Haley & Aldrich of New York
200 Town Centre Drive
Suite 2
Rochester, NY 14623-4264

Tel: 585.359.9000
Fax: 585.359.4650
HaleyAldrich.com

19 October 2009
File No. 70665-016

Frank Sowers, P.E.
New York State Department of Environmental Conservation
6274 East Avon-Lima Rd.
Avon, NY 14414

Subject: CooperVision – **Remediation Progress Report**
711 North Road
Scottsville, NY
VCA #V00175-8

Dear Mr. Sowers:

This letter constitutes the eleventh remediation progress report under the Voluntary Cleanup Agreement (VCA) between Coopervision, Inc. and the New York State Department of Environmental Conservation (NYSDEC) for the site's remediation operation and maintenance. This report covers the period of January 2009 through June 2009.

ACTIVITIES PERFORMED DURING PAST 6 MONTHS:

Groundwater Sampling

Groundwater samples were collected during the period 23 – 24 April 2009 and the results are summarized in this report.

Samples were analyzed according to the Proposed 2004 Remediation Groundwater Schedule submitted with the remediation progress report dated 10 December 2003. A copy of the analytical results of the April 2009 sampling event is attached and is summarized in Tables 1 through 4. Groundwater contours are shown in Figure 1.

Indoor Air/Sub-Slab Vapor Intrusion Investigation

A vapor intrusion investigation was performed within selected tenant spaces in the two apartment/townhouse complexes located across Briarwood Lane (east side of the CooperVision Property) in accordance with the CooperVision Sub Slab Vapor & Indoor Air Investigation Work Plan dated 4 February 2009.

Field work was conducted in three events (28-30 January 2009, 8-10 February 2009, and 25-27 February 2009) as per access agreements with the property owners. Note that due to those access restrictions, the 28-30 January sampling event occurred before the Sub Slab Vapor & Indoor Air Investigation Work Plan was approved.

The results of that sampling indicated that target VOCs (vinyl chloride, Chloroethane, 1,1-DCE, 1,1-DCA, and 1,1,1-TCA), were not detected above laboratory reporting limits. According to the Soil

Vapor/Indoor Air Matrices included as part of the NYSDOH Guidance, no further action is necessary with respect to vapor intrusion monitoring or mitigating at the adjacent residential properties. The indoor air and sub-slab vapor testing events, as well as all previously conducted soil vapor testing events are further summarized in the following reports previously submitted to and approved by the NYSDEC:

- *Revised* Soil Vapor Investigation Results Report, dated 11 September 2009.
- *Revised* Soil Vapor Investigation Results Report Addendum, dated 11 September 2009.

RESULTS OF SAMPLING TO DATE:

Groundwater Sampling

This report provides a summary of the analytical results from the April 2009 sampling event. Updated summary tables, associated time series charts, groundwater contours, and laboratory analytical reports are attached.

Overall and consistent with previous sampling events, site data indicate that enhanced biodegradation processes continue to be active as evidenced the overall trends in contaminants (decreases in parent compounds and corresponding increases in daughter product concentrations, plus trends and stability of other biodegradation indicator parameters.

Metabolic acids (HRC biological breakdown products) remain present in the source and mid-gradient areas which indicate that hydrogen (electron donor) remains available to fuel the reductive dechlorination process.

The following paragraphs describe specific results:

Source Area (Refer to Table 1 and Table 4)

Wells in the source area continue to show evidence that biological degradation continues to be active. In lieu of discussing each source area well separately, the following discussion focuses on well MW-205. The conditions present at this well have historically been representative of the conditions in the source area as a whole and streamlines the discussion of the data.

- MW-205 is the only site well with remaining higher than detectable concentrations of the source contaminant 1,1,1-TCA. The concentration of 1,1,1-TCA decreased slightly in MW-205 since the previous sampling event. This result concurs with the general observable trend over time that 1,1,1-TCA increases during the fall sampling event and decreases during the spring event. This could be a result of seasonal fluctuations, natural "saw-toothing" associated with biological degradation (contaminants desorb and then biodegrade, etc.), or a combination of both. What is important to note, is that overall, the concentration of 1,1,1-TCA has decreased significantly over time since, and due to, the HRC injection.

- Since April 2004, 1,1-DCA has generally shown an increase over time, which is expected as 1,1-DCA is a biological breakdown product of 1,1,1-TCA and is generated as this biodegradation occurs. However, the trends for 1,1-DCA since November 2007 show a decrease in concentration indicating this compound is not "stacking" within the aquifer and appears to be degrading completely. As with

previous sampling events, chloroethane, the daughter product of 1,1-DCA has not been detected in MW-205, though this is likely due to possible detections being "masked" by high laboratory detection limits. Both chloride ion and ethane were detected in MW-205, however, which are the completion products of the reductive dechlorination process for 1,1,1-TCA as shown below:

Dechlorination of 1,1,1-Trichloroethane:

$$1{,}1{,}1-TCA \rightarrow DCA \rightarrow Chloroethane \rightarrow Ethane \,\&\, Chloride$$

- Metabolic acids continue to be present in significant amounts indicating that the Hydrogen Release Compound continues to effectively liberate hydrogen into the groundwater for enhancement of the biodegradation processes.

- Also notable in the source area is the continued presence of dissolved organic carbon in high levels (increased since the previous sampling event) and high alkalinity, as well as the low redox values. The high dissolved organic carbon is an indicator that the effects of the Hydrogen Release Compound continues to be dispersed within the aquifer, and the low redox values indicate that aquifer conditions continue to be anaerobic in the source area, which is conducive to reductive dechlorination. MW-205 has historically also had low dissolved oxygen values, though during the April 2009 sampling event, it was noted to be uncharacteristically high. This is probably due to interference from atmospheric air during sampling. This condition will continue to be monitored.

- In other indicator source area wells OWD-302-D and OWS-302-S, metabolic acids continue to be detected, particularly in OWS-302-S. This is further indication the Hydrogen Release Compound-stimulated conditions continue to be effective in the source area.

- Note that in indicator source area wells OWD-302-D and OWS-302S, several parameters including redox values, and/or inorganic compounds could not be analyzed during this sampling event because those wells did not have adequate water volume remaining to allow for measurements and/or sample collection for those parameters.

Mid-gradient Area (Refer to Table 2 and Table 4)

- Overall, mid-gradient conditions are steady and are similar to recent groundwater monitoring events.

- 1,1,1-TCA was detected in one mid-gradient well (MW-2) very low (0.0059 mg/L) and near regulatory criteria values.

- In the mid-gradient area, 1,1-DCA concentrations remain steady or declining with three mid-gradient wells exhibiting detectable concentrations. The concentrations of 1,1-DCA remained steady in well MW-3, decreased by two orders of magnitude in MW-2, and continued to be not detected in MW-502.

- Chloroethane, the breakdown product of 1,1-DCA, continues to be present in all wells. Ethane was not detected in mid-gradient wells during this sampling event, though chloride ion was detected in the three wells in which it was sampled. Ethane is highly volatile, and concentrations of ethane can

be difficult to quantify. The chloroethane and chloride ion detections are indicators that reductive dechlorination is continuing to move towards completion.

- Metabolic acids are still present in the mid-gradient area in MW-3 and MW-502, though they continue to decrease in concentration. As with the source area, dissolved organic carbon continues to be present in the mid-gradient area (Table 4). These are both indicators that the effects of the HRC are still present in the mid-gradient area.

Down-gradient Area (Refer to Table 3)

- Overall, down-gradient conditions are steady and are similar to recent groundwater monitoring events.

- 1,1,1-TCA concentrations were not detected above laboratory reporting limits in the downgradient wells sampled.

- 1,1-DCA was detected in wells MW-202 and MW-204 at concentrations slightly higher than groundwater standards (0.0093 and 0.0056 ug/L respectively).

- Chloroethane was not detected in the down-gradient wells.

- VOCs were not detected above laboratory reporting limits in B304-OW, MW-203 and MW-402.

In summary, results of the April 2009 sampling indicate dechlorination remains ongoing, and as supported by past results, is not indicative of plume expansion. Because dechlorination processes remain active and productive, additional injections of the HRC are not necessary nor are they recommended.

Indoor Air & Sub-Slab Vapor Sampling

The results of the January and February indoor air and sub-slab vapor sampling (described above) indicated that target VOCs (vinyl chloride, Chloroethane, 1,1-DCE, 1,1-DCA, and 1,1,1-TCA), were not detected above laboratory reporting limits. According to the Soil Vapor/Indoor Air Matrices included as part of the NYSDOH Guidance, no further action is necessary with respect to vapor intrusion monitoring or mitigating with in the adjacent residential properties. Further details and summary data tables associated with the indoor air and sub-slab vapor testing events, as well as all previously conducted soil vapor testing events were included in the following reports submitted to and approved by the NYSDEC:

- *Revised* Soil Vapor Investigation Results Report, dated 11 September 2009.
- *Revised* Soil Vapor Investigation Results Report Addendum, dated 11 September 2009.

REPORTS AND DELIVERABLES:

The following reports and deliverables were prepared and submitted to the NYSDEC during the reporting period:

- "Sub Slab Vapor & Indoor Air Investigation Work Plan" dated 4 February 2009 (approved 5 February 2009)

- "Soil Vapor Investigation Results Addendum" dated 12 June 2009.
- "Final Engineering Report" dated 19 June 2009
- "Site Management Plan" dated 29 July 2009

Per comments received from the NYSDEC in a letter dated, 28 August 2009, the following reports were revised and resubmitted to the NYSDEC in final form as directed by NYSDEC:

- *Revised* Soil Vapor Investigation Results Report, dated 11 September 2009.
- *Revised* Soil Vapor Investigation Results Report Addendum, dated 11 September 2009.

UPCOMING SCHEDULE:

A Final Engineering Report and Site Management Plan were submitted for the property in June 2009. Comments from the NYSDEC are pending.

Please do not hesitate to call if you have any questions or comments.

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

Mark N. Ramsdell, P.E.
Senior Engineer

Vincent B. Dick
Vice President

Attachments: Distribution
Table 1 – Summary of Volatile Gases and Dissolved Gases – Source Area Wells
Table 2 – Summary of Volatile Gases and Dissolved Gases – Mid-gradient Wells
Table 3 – Summary of Volatile Gases and Dissolved Gases – Down-gradient Wells
Table 4 – Additional Analytical Parameter Summary
Figure 1 – Groundwater Contour Plan
Laboratory Analytical Reports

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TABLE 1
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	OWD-302D																					
Well Screen Interval (ft):	32.5 - 33.5																					
Date Sampled:	6/1/99	10/26/99	4/28/00	7/19/01	10/18/01	1/30/02	4/9/02	7/31/02	10/15/02	1/28/03	4/7/03	10/29/03	4/8/04	10/27/04	4/8/05	10/11/05	5/16/06	10/19/06	4/24/07	11/14/07	4/30/08	10/15/08	4/23/09
Compound:																						
VOLATILE ORGANICS																2X Dil.	5x Dil.	2x Dil.	5x Dil.	5x Dil.	2x Dil.	5x Dil.
Acetone	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**54 D**	**1**	**0.63**	**3.1 D**	**1.7 D**	**0.57**	**1.2 D**	**0.24**	**0.97 D**	**0.51**	**12 D**	**0.46**	**0.76 D**	ND	**0.65**	**0.4 E**	**0.48**	**0.2**	**0.44 D**	**0.96 D**	ND	**0.11**	**0.51**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.026**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**110 D**	**0.021**	ND	**0.016**	ND	ND	**0.046**	ND	ND	ND	**0.16**	ND	ND	ND	ND	ND	ND	ND	ND	**0.24**	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	**0.0059**	ND	ND	ND	ND	ND	ND	**0.025**	ND	ND	**3.2**	ND	**0.041**	**0.046**	**0.021**	**0.048**	**0.016**	ND	**0.024**	**0.069**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7.1 D**	ND	ND	**15**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
SEMI-VOLATILE ORGANICS																							
Bis(2-ethylhexyl) pthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																					5x Dil.		100x Dil.
Methane	NA	NA	NA	**0.038**	**0.016**	**0.013**	NA	ND	**0.0062**	**0.03**	**0.014**	NA	**0.002**	**0.77**	**0.013**	**0.031**	**0.043**	**0.05**	**0.056**	**0.036**	**0.3**	**0.033**	**3.4**
Ethane	NA	NA	NA	**0.015**	**0.0045**	**0.0041**	NA	ND	**0.0012**	**0.0083**	**0.0038**	NA	**0.001**	ND	ND	**0.0068**	**0.0056**	**0.0012**	**0.0051**	**0.0036**	ND	**0.0017**	**ND**
Ethene	NA	NA	NA	**0.0013**	ND	ND	NA	ND	ND	ND	**0.0015**	NA	ND	ND	ND	**0.001**	ND	ND	ND	ND	ND	ND	ND

