13 18:12	99-87-6	
sec-Butylbenzene	**<22.2**	ug/L	125	22.2	25		04/04/13 18:12	135-98-8	
tert-Butylbenzene	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:12	98-06-6	
trans-1,2-Dichloroethene	**<22.2**	ug/L	25.0	22.2	25		04/04/13 18:12	156-60-5	
trans-1,3-Dichloropropene	**<4.8**	ug/L	25.0	4.8	25		04/04/13 18:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	43-137		25		04/04/13 18:12	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		25		04/04/13 18:12	1868-53-7	
Toluene-d8 (S)	101	%	55-137		25		04/04/13 18:12	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**1060**	mg/L	150	12.3	300		04/03/13 13:32	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-4 **Lab ID: 4075587008** Collected: 03/26/13 16:30 Received: 03/28/13 15:30 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		04/01/13 09:14	74-84-0	
Ethene	**96.9**	ug/L	5.0	0.30	1		04/01/13 09:14	74-85-1	
Methane	**9460**	ug/L	140	32.2	50		04/01/13 12:41	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<23.0**	ug/L	25.0	23.0	25		04/04/13 18:35	630-20-6	
1,1,1-Trichloroethane	**<22.5**	ug/L	25.0	22.5	25		04/04/13 18:35	71-55-6	
1,1,2,2-Tetrachloroethane	**<5.0**	ug/L	25.0	5.0	25		04/04/13 18:35	79-34-5	
1,1,2-Trichloroethane	**<10.5**	ug/L	25.0	10.5	25		04/04/13 18:35	79-00-5	
1,1-Dichloroethane	**<18.8**	ug/L	25.0	18.8	25		04/04/13 18:35	75-34-3	
1,1-Dichloroethene	**<14.2**	ug/L	25.0	14.2	25		04/04/13 18:35	75-35-4	
1,1-Dichloropropene	**<18.8**	ug/L	25.0	18.8	25		04/04/13 18:35	563-58-6	
1,2,3-Trichlorobenzene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 18:35	87-61-6	
1,2,3-Trichloropropane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 18:35	96-18-4	
1,2,4-Trichlorobenzene	**<24.2**	ug/L	125	24.2	25		04/04/13 18:35	120-82-1	
1,2,4-Trimethylbenzene	**490**	ug/L	25.0	24.2	25		04/04/13 18:35	95-63-6	
1,2-Dibromo-3-chloropropane	**<42.0**	ug/L	125	42.0	25		04/04/13 18:35	96-12-8	
1,2-Dibromoethane (EDB)	**<14.0**	ug/L	25.0	14.0	25		04/04/13 18:35	106-93-4	
1,2-Dichlorobenzene	**<20.8**	ug/L	25.0	20.8	25		04/04/13 18:35	95-50-1	
1,2-Dichloroethane	**<9.0**	ug/L	25.0	9.0	25		04/04/13 18:35	107-06-2	
1,2-Dichloropropane	**<12.2**	ug/L	25.0	12.2	25		04/04/13 18:35	78-87-5	
1,3,5-Trimethylbenzene	**144**	ug/L	25.0	20.8	25		04/04/13 18:35	108-67-8	
1,3-Dichlorobenzene	**<21.8**	ug/L	25.0	21.8	25		04/04/13 18:35	541-73-1	
1,3-Dichloropropane	**<15.2**	ug/L	25.0	15.2	25		04/04/13 18:35	142-28-9	
1,4-Dichlorobenzene	**<23.8**	ug/L	25.0	23.8	25		04/04/13 18:35	106-46-7	
2,2-Dichloropropane	**<15.5**	ug/L	25.0	15.5	25		04/04/13 18:35	594-20-7	
2-Chlorotoluene	**<21.2**	ug/L	25.0	21.2	25		04/04/13 18:35	95-49-8	
4-Chlorotoluene	**<18.5**	ug/L	25.0	18.5	25		04/04/13 18:35	106-43-4	
Benzene	**79.8**	ug/L	25.0	10.2	25		04/04/13 18:35	71-43-2	
Bromobenzene	**<20.5**	ug/L	25.0	20.5	25		04/04/13 18:35	108-86-1	
Bromochloromethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:35	74-97-5	
Bromodichloromethane	**<14.0**	ug/L	25.0	14.0	25		04/04/13 18:35	75-27-4	
Bromoform	**<23.5**	ug/L	25.0	23.5	25		04/04/13 18:35	75-25-2	
Bromomethane	**<22.8**	ug/L	25.0	22.8	25		04/04/13 18:35	74-83-9	
Carbon tetrachloride	**<12.2**	ug/L	25.0	12.2	25		04/04/13 18:35	56-23-5	
Chlorobenzene	**<10.2**	ug/L	25.0	10.2	25		04/04/13 18:35	108-90-7	
Chloroethane	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:35	75-00-3	
Chloroform	**<32.5**	ug/L	125	32.5	25		04/04/13 18:35	67-66-3	
Chloromethane	**<6.0**	ug/L	25.0	6.0	25		04/04/13 18:35	74-87-3	
Dibromochloromethane	**<20.2**	ug/L	25.0	20.2	25		04/04/13 18:35	124-48-1	
Dibromomethane	**<15.0**	ug/L	25.0	15.0	25		04/04/13 18:35	74-95-3	
Dichlorodifluoromethane	**<24.8**	ug/L	25.0	24.8	25		04/04/13 18:35	75-71-8	
Diisopropyl ether	**<19.0**	ug/L	25.0	19.0	25		04/04/13 18:35	108-20-3	
Ethylbenzene	**579**	ug/L	25.0	13.5	25		04/04/13 18:35	100-41-4	
Hexachloro-1,3-butadiene	**<16.8**	ug/L	125	16.8	25		04/04/13 18:35	87-68-3	
Isopropylbenzene (Cumene)	**21.7J**	ug/L	25.0	14.8	25		04/04/13 18:35	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: MW-4 **Lab ID: 4075587008** Collected: 03/26/13 16:30 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<15.2**	ug/L	25.0	15.2	25		04/04/13 18:35	1634-04-4	
Methylene Chloride	**<10.8**	ug/L	25.0	10.8	25		04/04/13 18:35	75-09-2	
Naphthalene	**63.6J**	ug/L	125	22.2	25		04/04/13 18:35	91-20-3	
Styrene	**<21.5**	ug/L	25.0	21.5	25		04/04/13 18:35	100-42-5	
Tetrachloroethene	**<11.2**	ug/L	25.0	11.2	25		04/04/13 18:35	127-18-4	
Toluene	**2010**	ug/L	25.0	16.8	25		04/04/13 18:35	108-88-3	
Trichloroethene	**<12.0**	ug/L	25.0	12.0	25		04/04/13 18:35	79-01-6	
Trichlorofluoromethane	**<19.8**	ug/L	25.0	19.8	25		04/04/13 18:35	75-69-4	
Vinyl chloride	**19.7J**	ug/L	25.0	4.5	25		04/04/13 18:35	75-01-4	
cis-1,2-Dichloroethene	**46.8**	ug/L	25.0	20.8	25		04/04/13 18:35	156-59-2	
cis-1,3-Dichloropropene	**<5.0**	ug/L	25.0	5.0	25		04/04/13 18:35	10061-01-5	
m&p-Xylene	**1800**	ug/L	50.0	45.0	25		04/04/13 18:35	179601-23-1	
n-Butylbenzene	**<23.2**	ug/L	25.0	23.2	25		04/04/13 18:35	104-51-8	
n-Propylbenzene	**52.0**	ug/L	25.0	20.2	25		04/04/13 18:35	103-65-1	
o-Xylene	**665**	ug/L	25.0	20.8	25		04/04/13 18:35	95-47-6	
p-Isopropyltoluene	**<16.8**	ug/L	25.0	16.8	25		04/04/13 18:35	99-87-6	
sec-Butylbenzene	**<22.2**	ug/L	125	22.2	25		04/04/13 18:35	135-98-8	
tert-Butylbenzene	**<24.2**	ug/L	25.0	24.2	25		04/04/13 18:35	98-06-6	
trans-1,2-Dichloroethene	**<22.2**	ug/L	25.0	22.2	25		04/04/13 18:35	156-60-5	
trans-1,3-Dichloropropene	**<4.8**	ug/L	25.0	4.8	25		04/04/13 18:35	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	43-137		25		04/04/13 18:35	460-00-4	
Dibromofluoromethane (S)	98	%	70-130		25		04/04/13 18:35	1868-53-7	
Toluene-d8 (S)	100	%	55-137		25		04/04/13 18:35	2037-26-5	
5310C TOC	Analytical Method: SM 5310C								
Total Organic Carbon	**266**	mg/L	30.0	2.5	60		04/02/13 18:59	7440-44-0	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: TRIP BLANK **Lab ID: 4075587009** Collected: 03/26/13 00:00 Received: 03/28/13 15:30 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		04/01/13 09:31	74-84-0	
Ethene	**<0.30**	ug/L	5.0	0.30	1		04/01/13 09:31	74-85-1	
Methane	**2.6J**	ug/L	2.8	0.64	1		04/01/13 09:31	74-82-8	
8260 MSV	Analytical Method: EPA 8260								
1,1,1,2-Tetrachloroethane	**<0.92**	ug/L	1.0	0.92	1		04/04/13 16:20	630-20-6	
1,1,1-Trichloroethane	**<0.90**	ug/L	1.0	0.90	1		04/04/13 16:20	71-55-6	
1,1,2,2-Tetrachloroethane	**<0.20**	ug/L	1.0	0.20	1		04/04/13 16:20	79-34-5	
1,1,2-Trichloroethane	**<0.42**	ug/L	1.0	0.42	1		04/04/13 16:20	79-00-5	
1,1-Dichloroethane	**<0.75**	ug/L	1.0	0.75	1		04/04/13 16:20	75-34-3	
1,1-Dichloroethene	**<0.57**	ug/L	1.0	0.57	1		04/04/13 16:20	75-35-4	
1,1-Dichloropropene	**<0.75**	ug/L	1.0	0.75	1		04/04/13 16:20	563-58-6	
1,2,3-Trichlorobenzene	**<0.74**	ug/L	1.0	0.74	1		04/04/13 16:20	87-61-6	
1,2,3-Trichloropropane	**<0.99**	ug/L	1.0	0.99	1		04/04/13 16:20	96-18-4	
1,2,4-Trichlorobenzene	**<0.97**	ug/L	5.0	0.97	1		04/04/13 16:20	120-82-1	
1,2,4-Trimethylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/04/13 16:20	95-63-6	
1,2-Dibromo-3-chloropropane	**<1.7**	ug/L	5.0	1.7	1		04/04/13 16:20	96-12-8	
1,2-Dibromoethane (EDB)	**<0.56**	ug/L	1.0	0.56	1		04/04/13 16:20	106-93-4	
1,2-Dichlorobenzene	**<0.83**	ug/L	1.0	0.83	1		04/04/13 16:20	95-50-1	
1,2-Dichloroethane	**<0.36**	ug/L	1.0	0.36	1		04/04/13 16:20	107-06-2	
1,2-Dichloropropane	**<0.49**	ug/L	1.0	0.49	1		04/04/13 16:20	78-87-5	
1,3,5-Trimethylbenzene	**<0.83**	ug/L	1.0	0.83	1		04/04/13 16:20	108-67-8	
1,3-Dichlorobenzene	**<0.87**	ug/L	1.0	0.87	1		04/04/13 16:20	541-73-1	
1,3-Dichloropropane	**<0.61**	ug/L	1.0	0.61	1		04/04/13 16:20	142-28-9	
1,4-Dichlorobenzene	**<0.95**	ug/L	1.0	0.95	1		04/04/13 16:20	106-46-7	
2,2-Dichloropropane	**<0.62**	ug/L	1.0	0.62	1		04/04/13 16:20	594-20-7	
2-Chlorotoluene	**<0.85**	ug/L	1.0	0.85	1		04/04/13 16:20	95-49-8	
4-Chlorotoluene	**<0.74**	ug/L	1.0	0.74	1		04/04/13 16:20	106-43-4	
Benzene	**<0.41**	ug/L	1.0	0.41	1		04/04/13 16:20	71-43-2	
Bromobenzene	**<0.82**	ug/L	1.0	0.82	1		04/04/13 16:20	108-86-1	
Bromochloromethane	**<0.97**	ug/L	1.0	0.97	1		04/04/13 16:20	74-97-5	
Bromodichloromethane	**<0.56**	ug/L	1.0	0.56	1		04/04/13 16:20	75-27-4	
Bromoform	**<0.94**	ug/L	1.0	0.94	1		04/04/13 16:20	75-25-2	
Bromomethane	**<0.91**	ug/L	1.0	0.91	1		04/04/13 16:20	74-83-9	
Carbon tetrachloride	**<0.49**	ug/L	1.0	0.49	1		04/04/13 16:20	56-23-5	
Chlorobenzene	**<0.41**	ug/L	1.0	0.41	1		04/04/13 16:20	108-90-7	
Chloroethane	**<0.97**	ug/L	1.0	0.97	1		04/04/13 16:20	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		04/04/13 16:20	67-66-3	
Chloromethane	**<0.24**	ug/L	1.0	0.24	1		04/04/13 16:20	74-87-3	
Dibromochloromethane	**<0.81**	ug/L	1.0	0.81	1		04/04/13 16:20	124-48-1	
Dibromomethane	**<0.60**	ug/L	1.0	0.60	1		04/04/13 16:20	74-95-3	
Dichlorodifluoromethane	**<0.99**	ug/L	1.0	0.99	1		04/04/13 16:20	75-71-8	
Diisopropyl ether	**<0.76**	ug/L	1.0	0.76	1		04/04/13 16:20	108-20-3	
Ethylbenzene	**<0.54**	ug/L	1.0	0.54	1		04/04/13 16:20	100-41-4	
Hexachloro-1,3-butadiene	**<0.67**	ug/L	5.0	0.67	1		04/04/13 16:20	87-68-3	
Isopropylbenzene (Cumene)	**<0.59**	ug/L	1.0	0.59	1		04/04/13 16:20	98-82-8	