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

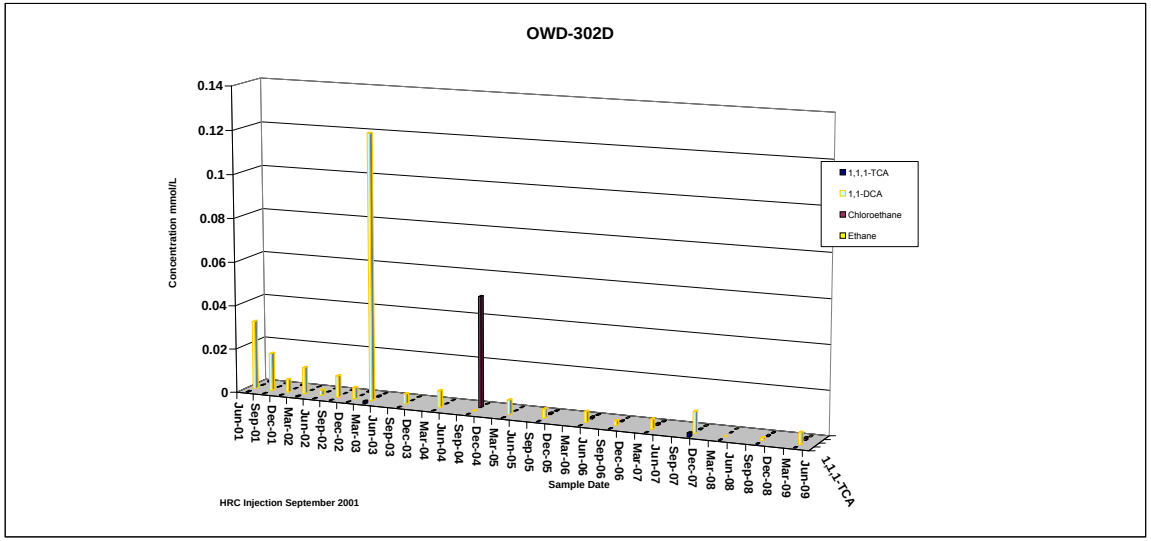

TABLE 1
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	OWS-302S																						
Well Screen Interval (ft):	13.0 - 14.0																						
Date Sampled:	6/1/99	6/1/99 DEC SPLIT	4/28/00	7/19/01	10/18/01	1/30/02	4/9/02	7/31/02	10/16/02	1/28/03	4/7/03	10/30/03	4/8/04	10/27/04	4/8/05	10/12/05	5/16/06	10/17/06	4/24/07	11/15/07	4/30/08	10/16/08	4/23/09
Compound:																							
VOLATILE ORGANICS															2000x Dil.	1000x Dil.	250x Dil.	250x Dil.	100x Dil.	200x Dil.	200x Dil.	200x Dil.	500x Dil.
Acetone	ND	**1.8 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**49**	**61 D**	**390**	**180 D**	**200 D**	**370 D**	**390**	**270**	**360**	**330**	**300**	**220**	**250**	**230**	**240**	**140**	**37 D**	**27**	**1**	**0.52**	**1.4**	**0.81**	**2.9**
1,1-Dichloroethene	ND	**0.022 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	**0.94**	ND	**4**	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	**0.056 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**130**	**19 D**	**38**	**18**	**25 D**	**38**	**34 D**	**62**
1,2-Dichloroethane	ND	**0.02 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
SEMI-VOLATILE ORGANICS																							
Bis(2-ethylhexyl) pthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																			20x Dil.	2.5x Dil.			10x Dil.
Methane	NA	NA	NA	DRY	ND	**0.002**	NA	**0.0063**	NA	**0.0016**	**0.031**	**0.0086**	**0.003**	**0.01**	**0.0068**	**0.016**	**0.0042**	**0.055**	**1.7**	**0.17**	**0.0074**	DRY	**0.83**
Ethane	NA	NA	NA	DRY	**0.0079**	ND	NA	**0.03**	NA	**0.0034**	**0.05**	**0.001**	**0.0084**	**0.029**	**0.0036**	**0.013**	**0.0013**	**0.014**	ND	**0.0085**	**0.0018**	DRY	ND
Ethene	NA	NA	NA	DRY	**0.0075**	ND	NA	**0.022**	NA	**0.0025**	**0.049**	**0.0071**	**0.0048**	**0.37**	**0.0022**	**0.0089**	ND	**0.0069**	ND	**0.0033**	**0.0023**	DRY	ND

Notes & Abbreviations:
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1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

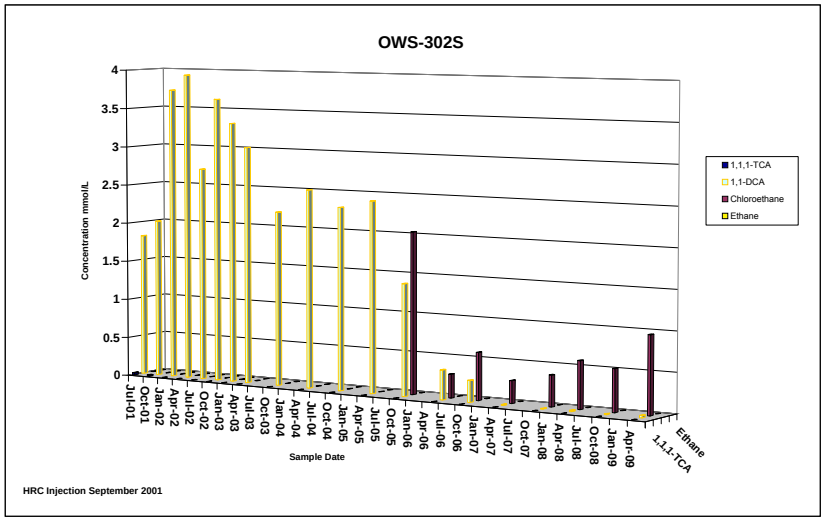

TABLE 1
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	**OWS-302D**			**OWD-302S**	**B303-OWD-S**	**B303-OWD-D**	**B303-OWS-S**	**MW-1**	
Well Screen Interval (ft):	29.5 - 30.5			21.0 - 22.0	19.5 - 20.5	31.0 - 32.0	12.5 - 13.5	4.0 - 14.0	
Date Sampled:	6/1/99	10/26/99	4/28/00	4/28/00	6/1/99	6/1/99	6/1/99	4/16/97	6/2/99
Compound:									
VOLATILE ORGANICS									
Acetone	ND	NA	ND	ND	**0.18**	**0.073**	**0.16**	ND	ND
1,1-Dichloroethane	**1.5**	**220**	**23**	**350**	ND	ND	ND	**36**	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**12**	**13**
1,1,1-Trichloroethane	**0.22**	ND	**8.8**	**2.4**	ND	ND	ND	**370**	**320**
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	NA	NA	NA	NA	NA
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMI-VOLATILE ORGANICS									
Bis(2-ethylhexyl) pthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES									
Methane	NA	NA	NA	DRY	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	DRY	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	DRY	NA	NA	NA	NA	NA

Notes & Abbreviations:

ND: Not Detected

NA: Not Analyzed

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1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

TABLE 1
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	MW-205																							
Well Screen Interval (ft):	21.2 - 28.0																							
Date Sampled:	7/10/97	6/2/99	4/28/00	7/19/01	10/18/01	1/29/02	4/9/02	7/31/02	10/15/02	1/29/03	4/7/03	10/29/03	4/6/04	4/6/04 DEC split	10/28/04	4/8/05	10/11/05	5/16/06	10/18/06	4/25/07	11/15/07	4/30/08	10/16/08	4/24/09
Compound:																								
VOLATILE ORGANICS																2000x Dil.	2000x Dil.	2000x Dil.	2000x Dil	2000x Dil	2000x Dil.	2000x Dil.	2000x. Dil	2000x Dil.
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**153**	**190 D**	ND	**180 D**	**160 D**	**240**	**290**	**260**	**260**	**230**	**290**	**210**	**200 D**	**180**	**230**	**240**	**230**	**220**	**270**	**230**	**390**	**200**	**200**	**200**
1,1-Dichloroethene	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	**1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**421**	**480 D**	ND	**260 D**	**180 D**	**300**	**300**	**280**	**260**	**200**	**320**	**250**	**140 D**	**150**	**100**	**76**	**80**	**57**	**62**	**41**	**84**	**42**	**57**	**48**
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.075**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.05**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.11**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.009**	**0.008**	NA	ND	NA	NA	NA	NA	NA	ND	NA	ND
SEMI-VOLATILE ORGANICS																								
Bis(2-ethylhexyl) pthalate	NA	**0.016**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																								
Methane	NA	NA	NA	**0.005**	**0.0053**	**0.0052**	NA	**0.0062**	**0.0057**	**0.0014**	**0.022**	**0.0057**	**0.0013**	NA	**0.0064**	**0.0062**	**0.0098**	**0.011**	**0.013**	**0.019**	**0.033**	**0.014**	**0.022**	**0.014**
Ethane	NA	NA	NA	**0.01**	**0.0084**	**0.0069**	NA	**0.0098**	**0.0086**	**0.0012**	**0.013**	**0.0038**	**0.006**	NA	**0.0059**	**0.007**	**0.012**	**0.016**	**0.017**	**0.019**	**0.026**	**0.019**	**0.023**	**0.020**
Ethene	NA	NA	NA	**0.0029**	**0.0024**	**0.002**	NA	**0.0026**	**0.0023**	**0.004**	**0.0048**	**0.0021**	**0.0028**	NA	**0.0048**	**0.0051**	**0.012**	**0.012**	**0.014**	**0.013**	**0.016**	**0.012**	**0.02**	**0.015**

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficient Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

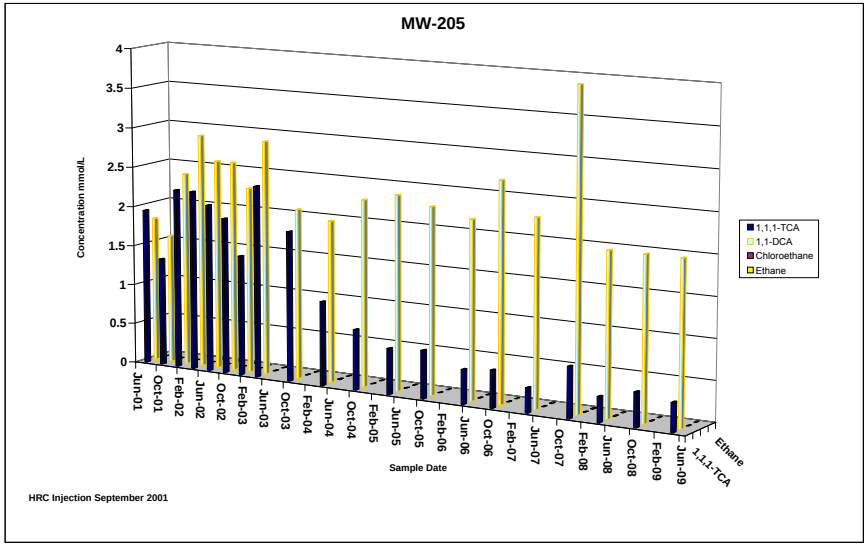

TABLE 1
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	OW-401																						
Well Screen Interval (ft):	44.0 - 46.0																						
Date Sampled:	10/26/99	4/28/00	7/19/01	10/18/01	1/29/02	4/10/02	7/30/02	10/15/02	1/29/03	4/7/03	10/29/03	4/7/04	10/27/04	4/8/05	10/12/05	5/16/06	10/17/06	4/24/07	11/15/07	4/30/08	10/16/08	4/22/09	
Compound:															2.5x Dil.	5x Dil.	5x Dil.						
VOLATILE ORGANICS																							
Acetone	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	**0.22**	ND	**0.5**	**0.43**	**0.7 D**	**0.5 D**	**0.5**	**2.2 D**	**0.31**	**0.17**	**0.036**	**0.33 D**	**0.65**	**0.74**	**0.46**	**0.47 D**	**0.62**	**0.23**	**0.15**	**0.091**	**0.16**	**0.094**	
1,1-Dichloroethene	**0.014**	ND	**0.045**	**0.028**	**0.057**	**0.044**	**0.032**	**0.066**	**0.025**	**0.011**	ND	**0.026**	**0.042**	**0.044**	**0.019**	**0.028**	**0.025**	**0.012**	**0.011**	ND	**0.0072**	ND	
1,1,1-Trichloroethane	**0.21**	ND	**0.36**	**0.14**	**0.021**	**0.0075**	**0.025**	**1.5**	ND	**0.0076**	**0.0071**	**0.0011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.048**	ND	**0.014**	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	**0.18**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	
SEMI-VOLATILE ORGANICS																							
Bis(2-ethylhexyl) pthalate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DISSOLVED GASES																							
Methane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethane	NA	NA	NA	NA	NA	NA	**0.0013**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes & Abbreviations:

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B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