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ANALYTICAL RESULTS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Sample: TRIP BLANK **Lab ID: 4075587009** Collected: 03/26/13 00:00 Received: 03/28/13 15:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Methyl-tert-butyl ether	**<0.61**	ug/L	1.0	0.61	1		04/04/13 16:20	1634-04-4	
Methylene Chloride	**<0.43**	ug/L	1.0	0.43	1		04/04/13 16:20	75-09-2	
Naphthalene	**<0.89**	ug/L	5.0	0.89	1		04/04/13 16:20	91-20-3	
Styrene	**<0.86**	ug/L	1.0	0.86	1		04/04/13 16:20	100-42-5	
Tetrachloroethene	**<0.45**	ug/L	1.0	0.45	1		04/04/13 16:20	127-18-4	
Toluene	**<0.67**	ug/L	1.0	0.67	1		04/04/13 16:20	108-88-3	
Trichloroethene	**<0.48**	ug/L	1.0	0.48	1		04/04/13 16:20	79-01-6	
Trichlorofluoromethane	**<0.79**	ug/L	1.0	0.79	1		04/04/13 16:20	75-69-4	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/04/13 16:20	75-01-4	
cis-1,2-Dichloroethene	**<0.83**	ug/L	1.0	0.83	1		04/04/13 16:20	156-59-2	
cis-1,3-Dichloropropene	**<0.20**	ug/L	1.0	0.20	1		04/04/13 16:20	10061-01-5	
m&p-Xylene	**<1.8**	ug/L	2.0	1.8	1		04/04/13 16:20	179601-23-1	
n-Butylbenzene	**<0.93**	ug/L	1.0	0.93	1		04/04/13 16:20	104-51-8	
n-Propylbenzene	**<0.81**	ug/L	1.0	0.81	1		04/04/13 16:20	103-65-1	
o-Xylene	**<0.83**	ug/L	1.0	0.83	1		04/04/13 16:20	95-47-6	
p-Isopropyltoluene	**<0.67**	ug/L	1.0	0.67	1		04/04/13 16:20	99-87-6	
sec-Butylbenzene	**<0.89**	ug/L	5.0	0.89	1		04/04/13 16:20	135-98-8	
tert-Butylbenzene	**<0.97**	ug/L	1.0	0.97	1		04/04/13 16:20	98-06-6	
trans-1,2-Dichloroethene	**<0.89**	ug/L	1.0	0.89	1		04/04/13 16:20	156-60-5	
trans-1,3-Dichloropropene	**<0.19**	ug/L	1.0	0.19	1		04/04/13 16:20	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	43-137		1		04/04/13 16:20	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/04/13 16:20	1868-53-7	
Toluene-d8 (S)	101	%	55-137		1		04/04/13 16:20	2037-26-5	

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

QC Batch: GCV/10004 Analysis Method: EPA 8015B Modified
QC Batch Method: EPA 8015B Modified Analysis Description: Methane, Ethane, Ethene GCV
Associated Lab Samples: 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008, 4075587009

METHOD BLANK: 767668 Matrix: Water
Associated Lab Samples: 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008, 4075587009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethane	ug/L	<0.36	5.6	04/01/13 07:34	
Ethene	ug/L	<0.30	5.0	04/01/13 07:34	
Methane	ug/L	<0.64	2.8	04/01/13 07:34	

LABORATORY CONTROL SAMPLE & LCSD: 767669 767670

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Ethane	ug/L	56.2	57.1	57.1	102	102	76-120	0	20	
Ethene	ug/L	50.5	52.7	52.4	104	104	74-120	1	20	
Methane	ug/L	28.6	28.7	28.6	100	100	77-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 767819 767820

Parameter	Units	4075664002 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	53.2	54.8	95	97	76-120	3	20	
Ethene	ug/L	<0.30	50.5	50.5	49.7	50.5	98	100	73-120	2	20	
Methane	ug/L	150	28.6	28.6	105	115	-159	-122	63-129	10	20	M1

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

QC Batch: MSV/19026 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 4075587001, 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008, 4075587009

METHOD BLANK: 766918 Matrix: Water
Associated Lab Samples: 4075587001, 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008, 4075587009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.92	1.0	04/04/13 07:14	
1,1,1-Trichloroethane	ug/L	<0.90	1.0	04/04/13 07:14	
1,1,2,2-Tetrachloroethane	ug/L	<0.20	1.0	04/04/13 07:14	
1,1,2-Trichloroethane	ug/L	<0.42	1.0	04/04/13 07:14	
1,1-Dichloroethane	ug/L	<0.75	1.0	04/04/13 07:14	
1,1-Dichloroethene	ug/L	<0.57	1.0	04/04/13 07:14	
1,1-Dichloropropene	ug/L	<0.75	1.0	04/04/13 07:14	
1,2,3-Trichlorobenzene	ug/L	<0.74	1.0	04/04/13 07:14	
1,2,3-Trichloropropane	ug/L	<0.99	1.0	04/04/13 07:14	
1,2,4-Trichlorobenzene	ug/L	<0.97	5.0	04/04/13 07:14	
1,2,4-Trimethylbenzene	ug/L	<0.97	1.0	04/04/13 07:14	
1,2-Dibromo-3-chloropropane	ug/L	<1.7	5.0	04/04/13 07:14	
1,2-Dibromoethane (EDB)	ug/L	<0.56	1.0	04/04/13 07:14	
1,2-Dichlorobenzene	ug/L	<0.83	1.0	04/04/13 07:14	
1,2-Dichloroethane	ug/L	<0.36	1.0	04/04/13 07:14	
1,2-Dichloropropane	ug/L	<0.49	1.0	04/04/13 07:14	
1,3,5-Trimethylbenzene	ug/L	<0.83	1.0	04/04/13 07:14	
1,3-Dichlorobenzene	ug/L	<0.87	1.0	04/04/13 07:14	
1,3-Dichloropropane	ug/L	<0.61	1.0	04/04/13 07:14	
1,4-Dichlorobenzene	ug/L	<0.95	1.0	04/04/13 07:14	
2,2-Dichloropropane	ug/L	<0.62	1.0	04/04/13 07:14	
2-Chlorotoluene	ug/L	<0.85	1.0	04/04/13 07:14	
4-Chlorotoluene	ug/L	<0.74	1.0	04/04/13 07:14	
Benzene	ug/L	<0.41	1.0	04/04/13 07:14	
Bromobenzene	ug/L	<0.82	1.0	04/04/13 07:14	
Bromochloromethane	ug/L	<0.97	1.0	04/04/13 07:14	
Bromodichloromethane	ug/L	<0.56	1.0	04/04/13 07:14	
Bromoform	ug/L	<0.94	1.0	04/04/13 07:14	
Bromomethane	ug/L	<0.91	1.0	04/04/13 07:14	
Carbon tetrachloride	ug/L	<0.49	1.0	04/04/13 07:14	
Chlorobenzene	ug/L	<0.41	1.0	04/04/13 07:14	
Chloroethane	ug/L	<0.97	1.0	04/04/13 07:14	
Chloroform	ug/L	<1.3	5.0	04/04/13 07:14	
Chloromethane	ug/L	<0.24	1.0	04/04/13 07:14	
cis-1,2-Dichloroethene	ug/L	<0.83	1.0	04/04/13 07:14	
cis-1,3-Dichloropropene	ug/L	<0.20	1.0	04/04/13 07:14	
Dibromochloromethane	ug/L	<0.81	1.0	04/04/13 07:14	
Dibromomethane	ug/L	<0.60	1.0	04/04/13 07:14	
Dichlorodifluoromethane	ug/L	<0.99	1.0	04/04/13 07:14	
Diisopropyl ether	ug/L	<0.76	1.0	04/04/13 07:14	
Ethylbenzene	ug/L	<0.54	1.0	04/04/13 07:14	

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

METHOD BLANK: 766918 Matrix: Water

Associated Lab Samples: 4075587001, 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008, 4075587009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<0.67	5.0	04/04/13 07:14	
Isopropylbenzene (Cumene)	ug/L	<0.59	1.0	04/04/13 07:14	
m&p-Xylene	ug/L	<1.8	2.0	04/04/13 07:14	
Methyl-tert-butyl ether	ug/L	<0.61	1.0	04/04/13 07:14	
Methylene Chloride	ug/L	<0.43	1.0	04/04/13 07:14	
n-Butylbenzene	ug/L	<0.93	1.0	04/04/13 07:14	
n-Propylbenzene	ug/L	<0.81	1.0	04/04/13 07:14	
Naphthalene	ug/L	<0.89	5.0	04/04/13 07:14	
o-Xylene	ug/L	<0.83	1.0	04/04/13 07:14	
p-Isopropyltoluene	ug/L	<0.67	1.0	04/04/13 07:14	
sec-Butylbenzene	ug/L	<0.89	5.0	04/04/13 07:14	
Styrene	ug/L	<0.86	1.0	04/04/13 07:14	
tert-Butylbenzene	ug/L	<0.97	1.0	04/04/13 07:14	
Tetrachloroethene	ug/L	<0.45	1.0	04/04/13 07:14	
Toluene	ug/L	<0.67	1.0	04/04/13 07:14	
trans-1,2-Dichloroethene	ug/L	<0.89	1.0	04/04/13 07:14	
trans-1,3-Dichloropropene	ug/L	<0.19	1.0	04/04/13 07:14	
Trichloroethene	ug/L	<0.48	1.0	04/04/13 07:14	
Trichlorofluoromethane	ug/L	<0.79	1.0	04/04/13 07:14	
Vinyl chloride	ug/L	<0.18	1.0	04/04/13 07:14	
4-Bromofluorobenzene (S)	%	100	43-137	04/04/13 07:14	
Dibromofluoromethane (S)	%	101	70-130	04/04/13 07:14	
Toluene-d8 (S)	%	98	55-137	04/04/13 07:14	