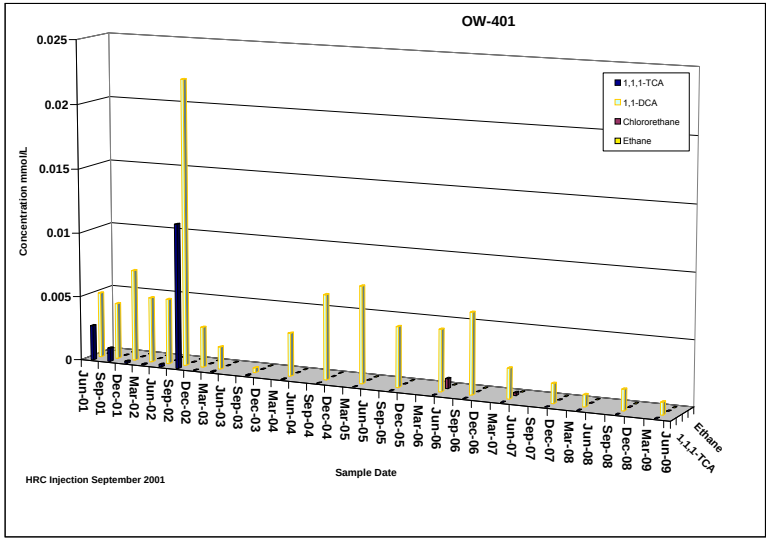

TABLE 2
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-2																				
Well Screen Interval (ft):	2.0 - 10.0																				
Date Sampled:	4/16/1997	6/2/1999	7/19/2001	10/18/2001	1/28/2002	4/9/2002	7/29/2002	10/15/2002	1/29/2003	4/7/2003	10/28/2003	4/6/2004	10/28/2004	4/7/2005	10/11/2005	5/17/2006	10/18/2006	4/25/2007	11/14/2007	4/30/2008	10/15/2008	4/24/2009
Compound:																					
VOLATILE ORGANICS															5x Dil.				20x Dil.		10x Dil.	
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.2**	ND	ND	ND	**0.044**	ND	ND	ND
1,1-Dichloroethane	**0.372**	**0.1**	**0.17**	**0.3**	**0.19**	**0.26**	**0.26**	**4.9 D**	**1.1**	**0.8**	**0.33**	**0.46**	**0.0088**	**0.028**	**0.21**	**0.011**	**0.035**	ND	**0.095**	**0.023**	**0.14**	**0.0041 J**
1,1-Dichloroethene	**0.182**	**0.41**	**0.21 D**	**0.46**	**0.27**	**0.38**	**0.27**	**0.88**	**0.21**	**0.17**	**0.047**	**0.12**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	**0.37**	**0.063**	**0.05**	**0.016**	**0.0037**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**0.519**	**3.7**	**1.2 D**	**3**	**2.1**	**2.7**	**1.8**	**1.1**	**0.29**	**0.29**	**0.032**	ND	**0.006**	**ND**	**0.067**	**0.0069**	**0.032**	ND	ND	ND	ND	**0.0059**
Tetrachloroethene	**0.006**	ND	**0.022**	ND	**0.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.00051 J**
Trichloroethene	**0.039**	ND	**0.074**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	**0.26**	**0.1**	**0.1**	**0.086**	**0.62**	**0.012**	**0.78**	**1.3 E**	**0.078**	**0.022**	**0.022**	**2.3 D**	**0.18**	**0.72 D**	**0.0094**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.089**	**0.18**	**0.01**	ND	ND	**0.36 D**	**0.031**	**0.18**	**0.0030 J**
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																						
Methane	NA	NA	NA	NA	NA	NA	**0.083**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	**0.0025**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	**0.0026**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes & Abbreviations:

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1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

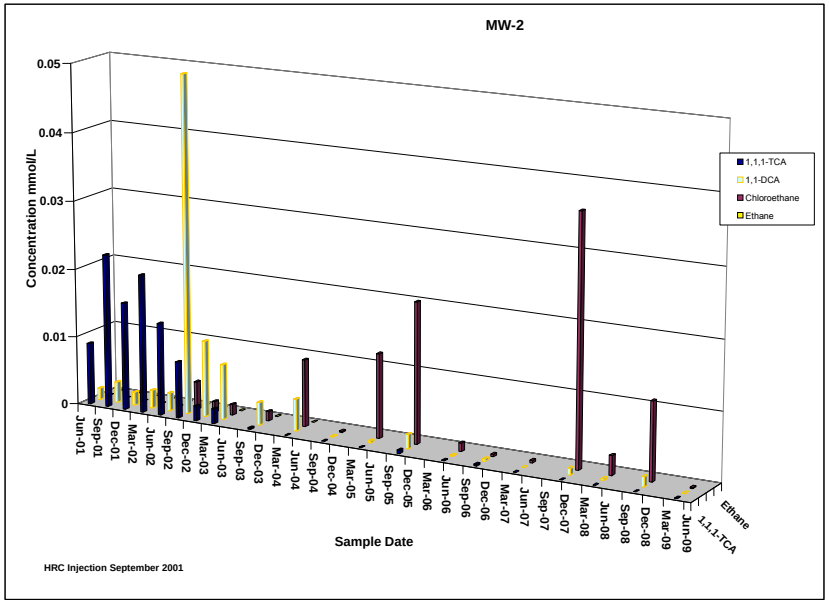

TABLE 2
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-3																						
Well Screen Interval (ft):	3.0 - 10.0																						
Date Sampled:	6/18/1997	6/2/1999	10/26/1999	########	2/15/2002	4/9/2002	7/30/2002	10/15/2002	1/28/2003	4/7/2003	10/28/2003	4/6/2004	4/6/2004 DEC split	10/27/2004	4/6/2005	10/10/2005	5/17/2006	10/18/2006	4/25/2007	11/14/2007	4/28/2008	10/13/2008	4/24/2009
Compound:																							
VOLATILE ORGANICS																	20x Dil.	20x Dil.	20x Dil.	20x Dil.	20x Dil.	20x Dil	20x Dil.
Acetone	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.02**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**2**	**2.9**	**3.2**	**0.79 D**	**2.8**	**2.4**	**3.8**	**3.9**	**5.8**	**8.4**	**0.56**	**1 D**	**0.74 D**	**3.1**	**0.68**	**1**	**0.34**	**0.51**	**0.93**	**0.22**	**0.36**	**0.36**	**0.38**
1,1-Dichloroethene	**0.63**	**1.8**	**2.2**	**0.53 D**	**2**	**2**	**1.8**	**1.4**	**1.5**	**1.2**	**0.57**	**0.33**	**0.23 D**	**0.36**	**0.099**	**0.1**	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.006**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**3.3**	**10**	**8**	**2.4 D**	**9.1**	**8.5**	**6.2**	**3.4**	**1.7**	ND	**0.23**	**0.9 D**	**0.66 D**	**0.42**	**0.23**	**0.17**	ND	ND	**0.14**	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	**0.037**	ND	ND	ND	ND	ND	ND	ND	**0.026**	**0.031**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	**0.29**	**1.3**	**3**	**2.8 D**	**3 D**	**2.3**	**1.0**	**2.8 E**	**2.3**	**3.7**	**3.4**	**2.5**	**2.4**	**2.8**	**3.1**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.007**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.001**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.013**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.21**	**0.36**	**0.50**	**0.34**	**0.082**	**0.56**	**0.39**	**0.71**	**0.67**	**0.51**	**0.5**	**0.63**	**0.69**
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.058**	**0.660**	NA	ND	NA	NA	NA	NA	NA	**0.088 D**	NA	**0.075**
DISSOLVED GASES																		10x Dil.	10x Dil.		10x Dil.	20x Dil	20x Dil.
Methane	NA	NA	NA	DRY	**0.02**	NA	**0.039**	**0.036**	**0.12**	**0.18**	**0.17**	**0.0095**	NA	**0.38**	**0.019**	**0.3**	**0.37**	**0.9**	**0.96**	**0.73**	**0.58**	**1.2**	**1**
Ethane	NA	NA	NA	DRY	**0.0039**	NA	**0.0029**	**0.0016**	**0.0029**	**0.003**	ND	ND	NA	ND	**0.0019**	ND	ND	ND	ND	ND	ND	**0.003**	ND
Ethene	NA	NA	NA	DRY	ND	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	**0.0066**	ND	**0.019**	**0.016**	**0.015**	**0.011**	**0.027**	ND

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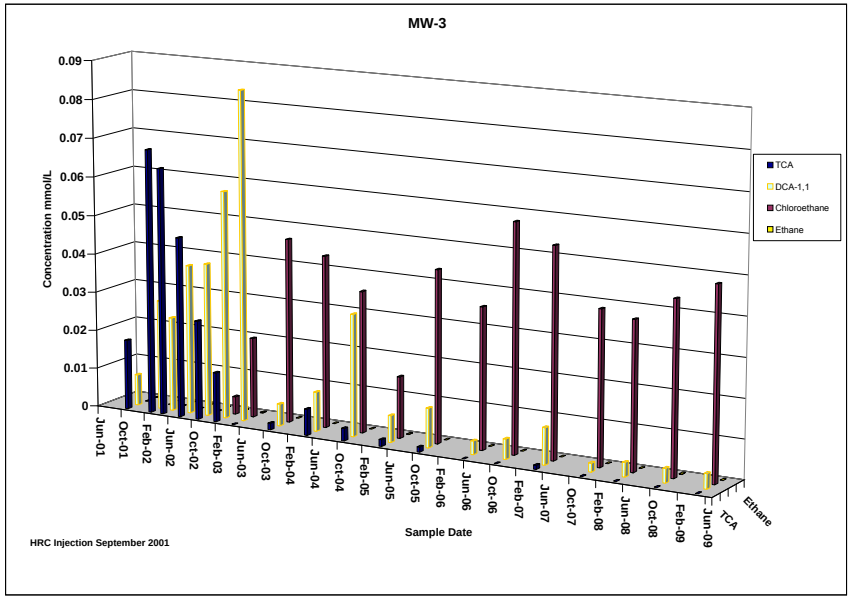

TABLE 2
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-403		MW-501																					
Well Screen Interval (ft):	38.5 - 43.5		20.0 - 25.0																					
Date Sampled:	10/26/1999	10/26/1999 DEC SPLIT	7/19/2001	7/23/2001	10/17/2001	10/17/2001 DEC SPLIT	2/15/2002	4/9/2002	7/30/2002	10/15/2002	1/29/2003	4/7/2003	10/29/2003	4/7/2004	10/27/2004	4/8/2005	10/11/2005	5/16/2006	10/18/2006	4/25/2007	11/14/2007	4/28/2008	10/15/2008	4/24/2009
Compound:																								
VOLATILE ORGANICS																	5x Dil.	10x Dil.	2x Dil.	2x Dil.	5x Dil.	5x Dil.	2.5x Dil.	5x Dil.
Acetone	ND	**0.062 B**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**0.0059**	**0.001 J**	ND	**5.3 D**	**0.055**	**0.4475**	**0.96**	**9.9 D**	**1.8**	**2.2 D**	**4.3**	**7**	**0.4**	**0.56**	**0.6**	**0.79**	**0.49**	**0.48**	**0.29**	**0.31**	**0.24**	**0.15**	**0.09**	**0.17**
1,1-Dichloroethene	ND	ND	ND	**0.0098**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	**0.001 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.26**	**0.7**	**0.9**	**0.42**	**0.37**	**1.4 E**	**0.68 D**	**0.31**	**0.28**	**0.71 D**	**0.52**	**0.32**	**0.61**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	**0.005 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.028**	**0.029**	ND	**0.041**	**0.046**	**0.06**	**0.054**	**0.051**	**0.051**	**0.058**	**0.018**	**0.071**
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																200X Dil.	100X Dil.	100x Dil.	100x Dil.	100x Dil.		200x Dil.	20x Dil.	250x Dil.
Methane	NA	NA	**0.0033**	**0.0081**	**0.018**	NA	**0.02**	NA	**0.037**	**0.25**	**5.5**	**6.8**	**11**	**13**	**4.4**	**13**	**5**	**8.6**	**8**	**7.1**	**0.042**	**10**	**1.6**	**15**
Ethane	NA	NA	ND	**0.005**	**0.004**	NA	**0.0018**	NA	**0.0011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0024**	ND
Ethene	NA	NA	ND	**0.0045**	**0.0014**	NA	**0.0012**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

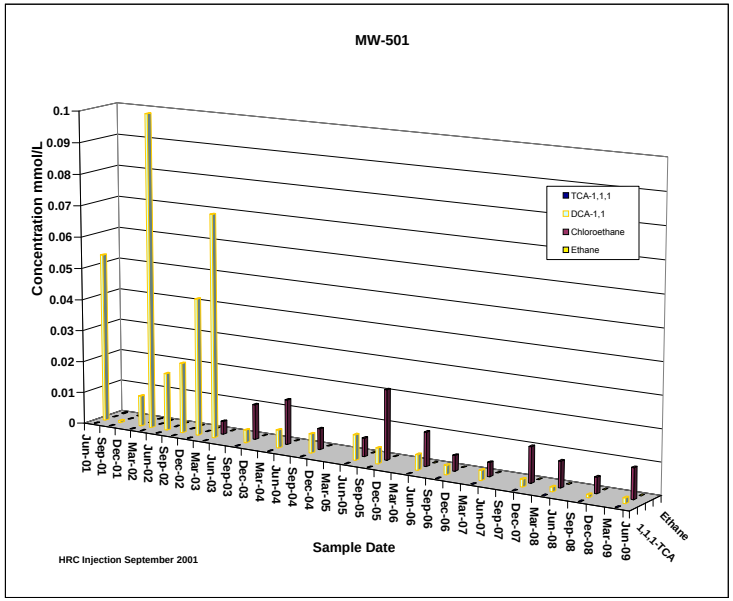

TABLE 2
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
MID-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-502																				
Well Screen Interval (ft):	30.0 - 35.0																				
Date Sampled:	7/24/2001	10/17/2001	10/17/2001 DEC SPLIT	1/28/2002	4/9/2002	7/30/2002	10/15/2002	1/27/2003	4/7/2003	10/28/2003	4/7/2004	10/27/2004	4/7/2005	10/11/2005	7/6/2006	10/18/2006	4/25/2007	11/14/2007	4/30/2008	10/15/2008	4/24/2009
Compound:																					
VOLATILE ORGANICS													100x Dil.	100x Dil.	40x Dil.	100X Dil.	50x Dil.	50x Dil.	50x Dil.	50x Dil.	50x Dil.
Acetone	ND	ND	**0.072**	ND	ND	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	0.35	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**9.8 D**	**11**	**4.4**	**3.3**	**0.82 D**	**3.8 D**	**11 D**	**17**	**13**	**1.5**	**0.52**	ND	**6.8**	ND	ND	**0.016**	**0.054**	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	**0.14**	ND	ND	ND	**0.14**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	**0.059**	**0.16**	ND	ND	ND	0.26	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	**0.011**	ND	**0.0455**	ND	ND	ND	ND	ND	ND	**11**	**7.5 D**	**12**	**10**	**12**	**5.7 D**	**10 D**	**7.9**	**8.8**	**7.5**	**8.7**	**7.8**
1,2-Dichloroethane	**0.012**	ND	**0.0115**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	**0.0063**	**1.1**	**0.0489**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	**0.011**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.19**	ND	ND	ND	**0.28**	**0.19**	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.69**	**5.6**	ND	**0.12**	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES													100X Dil.	200X Dil.	100X Dil.	100X Dil.	200x Dil.	100x Dil.	200x Dil.	50x Dil.	300x Dil.
Methane	DRY	**0.018**	NA	**0.0027**	NA	**0.32**	**0.78**	**3.4**	**1.5**	**6.3**	**6.9**	**7.4**	**8.5**	**12**	**4.8**	**5.8**	**12**	**9.4**	**15**	**44 D**	**8.8**
Ethane	DRY	**0.024**	NA	**0.0061**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0051**	ND
Ethene	DRY	**0.0066**	NA	**0.002**	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes & Abbreviations:
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DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

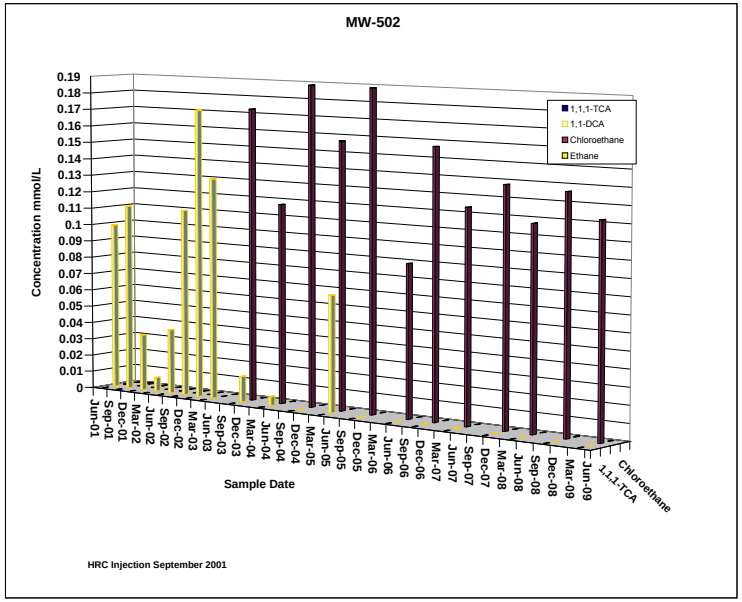

TABLE 3
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	B304-OW																				
Well Screen Interval (ft):	4.0 - 14.0																				
Date Sampled: / Compound:	6/1/99	7/18/01	10/18/01	1/29/02	4/8/02	7/29/02	10/14/02	1/30/03	4/7/03	10/30/03	4/7/04	10/27/04	4/7/05	10/10/05	5/17/06	10/19/06	4/26/07	11/14/07	4/30/08	10/13/08	4/23/09
VOLATILE ORGANICS																					
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**0.012**	**0.024**	**0.044**	ND	ND	**0.007**	**0.014**	ND	ND	**0.008**	ND	ND	ND	ND	**0.099**	**0.007**	**0.035**	**0.0078**	ND	**0.0052**	ND
1,1-Dichloroethene	**0.006**	**0.014**	**0.026**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**0.036**	**0.028**	**0.037**	**0.010**	**0.009**	**0.014**	**0.017**	**0.006**	**0.006**	**0.011**	**0.007**	ND	ND	**0.006**	**0.013**	**0.008**	**0.021**	**0.0068**	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.062**	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																					
Methane	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination
E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

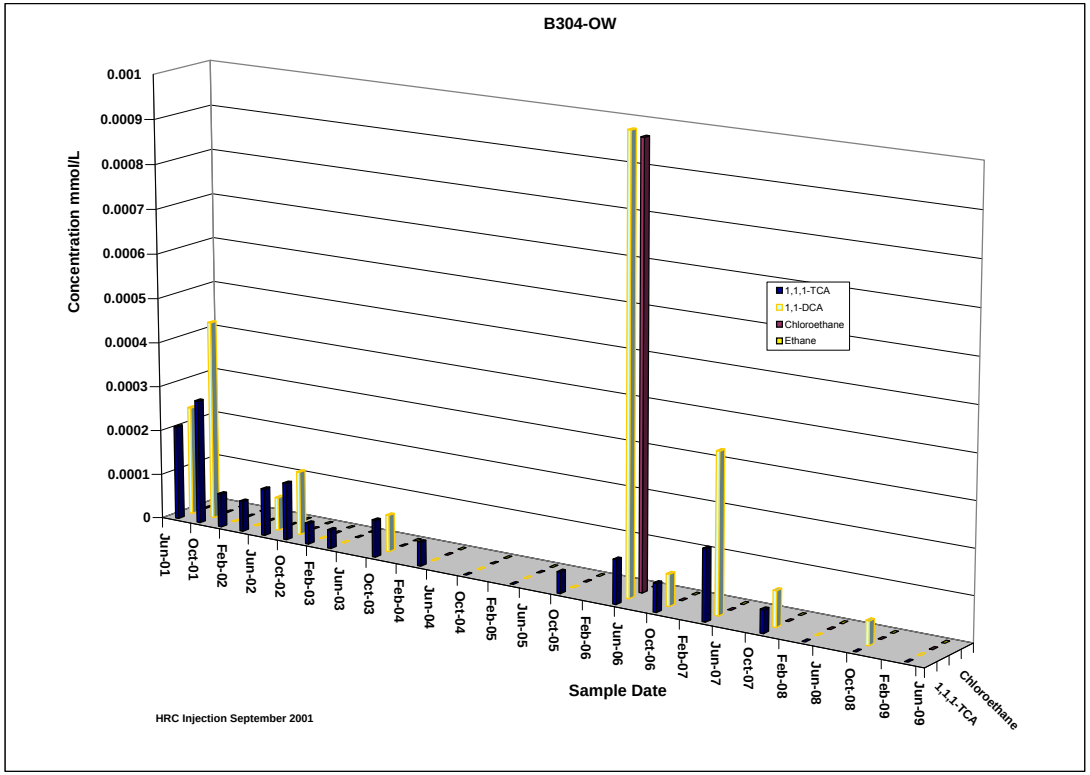

TABLE 3
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	**MW-202**																							
Well Screen Interval (ft):	10.1 - 20.3																							
Date Sampled:	7/10/97	6/2/99	10/26/99	7/18/01	10/18/01	1/28/02	4/8/02	7/29/02	10/14/02	1/29/03	4/7/03	10/28/03	4/7/04	10/26/04	4/6/05	10/10/05	7/6/06	10/17/06	4/24/07	11/14/07	4/28/08	10/13/08	4/23/09
Compound:																								
VOLATILE ORGANICS																								
Acetone	**0.027**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**0.008**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0064**	**0.0053**	ND	**0.0093**
1,1-Dichloroethene	**0.018**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0056**	ND	ND	**0.0050**
1,1,1-Trichloroethane	**0.061**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**0.008**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																								
Methane	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes & Abbreviations:
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NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination
E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

TABLE 3
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	**MW-203**																						
Well Screen Interval (ft):	9.8 - 20.0																						
Date Sampled:	7/10/97	6/2/99	7/18/01	10/18/01	1/29/02	4/8/02	7/29/02	10/14/02	1/30/03	4/7/03	10/28/03	4/7/04	10/26/04	4/6/05	10/10/05	5/15/06	10/19/06	4/26/07	11/14/07	4/30/08	10/13/08	4/22/09
Compound:																							
VOLATILE ORGANICS																							
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	**0.118**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.018**	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.009**	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																							
Methane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination
E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

TABLE 3
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-204																						
Well Screen Interval (ft):	9.8 - 20.0																						
Date Sampled:	7/10/97	6/2/99	7/18/01	10/18/01	1/28/02	4/8/02	7/29/02	10/14/02	1/30/03	4/7/03	10/28/03	4/6/04	4/6/04 DEC split	10/26/04	4/6/05	10/10/05	7/6/06	10/18/06	4/26/07	11/14/07	4/28/08	10/13/08	4/23/09
Compound:																							
VOLATILE ORGANICS																							
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	**0.012**	**0.019**	**0.011**	**0.010**	**0.007**	**0.010**	**0.008**	**0.006**	**0.008**	**0.006**	**0.006**	ND	**0.0068**	**0.0053**	ND	**0.1800**	**0.0740**	**0.0070**	**0.0056**	**0.0060**	**0.0056**
1,1-Dichloroethene	ND	ND	**0.0088**	**0.015**	**0.008**	**0.007**	ND	**0.008**	**0.006**	**0.005**	**0.005**	**0.006**	**0.004**	ND	ND	ND	ND	**0.009**	ND	**0.0067**	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	**0.01**	**0.022**	**0.011**	**0.010**	ND	**0.011**	**0.007**	ND	**0.006**	**0.006**	**0.005 J**	ND	ND	ND	ND	**0.097**	**0.030**	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.005**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	**0.015**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.090**	**0.086**	NA	**0.047**	NA	NA	NA	NA	NA	**0.030 D**	NA	**0.022**
DISSOLVED GASES																							
Methane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes & Abbreviations:
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NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination
E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

TABLE 3
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	**OW-402**																					
Well Screen Interval (ft):	38.5 - 43.5																					
Date Sampled:	10/26/99	7/18/01	10/18/01	1/28/02	6/21/02	7/29/02	10/14/02	1/29/03	4/7/03	10/28/03	4/5/04	10/26/04	4/6/05	10/10/05	5/15/06	10/17/06	4/24/07	11/14/07	4/28/08	10/13/08	4/23/09	
Compound:																						
VOLATILE ORGANICS																						
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	
DISSOLVED GASES																						
Methane	NA	NA	NA	NA	NA	**0.0038**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethane	NA	NA	NA	NA	NA	**0.0014**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Ethene	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Notes & Abbreviations:
ND: Not Detected
NA: Not Analyzed
DRY: Insufficent Recharge
D: Diluted Result
J: Estimated Result
B: Blank Contamination
E: Estimated Result

1. The tables represent all data as reported from the lab in concentration format (mg/L).

2. The time-trend graphs concentrations have been converted to mmol/L to provide better stochiometric representation of relative mass of parent (TCA) to daughter (DCA, chloroethane, etc.) compounds. Also note that scale varies between graphs in order to depict ranges of values for each well.