LABORATORY CONTROL SAMPLE & LCSD: 766919 766920

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	55.5	55.0	111	110	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	50	51.3	51.0	103	102	70-130	1	20	
1,1,2-Trichloroethane	ug/L	50	53.8	53.9	108	108	70-130	0	20	
1,1-Dichloroethane	ug/L	50	55.1	54.6	110	109	70-146	1	20	
1,1-Dichloroethene	ug/L	50	54.6	53.7	109	107	70-130	2	20	
1,2,4-Trichlorobenzene	ug/L	50	53.7	52.4	107	105	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	50	50.0	49.1	100	98	46-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	50	53.6	54.4	107	109	70-130	2	20	
1,2-Dichlorobenzene	ug/L	50	51.3	50.3	103	101	70-130	2	20	
1,2-Dichloroethane	ug/L	50	59.2	58.3	118	117	70-144	2	20	
1,2-Dichloropropane	ug/L	50	57.2	56.9	114	114	70-136	0	20	
1,3-Dichlorobenzene	ug/L	50	50.7	49.8	101	100	70-130	2	20	
1,4-Dichlorobenzene	ug/L	50	50.6	49.9	101	100	70-130	1	20	
Benzene	ug/L	50	56.8	56.4	114	113	70-137	1	20	
Bromodichloromethane	ug/L	50	59.2	59.3	118	119	70-133	0	20	
Bromoform	ug/L	50	48.0	48.0	96	96	59-130	0	20	
Bromomethane	ug/L	50	45.1	48.2	90	96	41-148	7	20	

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

LABORATORY CONTROL SAMPLE & LCSD: 766919 766920

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	ug/L	50	58.4	56.8	117	114	70-154	3	20	
Chlorobenzene	ug/L	50	52.9	52.9	106	106	70-130	0	20	
Chloroethane	ug/L	50	54.5	53.1	109	106	70-139	3	20	
Chloroform	ug/L	50	58.0	56.9	116	114	70-130	2	20	
Chloromethane	ug/L	50	51.4	51.3	103	103	45-154	0	20	
cis-1,2-Dichloroethene	ug/L	50	54.0	53.4	108	107	70-130	1	20	
cis-1,3-Dichloropropene	ug/L	50	47.8	48.0	96	96	70-136	0	20	
Dibromochloromethane	ug/L	50	50.0	50.2	100	100	70-130	0	20	
Dichlorodifluoromethane	ug/L	50	42.8	41.8	86	84	20-157	2	20	
Ethylbenzene	ug/L	50	56.0	55.8	112	112	70-130	0	20	
Isopropylbenzene (Cumene)	ug/L	50	56.0	55.7	112	111	70-130	1	20	
m&p-Xylene	ug/L	100	112	112	112	112	70-130	0	20	
Methyl-tert-butyl ether	ug/L	50	48.4	48.2	97	96	59-141	0	20	
Methylene Chloride	ug/L	50	53.8	53.3	108	107	70-130	1	20	
o-Xylene	ug/L	50	56.4	55.7	113	111	70-130	1	20	
Styrene	ug/L	50	55.9	56.1	112	112	70-130	0	20	
Tetrachloroethene	ug/L	50	52.1	50.9	104	102	70-130	2	20	
Toluene	ug/L	50	54.2	53.8	108	108	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	50	55.0	54.9	110	110	70-130	0	20	
trans-1,3-Dichloropropene	ug/L	50	49.3	49.6	99	99	55-135	1	20	
Trichloroethene	ug/L	50	58.5	57.8	117	116	70-130	1	20	
Trichlorofluoromethane	ug/L	50	53.9	52.0	108	104	50-150	3	20	
Vinyl chloride	ug/L	50	51.8	51.7	104	103	61-143	0	20	
4-Bromofluorobenzene (S)	%				105	105	43-137			
Dibromofluoromethane (S)	%				102	103	70-130			
Toluene-d8 (S)	%				98	98	55-137			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 769044 769045

Parameter	Units	4075587002 Result	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	<4.5	50	50	56.6	58.2	113	116	70-136	3	20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	53.2	53.7	106	107	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<2.1	50	50	53.5	54.1	107	108	70-130	1	20	
1,1-Dichloroethane	ug/L	<3.8	50	50	55.5	56.7	111	113	70-146	2	20	
1,1-Dichloroethene	ug/L	<2.8	50	50	55.8	56.6	110	112	70-130	1	20	
1,2,4-Trichlorobenzene	ug/L	<4.8	50	50	56.4	57.4	113	115	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<8.4	50	50	52.7	54.9	105	110	46-150	4	20	
1,2-Dibromoethane (EDB)	ug/L	<2.8	50	50	54.9	54.9	110	110	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<4.2	50	50	52.8	53.4	106	107	70-130	1	20	
1,2-Dichloroethane	ug/L	<1.8	50	50	58.5	59.5	117	119	70-146	2	20	
1,2-Dichloropropane	ug/L	<2.4	50	50	56.1	57.9	112	116	70-136	3	20	
1,3-Dichlorobenzene	ug/L	<4.4	50	50	52.0	52.7	104	105	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<4.8	50	50	50.6	51.2	101	102	70-130	1	20	
Benzene	ug/L	2.6J	50	50	60.0	61.1	115	117	70-137	2	20	
Bromodichloromethane	ug/L	<2.8	50	50	59.2	59.4	118	119	70-133	0	20	
Bromoform	ug/L	<4.7	50	50	48.9	49.7	98	99	57-130	2	20	

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 769044 769045

Parameter	Units	4075587002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Bromomethane	ug/L	<4.6	50	50	48.1	46.8	96	94	41-148	3	20	
Carbon tetrachloride	ug/L	<2.4	50	50	59.8	59.9	120	120	70-154	0	20	
Chlorobenzene	ug/L	<2.0	50	50	53.0	53.0	106	106	70-130	0	20	
Chloroethane	ug/L	<4.8	50	50	56.6	56.7	113	113	70-140	0	20	
Chloroform	ug/L	<6.5	50	50	58.2	58.3	116	117	70-130	0	20	
Chloromethane	ug/L	<1.2	50	50	50.4	52.6	101	105	45-154	4	20	
cis-1,2-Dichloroethene	ug/L	409	50	50	463	489	108	159	70-130	5	20	E,M1
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	48.7	49.6	97	99	70-136	2	20	
Dibromochloromethane	ug/L	<4.0	50	50	50.3	51.0	101	102	70-130	1	20	
Dichlorodifluoromethane	ug/L	<5.0	50	50	44.6	44.1	89	88	10-157	1	20	
Ethylbenzene	ug/L	18.6	50	50	79.9	80.5	123	124	70-130	1	20	
Isopropylbenzene (Cumene)	ug/L	<3.0	50	50	58.0	58.8	114	116	70-130	1	20	
m&p-Xylene	ug/L	19.2	100	100	140	141	121	121	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<3.0	50	50	48.9	51.4	98	103	59-141	5	20	
Methylene Chloride	ug/L	<2.2	50	50	54.1	55.2	108	110	70-130	2	20	
o-Xylene	ug/L	10.4	50	50	72.1	72.4	123	124	70-130	0	20	
Styrene	ug/L	<4.3	50	50	56.8	57.4	114	115	35-164	1	20	
Tetrachloroethene	ug/L	27.9	50	50	81.1	80.7	106	106	70-130	0	20	
Toluene	ug/L	36.1	50	50	95.9	94.7	120	117	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	<4.4	50	50	57.4	58.3	109	111	70-130	2	20	
trans-1,3-Dichloropropene	ug/L	<0.95	50	50	50.7	50.3	101	101	55-137	1	20	
Trichloroethene	ug/L	104	50	50	163	165	116	121	70-130	1	20	
Trichlorofluoromethane	ug/L	<4.0	50	50	55.1	55.2	110	110	50-150	0	20	
Vinyl chloride	ug/L	87.8	50	50	149	158	123	140	59-144	6	20	
4-Bromofluorobenzene (S)	%						104	105	43-137			
Dibromofluoromethane (S)	%						103	103	70-130			
Toluene-d8 (S)	%						97	97	55-137			

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QUALITY CONTROL DATA

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

QC Batch: WETA/16848 Analysis Method: SM 5310C
QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon
Associated Lab Samples: 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008

METHOD BLANK: 767680 Matrix: Water
Associated Lab Samples: 4075587002, 4075587003, 4075587004, 4075587005, 4075587006, 4075587007, 4075587008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.041	0.50	04/02/13 03:28	

LABORATORY CONTROL SAMPLE: 767681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	2.5	2.4	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 767682 767683

Parameter	Units	4075586015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	9.9	25	25	39.1	39.0	117	116	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 767684 767685

Parameter	Units	4075587002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Total Organic Carbon	mg/L	14.2	50	50	71.7	71.2	115	114	80-120	1	20	

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QUALIFIERS

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 21-28166A REEDSBURG CLEANERS
Pace Project No.: 4075587

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4075587002	**MW-6**	EPA 8015B Modified	GCV/10004		
4075587003	**MW-10**	EPA 8015B Modified	GCV/10004		
4075587004	**MW-5**	EPA 8015B Modified	GCV/10004		
4075587005	**MW-7**	EPA 8015B Modified	GCV/10004		
4075587006	**MW-2**	EPA 8015B Modified	GCV/10004		
4075587007	**MW-3R**	EPA 8015B Modified	GCV/10004		
4075587008	**MW-4**	EPA 8015B Modified	GCV/10004		
4075587009	**TRIP BLANK**	EPA 8015B Modified	GCV/10004		
4075587001	**MW-8**	EPA 8260	MSV/19026		
4075587002	**MW-6**	EPA 8260	MSV/19026		
4075587003	**MW-10**	EPA 8260	MSV/19026		
4075587004	**MW-5**	EPA 8260	MSV/19026		
4075587005	**MW-7**	EPA 8260	MSV/19026		
4075587006	**MW-2**	EPA 8260	MSV/19026		
4075587007	**MW-3R**	EPA 8260	MSV/19026		
4075587008	**MW-4**	EPA 8260	MSV/19026		
4075587009	**TRIP BLANK**	EPA 8260	MSV/19026		
4075587002	**MW-6**	SM 5310C	WETA/16848		
4075587003	**MW-10**	SM 5310C	WETA/16848		
4075587004	**MW-5**	SM 5310C	WETA/16848		
4075587005	**MW-7**	SM 5310C	WETA/16848		
4075587006	**MW-2**	SM 5310C	WETA/16848		
4075587007	**MW-3R**	SM 5310C	WETA/16848		
4075587008	**MW-4**	SM 5310C	WETA/16848		

Figure B1 - Molar Concentrations of VOCs at Well MW-3R
Reedsburg Cleaners Site - Reedsburg, Wisconsin