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-205																				
Analyte	7/19/01	9/26/01	10/18/01	1/28/02	4/9/02	7/29/02	10/15/02	1/28/03	4/7/03	10/30/03	4/6/04	10/28/04	4/8/05	10/11/05	5/16/06	10/18/06	4/25/07	11/15/07	4/30/08	10/16/08	4/24/09
INORGANICS (mg/L)																					
Nitrite Nitrogen	**0.0265**	NS	ND	NA	NA	**0.0174**	NA	NA	**0.0151**	NA	**0.069**	NA	**0.0291**	<0.0500	**0.0524**	**0.0107**	<0.0600	<0.100	<0.04	<2.0	<0.01
Nitrate/Nitrite Nitrogen	ND	NS	NA	NA	NA	ND	NA	NA	**0.135**	NA	<.0500	NA	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	<0.05
Chloride	**750**	NS	**708**	NA	NA	**741**	NA	NA	**729**	NA	**746**	**613**	**689**	**677**	**684**	**705**	**690**	**671**	**697**	**834**	**705**
Dissolved Organic Carbon	**52.2**	NS	**55.2**	NA	NA	**201**	NA	NA	**354**	NA	**497**[TOC]	NA	**667**	**1630**	**979**	**1020**	**1420**	**1270**	**1690**	**1620**	**2220**
Nitrate Nitrogen	**0.0514**	NS	ND	NA	NA	ND	NA	NA	**0.12**	NA	<.0500	<1.0	<0.200	<0.0500	<0.0500 J	<0.0500	<0.0500	<0.500	<1.0	<0.5	<0.05
Total Alkalinity	**404**	NS	**378**	NA	NA	**619**	NA	NA	**1010**	NA	**1400**	NA	**1380**	**1470**	**1500**	**1440**	**1650**	**1820**	**1980**	**2100**	**2350**
Sulfate	**96.9**	NS	**91**	NA	NA	**27.5**	NA	NA	**9.21**	NA	**11.4**	<2.0	**2.5**	**2.46**	**2.34**	<0.2	<2.0	<2.0	**6.26**	**4.8**	**5.7**
Total Sulfide	ND	NS	ND	NA	NA	ND	NA	NA	ND	NA	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	**4.25**	**3.05**	<1.0	2	<1.0
Total Iron	**21.2**	NS	**47.3**	NA	NA	**51.2**	NA	NA	**40.2**	NA	**42.9**	**54.2**	**64.3**	**90.1**	**72.7**	**89.8**	**92.2**	**186**	**90.8**	**126**	**89.8**
Total Manganese	**0.641**	NS	NA	NA	NA	**1.3**	NA	NA	**0.912**	NA	**0.591**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)													5X Dil.		10x Dil.	5x Dil	10x Dil	10x Dil.	10x Dil.	10x Dil.	5x Dil.
Lactic Acid (C3)	ND	NS	NA	**23.6**	NA	**39.1**	**59.5**	**41**	**81.3**	**117**	**72.9**	<10	<1.0	<1.0	<10	<1.0	<10	<1.0	<10	<10	<5.0
Acetic Acid (C2)	**139**	NS	NA	**179**	NA	**209**	**236**	**273**	**282**	**364**	**326**	**210**	**250**	**140 E**	**360**	**380 D**	**360**	**350 D**	**350**	**340**	**270**
Propionic Acid (C3)	ND	NS	NA	ND	NA	**34.9**	**62.1**	**134**	**138**	**202**	**158**	**210**	**190**	**320 E**	**470**	**530 D**	**730**	**600 D**	**670**	**800**	**900**
Pyruvic Acid (C3)	ND	NS	NA	ND	NA	ND	ND	ND	**0.9**	**4.1**	<0.1	<10	<5.0	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	<5.0	<2.5
Butyric Acid (C4)	ND	NS	NA	ND	NA	ND	ND	**13.1**	**26.4**	**68.6**	**177**	**420**	**400**	**470 E**	**540**	**700 D**	**1000**	**950**	**1200**	**1200**	**1900**
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)	ND	ND	MIS	**0.29**	**0.014**	**0.1**	**0.63**	**0.5**	**1.07**	**0.39**	**1.18**	NS	**0.76**	NA	**0.61**	**0.27**	**1.04**	**0.7**	**0.18**	**0**	**5.11**
Redox (mV)	**-53**	**-26**	MIS	**-88**	**-61**	**-182**	**-166**	**-103**	**-42**	**-174**	**-395**	NS	**-189**	NA	**-295**	**-517**	**-112**	**-105**	**-89**	**-85**	**-90**
Conductivity (mS)	**2.41**	**3**	MIS	**2.31**	**2.48**	**2.49**	**2.9**	**2.7**	**2.7**	**4.69**	**4.81**	NS	**4.87**	NA	**4.99**	**5.21**	**5.59**	**5.43**	**5.58**	**5.86**	**5.46**
Iron, dissolved (mg/L)	**0.2**	NA	MIS	**2.6**	**3.2**	**4.9**	**5.8**	**5.0**	**5.8**	**5.8**	**4.2**	NS	**5.4**	NA	**2.8**	**2.2**	**2.2**	**2.4**	**2.4**	**2.5**	**5**
Alkalinity (mg/L)	**500**	NA	MIS	**580**	**580**	**630**	**680**	**600**	**1300**	**760**	**1320**	NS	**920**	NA	**200**	**1700**	**1600**	**1760**	**1620**	**2320**	**1500**
Carbon Dioxide (mg/L)	**182**	NA	MIS	**140**	**330**	**220**	**59**	**418**	**1.07**	**1275**	too turbid	NS	TBC from Alk	NA	**160**	Precip	Precip	Precip	Precip	Precip	**272**

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-3																			
Analyte	7/19/01	9/26/01	10/18/01	2/15/02	4/9/02	7/30/02	10/15/02	1/28/03	4/7/03	10/30/03	4/6/04	10/27/04	4/6/05	10/11/05	5/17/06	10/18/06	4/25/07	11/14/07	4/28/08	10/13/08	4/23/09
INORGANICS (mg/L)																					
Nitrite Nitrogen		NS	**0.13**	NA	NA	ND	NA	NA	<0.0100	NA	**0.0433**	NA	<0.01	<0.01	**0.0171**	**0.0155**	<0.0100	<0.0100	<0.0100	<0.5	<0.01
Nitrate/Nitrite Nitrogen		NS	NA	NA	NA	ND	NA	NA	**0.093**	NA	<0.0500	NA	<0.05	<0.05	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	<0.05
Chloride		NS	**139**	NA	NA	**171**	NA	NA	**269**	NA	**253**	**330**	**391**	**369**	**381**	**382**	**367**	**345**	**251**	**305**	**288**
Dissolved Organic Carbon		NS	**2.19**	NA	NA	**287**	NA	NA	**52.7**	NA	**5.67**[TOC]	NA	**3.51**	**5.49**	**19.9**	**21.8**	**11.8**	**10.8**	**12.5**	**5.45**	**5.8**
Nitrate Nitrogen	**DRY**	NS	**2.21**	NA	NA	ND	NA	NA	**0.093**	NA	<0.0500	<1.0	<0.05	<0.05	<0.0500	<0.0500	<0.0500	<0.5	<0.5	<0.5	<0.05
Total Alkalinity		NS	**197**	NA	NA	**610**	NA	NA	**349**	NA	**218**	NA	**207**	**230**	**251**	**265**	**241**	**266**	**248**	**270**	**242**
Sulfate		NS	**15.1**	NA	NA	**2.08**	NA	NA	**8.81**	NA	**11.0**	**5.9**	**4.7**	**4.4**	**2.7**	<0.200	<2.0	<2.0	<2.0	**3.03**	<2.0
Total Sulfide		NS	ND	NA	NA	ND	NA	NA	<1.00	NA	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Iron		NS	**14.1**	NA	NA	**181**	NA	NA	**116**	NA	**15.6**	**14.9**	**44.4**	**47.9**	**26.1**	**35.5**	**42.6**	**28.4**	**15.5**	**44.9**	**36.4**
Total Manganese		NS	NA	NA	NA	**8.01**	NA	NA	**6.28**	NA	**1.60**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)																					
Lactic Acid (C3)		NS	NA	ND	ND	**8.2**	ND	**12.5**	ND	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetic Acid (C2)		NS	NA	**14**	**37.2**	**83.8**	**180**	**86.8**	**80.8**	**18.7**	**11.1**	<1.0	**4.7**	**9.7**	**49**	**58**	**42**	**24**	**22**	**7.8**	**12**
Propionic Acid (C3)	**DRY**	NS	NA	**15**	**42.5**	**248**	**606**	**241**	**225**	**28.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyruvic Acid (C3)		NS	NA	ND	**0.2**	**0.1**	ND	ND	ND	<0.1	<0.1	<1.0	<5.0	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5	<0.5
Butyric Acid (C4)		NS	NA	**7.6**	**24.3**	**72**	**505**	**157**	**100**	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)		NS	MIS	**5.19**	***4.95**	**1.34**	**2.86**	**2.40**	**3.58**	**1.11**	**5.68**	NS	**6.91**	NA	**1.42**	**1.98**	**0.93**	DRY	DRY	DRY	DRY
Redox (mV)		NS	MIS	**-116**	**35**	**-127**	**-70**	**-79**	**-80**	**-37**	**54**	NS	**-68**	NA	**194**	**61**	**-38**	DRY	DRY	DRY	DRY
Conductivity (mS)	**DRY**	NS	MIS	**0.07**	**0.06**	**0.12**	**0.25**	**0.00**	**1.10**	**1.33**	**1.20**	NS	**1.58**	NA	**1.61**	**1.76**	**1.72**	DRY	DRY	DRY	DRY
Iron, dissolved (mg/L)		NS	MIS	NA**	**0.2**	**0.9**	**4.4**	**4.5**	**4.5**	**3**	**1.2**	NS	**0.2**	NA	**0.01**	**0.2**	**1.2**	**0**	**0.4**	**0.2**	DRY
Alkalinity (mg/L)		NS	MIS	NA**	**240**	**680**	**1000**	**280**	**560**	**480**	**280**	NS	**160**	NA	**60**	**320**	**300**	**280**	**220**	**400**	DRY
Carbon Dioxide (mg/L)		NS	MIS	NA**	**61.7**	**84**	**268**	**220**	**356**	**242**	**460**	NS	TBC from Alk	NA	**23.5**	**220**	**160**	**194**	**140**	**212**	DRY

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-501																				
Analyte	7/19/01	9/26/01	10/18/01	2/15/02	4/9/02	7/29/02	10/15/02	1/29/03	4/7/03	10/30/03	4/7/04	10/27/04	4/6/05	10/11/05	5/16/06	10/18/06	4/25/07	11/14/07	4/28/08	10/15/08	4/23/09
INORGANICS (mg/L)																					
Nitrite Nitrogen	ND	NS	**0.159**	NA	NA	**0.0143**	**0.0143**	NA	0.012	NA	**0.0152**	NA	**0.0407**	<0.0100	<0.0100	**0.0167**	<0.0100	<0.01	**0.0144**	<0.5	<0.01
Nitrate/Nitrite Nitrogen	**0.063**	NS	NA	NA	NA	ND	ND	NA	0.16	NA	<0.0500	NA	<0.100	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	<0.05
Chloride	**355**	NS	**85.6**	NA	NA	**208**	NA	NA	**1840**	NA	**3870**	**2180**	**2130**	**1860**	**1700**	**1200**	**1060**	**418**	**3500**	**1140**	**2240**
Dissolved Organic Carbon	**3.38**	NS	**141**	NA	NA	**15.7**	NA	NA	**173**	NA	**4.72**[TOC]	NA	**4.7**	**5.69**	**5.19**	**7.3**	**6.88**	**7.91**	**4.82**	**9.17**	**5.7**
Nitrate Nitrogen	**0.063**	NS	**0.634**	NA	NA	ND	NA	NA	**0.148**	NA	<0.0500	<1.0	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.500	<0.500	<0.5	<0.05
Total Alkalinity	**201**	NS	**167**	NA	NA	**259**	NA	NA	**575**	NA	**229**	NA	**270**	**289**	**296**	**349**	**402**	**359**	**231**	**439**	**318**
Sulfate	**40.2**	NS	**21.5**	NA	NA	**27.3**	NA	NA	**4.38**	NA	**43.3**	**5.96**	**31**	**6.32**	**24.4**	**12**	**21.5**	**2.29**	**51.2**	**2.75**	**9.4**
Total Sulfide	ND	NS	**1.18J**	NA	NA	ND	NA	NA	**3.44**	NA	**2.57**	<1.0	**1.24**	<1.00	<1.0	**1.27**	<1.0	**1.32**	<1.0	**2.76**	<0.01
Total Iron	**462**	NS	**662**	NA	NA	**152**	NA	NA	**99.4**	NA	**238**	**998**	**377**	**11.3**	**9.31**	**7.3**	**2.96**	**8.57**	**10.5**	**9.35**	**8890**
Total Manganese	**11.8**	NS	NA	NA	NA	**4.1**	NA	NA	**3.02**	NA	**7.50**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)																					
Lactic Acid (C3)	ND	NS	NA	ND	**34.3**	**8.7**	ND	ND	D	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetic Acid (C2)	ND	NS	NA	ND	**15.7**	**10.3**	**6.3**	**33.3**	**135**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	<1.0	**1.4**	<1.0	<1.0	<1.0
Propionic Acid (C3)	ND	NS	NA	ND	**15.4**	**10.1**	**4.2**	**15.2**	**111**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyruvic Acid (C3)	ND	NS	NA	ND	**1.1**	ND	**2.4**	ND	ND	<0.1	<0.1	<1.0	<5.0	<0.50	<0.50	<0.50	<0.50	<0.5	<0.5	<0.5	<0.5
Butyric Acid (C4)	ND	NS	NA	ND	**8.2**	ND	ND	ND	**46.3**	<1.0	<1.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)	**0.3**	**0.01**	MIS	**0.27**	**1.07**	**0.49**	**2.18**	**0.46**	**0.38**	**0.4**	**3.39**	NS	**3.63**	NA	**1.19**	**2.85**	**1.39**	DRY	DRY	DRY	DRY
Redox (mV)	**-280**	**-205**	MIS	**-108**	**5**	**-196**	**-141**	**-131**	**-208**	**-36**	**211**	NS	**-106**	NA	**92**	**61**	**85**	DRY	DRY	DRY	DRY
Conductivity (mS)	**1.61**	**0.68**	MIS	**12.03**	**1.55**	**0.76**	**1.01**	**8.08**	**8.47**	**1.55**	**12.2**	NS	**7.73**	NA	**5.7**	**4.28**	**4.03**	DRY	DRY	DRY	DRY
Iron, dissolved (mg/L)	ND	NA	MIS	**0.2**	ND	ND	**0.5**	**0.9**	**2.8**	**1.8**	**1.8**	NS	**0.8**	NA	**1.5**	**0.2**	**0**	**0.9**	**0.8**	**0**	**2.4**
Alkalinity (mg/L)	**920**	NA	MIS	**200**	**210**	**320**	**360**	**280**	**960**	**440**	**260**	NS	**100**	NA	**150**	**400**	**360**	**340**	**180**	**500**	**400**
Carbon Dioxide (mg/L)	**34**	NA	MIS	**90**	**60**	**38**	**32.6**	**104**	**284**	**188**	**230**	NS	TBC from Alk	NA	**24**	**148**	**210**	**150**	**90**	**100**	**160**

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

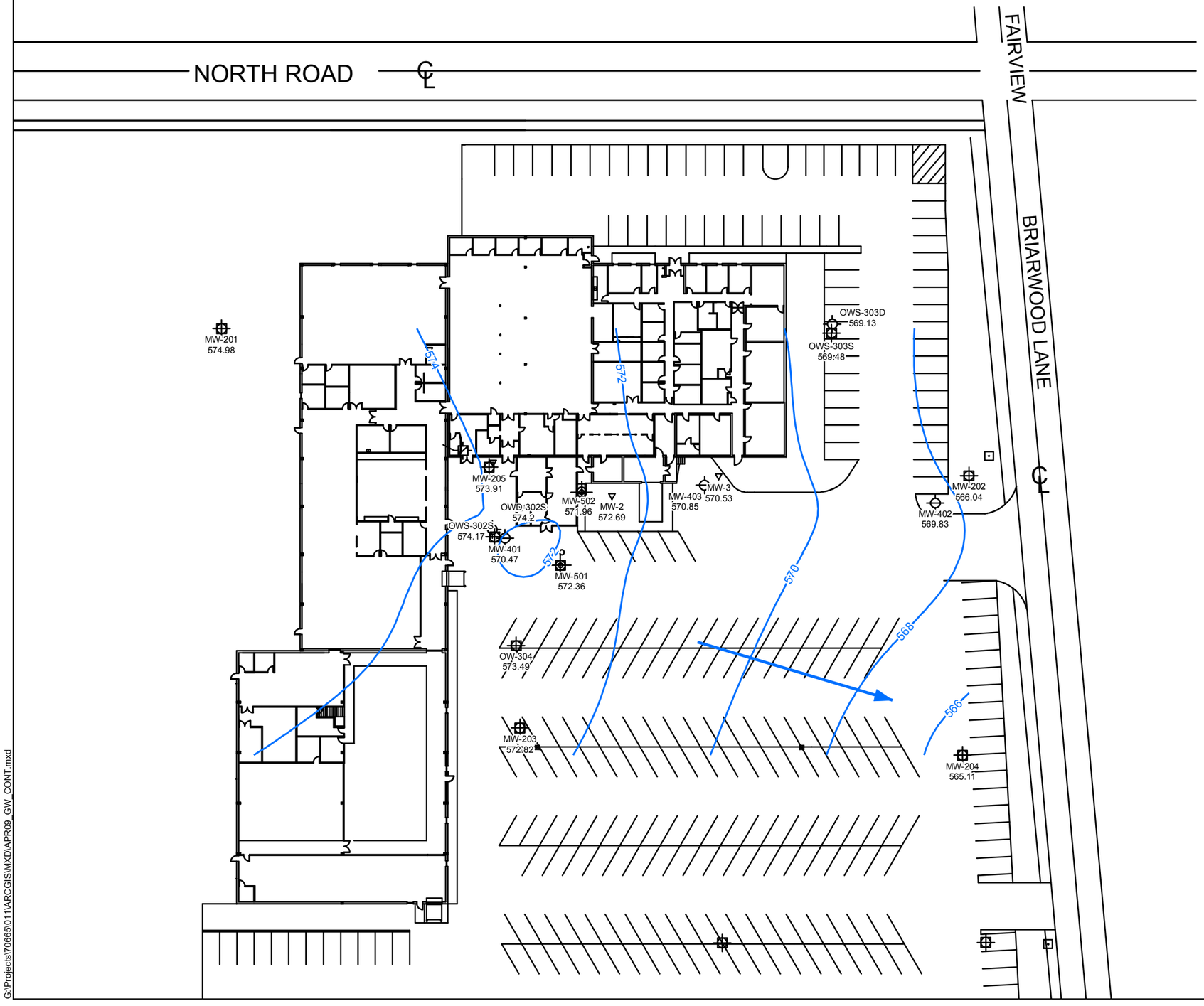
Sample ID	MW-502																				
Analyte	7/19/01	9/26/01	10/18/01	1/28/02	4/9/02	7/29/02	10/15/02	1/27/03	4/7/03	10/30/03	4/6/04	10/27/04	4/6/05	10/11/05	5/16/06	10/18/06	4/25/07	11/14/07	4/30/08	10/15/08	4/24/09
INORGANICS (mg/L)																					
Nitrite Nitrogen	**0.0389**	NS	ND	NA	NA	ND	NA	NA	<0.010	NA	<0.0100	NA	**0.066**	<0.0200	**0.0259**	**0.0183**	**<0.0200**	<0.0100	<0.200	<0.5	<0.05
Nitrate/Nitrite Nitrogen	**0.137**	NS	NA	NA	NA	ND	NA	NA	<0.050	NA	<0.0500	NA	<0.200	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	NA	NA	<0.05
Chloride	**246**	NS	**241**	NA	NA	**84.6**	NA	NA	**281**	NA	**310**	**366**	**347**	**360**	**382**	**434**	**505**	**523**	**522**	**493**	**476**
Dissolved Organic Carbon	**5.21**	NS	**26.7**	NA	NA	**34.7**	NA	NA	**284**	NA	**639**[TOC]	**NA**	**903**	**545**	**190**	**167**	**87.4**	**59.6**	**54**	**14.3**	**13.9**
Nitrate Nitrogen	**0.137**	NS	**0.859**	NA	NA	ND	NA	NA	**0.139**	NA	<0.0500	<1.0	<0.200	<0.0500	<0.0500	<0.0500	<0.0500	<0.500	<0.500	<0.5	<0.05
Total Alkalinity	**1.08**	NS	**94.4**	NA	NA	**125**	NA	NA	**531**	NA	**860**	**NA**	**1160**	**1160**	**998**	**1920**	**1000**	**1060**	**968**	**765**	**742**
Sulfate	**183**	NS	**56.2**	NA	NA	**4.74**	NA	NA	ND	NA	<2.00	<2.0	<2.0	<2.0	**3.13**	<0.200	<2.0	<2.0	<2.0	**2.46**	<2.0
Total Sulfide	**1.08**	NS	**1.28**	NA	NA	**1.2**	NA	NA	**2.29**	NA	<1.00	<1.0	<1.0	<1.00	**29.3**	**1.24**	**4.33**	**2.68**	<1.0	**1.8**	<1.0
Total Iron	**ND**	NS	**4.96**	NA	NA	**12**	NA	NA	**72.7**	NA	**282**	**1820**	**1960**	**1030**	**992**	**631**	**2940**	**2580**	**1350**	**1090**	**987**
Total Manganese	**0.317**	NS	NA	NA	NA	**0.259**	NA	NA	**1.77**	NA	**12.10**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)													**20x Dil.**	**10x Dil.**	**5x Dil.**						
Lactic Acid (C3)	ND	NS	NA	ND	ND	ND	ND	ND	ND	**23.8**	<1.0	<1.0	ND	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetic Acid (C2)	ND	NS	NA	ND	**3.5**	**38.5**	**70.5**	**236**	**220**	**451**	**635**	<1.0	**400**	**660**	**120 D**	**150**	**75**	**79**	**87**	**7.8**	**7.7**
Propionic Acid (C3)	ND	NS	NA	ND	ND	**22.6**	**97.5**	**233**	**216**	**402**	**281**	<1.0	**870**	**470**	**260 D**	**200**	**37**	**14**	**1.5**	<1.0	<1.0
Pyruvic Acid (C3)	ND	NS	NA	ND	ND	ND	ND	ND	ND	<0.1	<0.1	<1.0	ND	<5.0	<0.5	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5
Butyric Acid (C4)	ND	NS	NA	ND	ND	ND	**20.2**	**54.8**	**62.9**	**99.7**	**113**	<2.0	ND	**74**	<2.0	<2.0	3.9	<2.0	<2.0	<2.0	<2.0
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)	**2.9**	**0.51**	MIS	**2.93**	**0.13**	**0.00**	**0.21**	**0.93**	**1.03**	**0.21**	**1.18**	NS	**0.41**	NA	**0.36**	**0.25**	**0**	**0.38**	**0**	**0**	**3.13**
Redox (mV)	**-264**	**-262**	MIS	**28**	**-103**	**-117**	**-196**	**-118**	**-121**	**-13**	**-164**	NS	**-145**	NA	**93**	**88**	**-105**	**-112**	**-124**	**-168**	**-160**
Conductivity (mS)	**0.64**	**0.98**	MIS	**0.33**	**2.79**	**0.1**	**0.93**	**1.06**	**1.38**	**2.83**	**2.93**	NS	**13.42**	NA	**2.9**	**3.36**	**3.24**	**2.99**	**3.06**	**2.27**	**2.27**
Iron, dissolved (mg/L)	ND	NA	MIS	ND	ND	ND	ND	**1.5**	**0.8**	**2.7**	**2.2**	NS	**2.8**	NA	**0.1**	**3**	**1**	**1.4**	too turbid	**1.5**	**0.5**
Alkalinity (mg/L)	**120**	NA	MIS	**75**	**54**	**220**	**200**	**140**	**440**	**1100**	too turbid	NS	**280**	NA	No Reading	**2300**	**1160**	**920**	**960**	No Reading	**820**
Carbon Dioxide (mg/L)	**27.2**	NA	MIS	**37.4**	**180**	**72**	**32.6**	**114**	**182**	**240**	too turbid	NS	TBC from Alk	NA	**200**	**802**	**800**	**600**	too turbid	too turbid	**336**

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	OWD-302-D																			
Analyte	7/19/01	9/26/01	10/18/01	1/28/02	4/9/02	7/29/02	10/15/02	1/28/03	4/7/03	10/30/03	4/8/04	10/27/04	4/6/05	10/12/05	5/16/06	10/17/06	4/24/07	11/15/07	4/30/08	10/16/08	4/23/09
INORGANICS (mg/L)																					
Nitrite Nitrogen	ND	NS	**0.0823**	NA	NA	**0.0386**	NA	NA	**0.014**	NA	**0.104**	NA	**0.631**	<0.0100	**0.079**	**0.0318**	**0.0498**	**0.0397**	<0.0100	**2.74**	<0.05
Nitrate/Nitrite Nitrogen	**0.204**	NS	NA	NA	NA	**0.0571**	NA	NA	**0.181**	NA	<0.0500	NA	0.226	<0.0500	<0.0500	**0.283**	**0.0916**	**0.791**	NA	NA	<0.05
Chloride	NA	NS	**37.2**	NA	NA	**27**	NA	NA	**2750**	NA	**2930**	**1070**	**9050**	**567**	**756**	**8.54**	**8870**	**776**	**536**	**590**	**1830**
Dissolved Organic Carbon	**4.23**	NS	**16.8**	NA	NA	**4.64**	NA	NA	**290**	NA	**5.70**[TOC]	NA	**4.35**	**4.62**	**10.3**	**4.97**	**9.26**	**6.98**	**9.44**	**11**	**4.9**
Nitrate Nitrogen	NA	NS	ND	NA	NA	0	NA	NA	**0.167**	NA	<0.0500	<1.0	<0.0500	<0.0500	<0.0500	**0.251**	<0.0500	**0.791**	<0.500	**2.74**	<0.05
Total Alkalinity	NA	NS	NA	NA	NA	**67**	NA	NA	**801**	NA	**50**	**NA**	**265**	**79.7**	**163**	**74.3**	**50**	**103**	**212**	**210**	**240**
Sulfate	**850**	NS	**740**	NA	NA	**634**	NA	NA	**219**	NA	**550**	<2.0	**249**	**491**	**367**	**7.42**	**256**	**160**	**202**	**161**	**153**
Total Sulfide	ND	NS	ND	NA	NA	ND	NA	NA	**7.96**	NA	<1.00	<1.0	<1.0	<1.00	<1.0	<1.0	<1.0	<1.0	<1.0	**2.64**	<1.0
Total Iron	**5.47**	NS	**2.9**	NA	NA	**0.858**	NA	NA	**177**	NA	**3.15**	**130**	**34.1**	**15**	**435**	**98.5**	**353**	**322**	**20.2**	**2.61**	**152**
Total Manganese	**0.0589**	NS	**NA**	NA	NA	**0.0504**	NA	NA	**3.85**	NA	**0.0429**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)																					
Lactic Acid (C3)	ND	NS	NA	ND	ND	ND	ND	ND	ND	**18.1**	<1.0	<25	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Acetic Acid (C2)	ND	NS	NA	ND	ND	ND	ND	ND	**344**	<1.0	<1.0	**1900**	<1.0	<1.0	<1.0	<1.0	5.4	<1.0	**12**	<1.0	**5.1**
Propionic Acid (C3)	ND	NS	NA	ND	ND	ND	**41.8**	ND	ND	<1.0	<1.0	**1100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Pyruvic Acid (C3)	ND	NS	NA	ND	**0.3**	ND	ND	ND	ND	<1.0	<0.1	<25	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Butyric Acid (C4)	ND	NS	NA	ND	ND	ND	D	ND	**22.7**	<0.1	<1.0	**500**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)	**1.42**	DRY	MIS	**7.2***	***1.29**	**0.77**	**2.86**	**0.87**	**9.68**	**^3.98**	**5.03**	NS	**5.2**	NA	**2.38**	**0.95**	**1.3**	DRY	DRY	DRY	DRY
Redox (mV)	**-68**	DRY	MIS	**162***	***-23**	**-141**	**-70**	**84**	**-132**	**55**	**255**	NS	**-154**	NA	**61**	**-95**	**-78**	DRY	DRY	DRY	DRY
Conductivity (mS)	**1.58**	DRY	MIS	**1.1**	**1.34**	**1.13**	**0.25**	**2.81**	NA	**4.16**	**10.57**	NS	**30.4**	NA	**0.49**	**1.81**	**34.6**	DRY	DRY	DRY	DRY
Iron, dissolved (mg/L)	ND	DRY	MIS	ND	ND	ND	**4.4**	ND	**4.6**	**0.2**	too turbid	NS	**3.5**	NA	too turbid	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	DRY
Alkalinity (mg/L)	**120**	DRY	MIS	**85**	**100**	**100**	**1000**	**240**	**1200**	**160**	too turbid	NS	**360**	NA	too turbid	**160**	**200**	**680**	**280**	**380**	DRY
Carbon Dioxide (mg/L)	**20.8**	DRY	MIS	**49.8**	**50**	**40**	**268**	**26**	**2200**	**220**	too turbid	NS	TBC from Alk	NA	too turbid	**64**	**0**	**380**	**170**	**100**	DRY