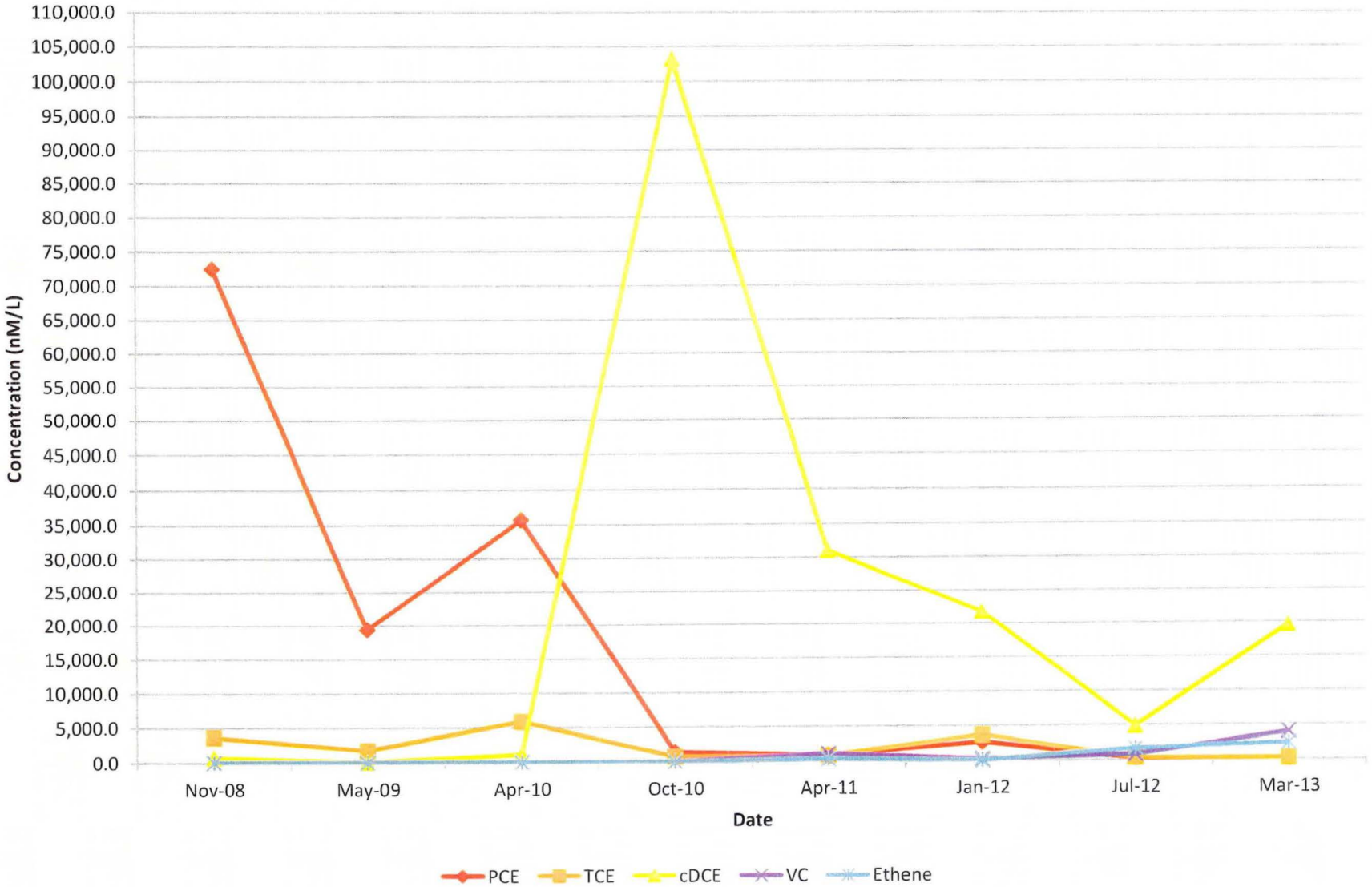

Figure B2 - Molar Fractions of VOCs at Well MW-3R
Reedsburg Cleaners Site - Reedsburg, Wisconsin

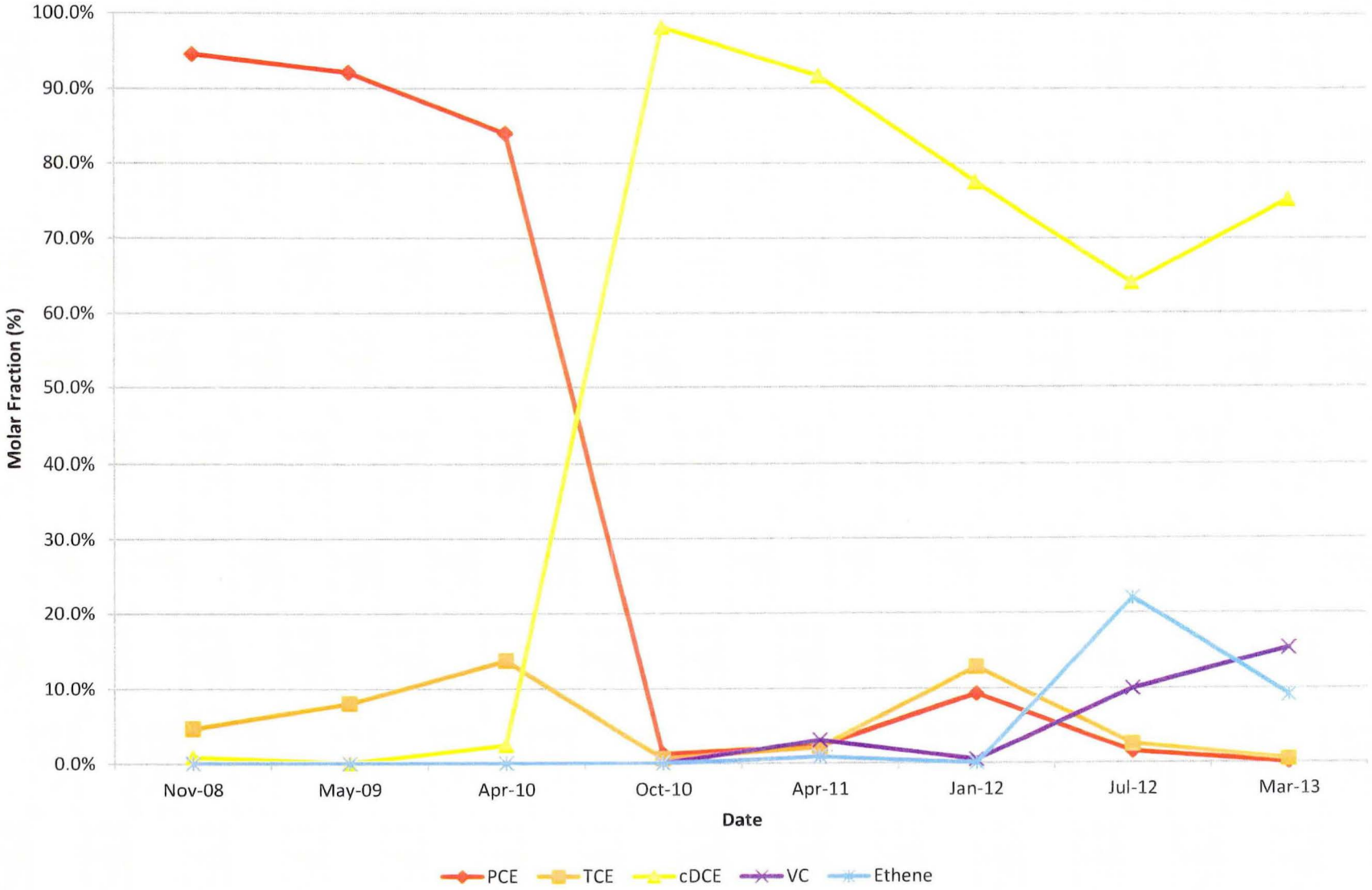

Figure B3 - Molar Concentrations of VOCs at Well MW-5
Reedsburg Cleaners Site - Reedsburg, Wisconsin

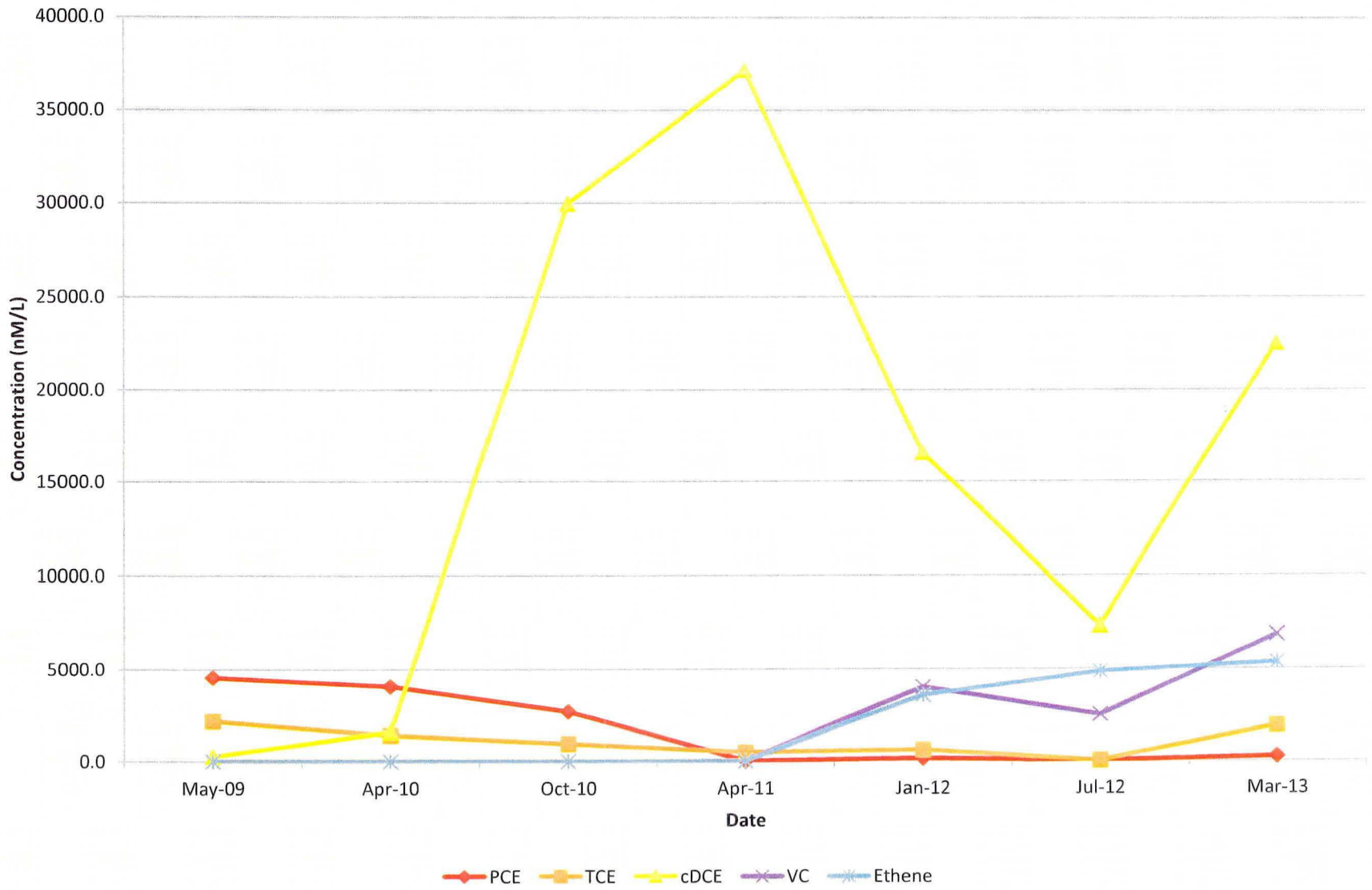

Figure B4 - Molar Fractions of VOCs at Well MW-5
Reedsburg Cleaners Site - Reedsburg, Wisconsin