TABLE 4
COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	OWS-302-S																				
Analyte	7/19/01	9/26/01	10/18/01	1/28/02	4/9/02	7/29/02	10/15/02	1/28/03	4/7/03	10/30/03	4/8/04	10/27/04	4/6/05	10/12/05	5/16/06	10/17/06	4/25/07	11/14/07	4/30/08	10/15/08	4/23/09
INORGANICS (mg/L)																					
Nitrite Nitrogen	NA	NS	**0.143**	NA	NA	**0.03008**	NA	NA	**0.0279**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate/Nitrite Nitrogen	NA	NS	NA	NA	NA	**0.0576**	NA	NA	**0.147**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NS	**1600**	NA	NA	NA	NA	NA	**2370**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Organic Carbon	NA	NS	NA	NA	NA	**148**	NA	NA	**52.6**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**604**	NA	NA
Nitrate Nitrogen	NA	NS	ND	NA	NA	ND	NA	NA	**0.119**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Alkalinity	NA	NS	**69.7**	NA	NA	**696**	NA	NA	**350**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NS	**228**	NA	NA	NS	NA	NA	**407**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Sulfide	NA	NS	**3**	NA	NA	NS	NA	NA	**2.49**	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	NA	NA
Total Iron	NA	NS	NA	NA	NA	NS	NA	NA	**260**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Manganese	NA	NS	NA	NA	NA	NS	NA	NA	**5.62**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)													10x Dil.	10x Dil.	10x Dil						2x Dil.
Lactic Acid (C3)	NA	NS	NA	ND	**13.4**	**4.6**	ND	ND	ND	<1.0	<1.0	<1.0	<10	<10	<10	<1.0	<1.0	<1.0	<5.0	NA	**3.2**
Acetic Acid (C2)	NA	NS	NA	ND	**293**	**286**	**240**	**297**	**90.8**	**443**	**623**	**65**	**290**	**1000**	**890**	**100**	**110**	**190**	**910**	NA	**770**
Propionic Acid (C3)	NA	NS	NA	ND	**9.8**	ND	ND	ND	ND	<1.0	<1.0	<1.0	<10	**150**	**120**	**17**	**6**	**24**	**190**	NA	**220**
Pyruvic Acid (C3)	NA	NS	NA	ND	**0.5**	**1.4**	ND	ND	ND	<0.1	<0.1	<1.0	<50	<5.0	<5.0	<0.5	<0.5	<0.5	<2.5	NA	<1.0
Butyric Acid (C4)	NA	NS	NA	ND	ND	ND	ND	ND	ND	<1.0	**35.3**	<2.0	**23**	**100**	**77**	**14**	**7.9**	**9.8**	**88**	NA	**110**
FIELD PARAMETERS																					
Dissolved Oxygen (mg/L)	DRY	DRY	MIS	NA	***1.74**	**1.24**	**2.23**	***8.50**	**0.11**	**1.7**	***6.88**	NS	**7.26**	NA	NS	**8.19**	**1.46**	DRY	DRY	DRY	DRY
Redox (mV)	DRY	DRY	MIS	NA	***-59**	**-133**	**-122**	**-51**	**-158**	**9**	**78**	NS	**-62**	NA	NS	**38**	**-126**	DRY	DRY	DRY	DRY
Conductivity (mS)	DRY	DRY	MIS	NA	**6.45**	**0.94**	**4.22**	**5.03**	**5.03**	**4.43**	**7.86**	NS	**13.09**	NA	NS	**1.65**	**24.4**	DRY	DRY	DRY	DRY
Iron, dissolved (mg/L)	ND	DRY	MIS	NA	**3.3**	**5.9**	**5.2**	**3.8**	NA	**3**	**3.4**	NS	NA	NA	NS	**1.3**	**2.2**	**1.6**	**4**	**0**	DRY
Alkalinity (mg/L)	**640**	DRY	MIS	**580**	**600**	**720**	**820**	**520**	NA	**960**	**1200**	NS	NA	NA	NS	**720**	**520**	**320**	**1040**	**1160**	DRY
Carbon Dioxide (mg/L)	DRY	DRY	MIS	NA	**358**	**260**	**38**	**475**	NA	**730**	**390**	NS	NA	NA	NS	**320**	**234**	Precip	**600**	**264**	DRY



LEGEND:

- SHALLOW GROUND WATER MONITORING WELL, INSTALLED BY NOTHNAGLE DRILLING, 22-23 MAY 1999, UNDER OBSERVATION OF HALEY & ALDRICH OF NEW YORK.
- DEEP GROUND WATER MONITORING WELL, INSTALLED BY NOTHNAGLE DRILLING, 22-23 MAY 1999, UNDER OBSERVATION OF HALEY & ALDRICH OF NEW YORK.
- ANGLE BORING COMPLETED BY NOTHNAGLE DRILLING 22 MAY 1999, UNDER OBSERVATION OF HALEY & ALDRICH OF NEW YORK.
- MW-501 — PROPOSED WELL LOCATION TO BE COMPLETED DURING HRC INJECTION.
- MW-202 — SUBSURFACE BORING AND WELL INSTALLED U NDER THE OBSERVATION OF HALEY & ALDRICH OF NEW YORK, JULY 1997.
- MW-3 — GEOPROBE EXPLORATION AND WELL INSTALLED UNDER THE OBSERVATION OF LABELLA ASSOCIATES.
- MW-402 — SUBSURFACE BORING & WELL INSTALLED BY NOTHNAGLE DRILLING, OCTOBER 1999, UNDER OBSERVATION OF HALEY & ALDRICH OF NEW YORK.
- GROUNDWATER SAMPLES AND GROUNDWATER ELEVATIONS MEASUREMENTS OBTAINED BY HALEY & ALDRICH IN APRIL 2009.
- GROUNDWATER FLOW DIRECTION

NOTES:

1. PLAN BASED ON "ALTA/ASCM LAND TITLE SURVEY MAY" PREPARED BY RONALD W. STAUB LAND SURVEYORS, ROCHESTER, NEW YORK, DATED 17 DECEMBER 1996.
2. GROUNDWATER CONTOURS ARE BASED ON DATA COLLECTED ON 22 APRIL 2009.
3. EXPLORATION LOCATIONS ARE APPROXIMATE.

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W E
S

0 20 40 80
Feet

HALEY & ALDRICH

COOPERVISION FACILITY INVESTIGATION
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

GROUNDWATER CONTOUR PLAN

SCALE: AS SHOWN
SEPTEMBER 2009

FIGURE 1

G:\Projects\70665011\ARCGIS\MXD\APR09_GW_CONT.mxd

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

May 13, 2009

Service Request No: R0902294

Susan Boyle
Haley & Aldrich, Inc.
200 Town Centre Drive
Suite 2
Rochester, NY 14623-4264

Laboratory Results for: Coopervision/70665-013

Dear Susan:

Enclosed are the results of the sample(s) submitted to our laboratory on April 24, 2009. For your reference, these analyses have been assigned our service request number **R0902294**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 134. You may also contact me via email at KBunker@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Karen Bunker

Karen Bunker
Project Manager

NELAP Accredited ACIL Seal of Excellence Award 100% Recycled

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	Haley & Aldrich of New York	**Service Request No.:**	R0902297
Project:	Coopervision #70665-013 5/09	**Date Received:**	4/24/09
Sample Matrix:	Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables. When appropriate to the method, method blank results have been reported with each analytical test. Surrogate recoveries have been reported for all applicable organic analyses. Additional quality control analyses reported herein include: Laboratory Control Sample (LCS).

Sample Receipt

Fourteen (14) water samples were collected on 4/22-24/09 by H&A and received for analysis at Columbia Analytical Services on 4/24/09. The samples were received in good condition and consistent with the accompanying chain of custody form. The cooler temperature upon receipt at the laboratory was 6-7°C. Temperature guidelines are 0-6°C. The client was notified of the exceedence on the Sample Receipt Acknowledgement sent via PDF on 4/27/09. It is also noted on the Cooler Preservation Form in the report.

General Chemistry Parameters & Metals

Five (5) water samples were analyzed for a client specific list of Anion and Cation parameters: Chloride, Sulfate, Total Alkalinity, Nitrate, Nitrite, Sulfide, Ferrous Iron, Total Iron and Dissolved Organic Carbon (DOC). The DOC samples were filtered in the laboratory. The Nitrate/Nitrite analysis and Nitrite analysis was run by alternative method 353.2 instead of IC method 9056 due to the receipt time/holding time for these analyses. The holding times were met for the alternative methods.

All Method numbers are included on the data forms in the report.

All Initial and Continuing Calibration Criteria was met for all analyses.

Four (4) of the 5 Ferrous Iron samples were received and analyzed within the 24 hour holding time for this analysis. One location, OWD-302D (CAS #R0902297-012) was received outside of the holding time guidelines and analyzed upon receipt. The same location was analyzed outside the 7 day holding time for Sulfide analysis due to a laboratory error. It was analyzed on the 8th day from collection. All other analytes were analyzed within the proper holding times.

Metals analysis are reported in ug/L in this report.

Batch QC is included in the report. All Blank Spike Recoveries were within QC limits.

All Laboratory Method Blanks were free from contamination.

No problems were encountered during the analysis of these samples.

Approved by Karen Burdick **Date** 5/13/09

Volatile Organic Compounds

Thirteen (13) water samples and one (1) Trip Blank were analyzed for the TCL of Volatile Organics by GC/MS Method 8260B from SW-846. Six (6) water samples were analyzed for Dissolved Gases by modified GC Method RSK-175. Six (6) waters were analyzed for Metabolic Acids by HPLC methodology.

All Initial and Continuing Calibration Criteria was met for the analytical runs.

Batch QC is included in the report. All Laboratory Control Samples (LCS) recoveries were within QC acceptance limits.

Hits below the Method Reporting Limit (MRL) have been flagged as "J", estimated.

All surrogate recoveries were within acceptance limits.

All samples were analyzed within the appropriate holding times. All vials are checked for preservation after analysis. All samples were found to be preserved to a pH of <2 or the sample analyzed within 7 days from collection for unpreserved aliquots.

The Laboratory Method Blanks were free from contamination. The Trip Blank was free from contamination.

No other problems were encountered during the analysis of these samples.

Semivolatile Organic Compounds

Three (3) water samples were analyzed for 1,4 Dioxane by GC/MS method 8270.

All Initial and Continuing Calibration Criteria was met for the analytical runs.

Batch QC is included in the report. All Laboratory Control Samples (LCS) and Blank Spike/ Blank Spike Duplicate (BS/BSD) recoveries were within QC acceptance limits.

All surrogate recoveries were within acceptance limits except for MW-205 and MW-3 (CAS # R0902294-004 &-009) which were diluted out and flagged as "*" and "D". MW-205 required a dilution due to high levels of non-target compounds in the sample.

All samples were extracted and analyzed within the appropriate holding times. .

The Laboratory Method Blanks were free from contamination.

No other problems were encountered during the analysis of these samples.

Approved by Karen Burke **Date** 5/13/09

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R0902294

Lab ID	Client ID
R0902294-001	MW-202
R0902294-002	MW-203
R0902294-003	MW-204
R0902294-004	MW-205
R0902294-005	MW-2
R0902294-006	MW-304
R0902294-007	MW-401
R0902294-008	MW-402
R0902294-009	MW-3
R0902294-010	MW-501
R0902294-011	MW-502
R0902294-012	OWD-302D
R0902294-013	OWS-302S
R0902294-014	Trip Blank

Columbia Analytical Services™

REPORT QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).

For DoD reports, the J-flag may also be used to indicate that the concentration between two columns for pesticides/Aroclors is greater than 40% difference.

B - Indicates this compound was also detected in the associated method blank at a concentration that may have contributed to the sample result.

B- Metals - Indicates an estimated value. The concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).

E - Indicates that the sample concentration had exceeded the calibration range for that specific analysis.

D - Indicates the sample concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range.

* - Indicates that a quality control parameter has exceeded laboratory limits.

X - See Case Narrative for discussion.

P - This flag is used for a pesticide/Aroclor target concentration when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns.

For DoD reports, the J-flag is used instead of "P".

N - Inorganics- Indicates the matrix spike recovery was outside laboratory limits.

N- Organics- Indicates presumptive evidence of a compound (reported as a tentatively identified compound) based on the mass spectral library search.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1505
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-202	**Units:**	µg/L
Lab Code:	R0902294-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 13:05		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 13:05		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 13:05		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,1-Dichloroethane	**9.3**		5.0	1	NA	5/5/09 13:05		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,1-Dichloroethene	**5.0**		5.0	1	NA	5/5/09 13:05		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 13:05		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 13:05		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 13:05		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1505
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-202	**Units:**	µg/L
Lab Code:	R0902294-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 13:05		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 13:05		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	109	80-123	5/5/09 13:05		
Toluene-d8	96	88-124	5/5/09 13:05		
Dibromofluoromethane	106	89-115	5/5/09 13:05		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09 1604
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-203	**Units:**	µg/L
Lab Code:	R0902294-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 13:33		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 13:33		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 13:33		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,1-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 13:33		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 13:33		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 13:33		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09 1604
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-203	**Units:**	µg/L
Lab Code:	R0902294-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 13:33		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 13:33		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	107	80-123	5/5/09 13:33		
Toluene-d8	96	88-124	5/5/09 13:33		
Dibromofluoromethane	103	89-115	5/5/09 13:33		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1315
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-204	**Units:**	µg/L
Lab Code:	R0902294-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 14:01		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 14:01		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 14:01		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,1-Dichloroethane	**5.6**		5.0	1	NA	5/5/09 14:01		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 14:01		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 14:01		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 14:01		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1315
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-204	**Units:**	µg/L
Lab Code:	R0902294-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 14:01		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 14:01		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	5/5/09 14:01		
Toluene-d8	95	88-124	5/5/09 14:01		
Dibromofluoromethane	106	89-115	5/5/09 14:01		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1315
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-204	**Units:**	µg/L
Lab Code:	R0902294-003	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	**22**		0.94	5	4/28/09	4/30/09 14:18	86422	152039	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
2-Fluorobiphenyl	83	27-114	4/30/09 14:18		
Nitrobenzene-d5	83	22-124	4/30/09 14:18		
p-Terphenyl-d14	83	23-139	4/30/09 14:18		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/24/09 1355
Date Received: 4/24/09

Sample Name: MW-205
Lab Code: R0902294-004

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	**2350**		mg/L	40	1	NA	4/28/09 16:31
Carbon, Dissolved Organic (DOC)	9060	**2040**		mg/L	100	100	NA	5/7/09 20:22
Carbon, Dissolved Organic (DOC)	9060	**2100**		mg/L	100	100	NA	5/7/09 20:30
Carbon, Dissolved Organic (DOC)	9060	**2210**		mg/L	100	100	NA	5/7/09 20:38
Carbon, Dissolved Organic (DOC)	9060	**2220**		mg/L	100	100	NA	5/7/09 20:47
Chloride	9056	**705**		mg/L	20	100	NA	5/6/09 22:41
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	5.0	U	mg/L	5.0	50	NA	4/24/09 17:10
Nitrate as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 14:07
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	NA	4/24/09 17:14
Sulfate	9056	**5.7**		mg/L	2.0	10	NA	5/5/09 07:35
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205		
Lab Code:	R0902294-004	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	**89800**		µg/L	100	1	4/28/09	5/1/09 09:05

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205	**Units:**	µg/L
Lab Code:	R0902294-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	40000	U	40000	2000	NA	5/5/09 14:29		152379	
Benzene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Bromodichloromethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Bromoform	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Bromomethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
2-Butanone (MEK)	20000	U	20000	2000	NA	5/5/09 14:29		152379	
Carbon Disulfide	20000	U	20000	2000	NA	5/5/09 14:29		152379	
Carbon Tetrachloride	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Chlorobenzene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Chloroethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Chloroform	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Chloromethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Dibromochloromethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
1,1-Dichloroethane	**200000**		10000	2000	NA	5/5/09 14:29		152379	
1,2-Dichloroethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
1,1-Dichloroethene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
cis-1,2-Dichloroethene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
trans-1,2-Dichloroethene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
1,2-Dichloropropane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
cis-1,3-Dichloropropene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
trans-1,3-Dichloropropene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Ethylbenzene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
2-Hexanone	20000	U	20000	2000	NA	5/5/09 14:29		152379	
Methylene Chloride	10000	U	10000	2000	NA	5/5/09 14:29		152379	
4-Methyl-2-pentanone (MIBK)	20000	U	20000	2000	NA	5/5/09 14:29		152379	
Styrene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
1,1,2,2-Tetrachloroethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Tetrachloroethene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Toluene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
1,1,1-Trichloroethane	**48000**		10000	2000	NA	5/5/09 14:29		152379	
1,1,2-Trichloroethane	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Trichloroethene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
Vinyl Chloride	10000	U	10000	2000	NA	5/5/09 14:29		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205	**Units:**	µg/L
Lab Code:	R0902294-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	10000	U	10000	2000	NA	5/5/09 14:29		152379	
m,p-Xylenes	10000	U	10000	2000	NA	5/5/09 14:29		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	80-123	5/5/09 14:29		
Toluene-d8	93	88-124	5/5/09 14:29		
Dibromofluoromethane	101	89-115	5/5/09 14:29		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205	**Units:**	µg/L
Lab Code:	R0902294-004	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	7.5	U	7.5	20	4/28/09	4/30/09 14:57	86422	152039	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
2-Fluorobiphenyl	0	*	27-114	4/30/09 14:57	D	
Nitrobenzene-d5	0	*	22-124	4/30/09 14:57	D	
p-Terphenyl-d14	0	*	23-139	4/30/09 14:57	D	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205	**Units:**	µg/L
Lab Code:	R0902294-004	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	**20**		1.0	1	NA	4/28/09 14:51		151421	
Ethylene	**15**		1.0	1	NA	4/28/09 14:51		151421	
Methane	**14**		2.0	1	NA	4/28/09 14:51		151421	
Propane	1.0	U	1.0	1	NA	4/28/09 14:51		151421	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1355
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-205	**Units:**	mg/L
Lab Code:	R0902294-004	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	2.5	U	2.5	5	NA	5/6/09 11:12		152527	
Acetic Acid	**270**		5.0	5	NA	5/6/09 11:12		152527	
Butyric Acid	**1900**		10	5	NA	5/6/09 11:12		152527	
Lactic Acid	5.0	U	5.0	5	NA	5/6/09 11:12		152527	
Propionic Acid	**900**		5.0	5	NA	5/6/09 11:12		152527	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1130
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-2	**Units:**	µg/L
Lab Code:	R0902294-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1.2	1	NA	5/5/09 14:56		152379	
Benzene	5.0	U	5.0	0.42	1	NA	5/5/09 14:56		152379	
Bromodichloromethane	5.0	U	5.0	0.84	1	NA	5/5/09 14:56		152379	
Bromoform	5.0	U	5.0	0.32	1	NA	5/5/09 14:56		152379	
Bromomethane	5.0	U	5.0	0.58	1	NA	5/5/09 14:56		152379	
2-Butanone (MEK)	10	U	10	1.0	1	NA	5/5/09 14:56		152379	
Carbon Disulfide	10	U	10	0.52	1	NA	5/5/09 14:56		152379	
Carbon Tetrachloride	5.0	U	5.0	0.36	1	NA	5/5/09 14:56		152379	
Chlorobenzene	5.0	U	5.0	0.44	1	NA	5/5/09 14:56		152379	
Chloroethane	**9.4**		5.0	0.36	1	NA	5/5/09 14:56		152379	
Chloroform	5.0	U	5.0	0.22	1	NA	5/5/09 14:56		152379	
Chloromethane	5.0	U	5.0	0.96	1	NA	5/5/09 14:56		152379	
Dibromochloromethane	5.0	U	5.0	0.43	1	NA	5/5/09 14:56		152379	
1,1-Dichloroethane	**4.1**	J	5.0	0.64	1	NA	5/5/09 14:56		152379	
1,2-Dichloroethane	5.0	U	5.0	0.42	1	NA	5/5/09 14:56		152379	
1,1-Dichloroethene	5.0	U	5.0	0.59	1	NA	5/5/09 14:56		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	0.48	1	NA	5/5/09 14:56		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	0.45	1	NA	5/5/09 14:56		152379	
1,2-Dichloropropane	5.0	U	5.0	0.36	1	NA	5/5/09 14:56		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	0.38	1	NA	5/5/09 14:56		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	0.25	1	NA	5/5/09 14:56		152379	
Ethylbenzene	5.0	U	5.0	0.43	1	NA	5/5/09 14:56		152379	
2-Hexanone	10	U	10	0.78	1	NA	5/5/09 14:56		152379	
Methylene Chloride	5.0	U	5.0	0.50	1	NA	5/5/09 14:56		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	0.71	1	NA	5/5/09 14:56		152379	
Styrene	5.0	U	5.0	0.37	1	NA	5/5/09 14:56		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.44	1	NA	5/5/09 14:56		152379	
Tetrachloroethene	**0.51**	J	5.0	0.43	1	NA	5/5/09 14:56		152379	
Toluene	5.0	U	5.0	0.42	1	NA	5/5/09 14:56		152379	
1,1,1-Trichloroethane	**5.9**		5.0	0.45	1	NA	5/5/09 14:56		152379	
1,1,2-Trichloroethane	5.0	U	5.0	0.45	1	NA	5/5/09 14:56		152379	
Trichloroethene	5.0	U	5.0	0.63	1	NA	5/5/09 14:56		152379	
Vinyl Chloride	**3.0**	J	5.0	0.52	1	NA	5/5/09 14:56		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1130
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-2	**Units:**	µg/L
Lab Code:	R0902294-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 14:56		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 14:56		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	107	80-123	5/5/09 14:56		
Toluene-d8	93	88-124	5/5/09 14:56		
Dibromofluoromethane	104	89-115	5/5/09 14:56		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1558
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-304	**Units:**	µg/L
Lab Code:	R0902294-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 15:24		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 15:24		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 15:24		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,1-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 15:24		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 15:24		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 15:24		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1558
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-304	**Units:**	µg/L
Lab Code:	R0902294-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 15:24		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 15:24		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	104	80-123	5/5/09 15:24		
Toluene-d8	92	88-124	5/5/09 15:24		
Dibromofluoromethane	102	89-115	5/5/09 15:24		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09 1345
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-401	**Units:**	µg/L
Lab Code:	R0902294-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 15:52		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 15:52		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 15:52		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,1-Dichloroethane	**94**		5.0	1	NA	5/5/09 15:52		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 15:52		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 15:52		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 15:52		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09 1345
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-401	**Units:**	µg/L
Lab Code:	R0902294-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 15:52		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 15:52		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	80-123	5/5/09 15:52		
Toluene-d8	93	88-124	5/5/09 15:52		
Dibromofluoromethane	102	89-115	5/5/09 15:52		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/23/09 1410
Date Received: 4/24/09

Sample Name: MW-402
Lab Code: R0902294-008

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 16:23		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 16:23		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 16:23		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,1-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 16:23		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 16:23		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 16:23		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1410
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-402	**Units:**	µg/L
Lab Code:	R0902294-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 16:23		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 16:23		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	100	80-123	5/5/09 16:23		
Toluene-d8	89	88-124	5/5/09 16:23		
Dibromofluoromethane	97	89-115	5/5/09 16:23		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/24/09 0818
Date Received: 4/24/09

Sample Name: MW-3
Lab Code: R0902294-009

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	**242**		mg/L	20	1	NA	4/28/09 10:36
Carbon, Dissolved Organic (DOC)	9060	**7.0**		mg/L	1.0	1	NA	5/8/09 04:23
Carbon, Dissolved Organic (DOC)	9060	**6.0**		mg/L	1.0	1	NA	5/8/09 04:31
Carbon, Dissolved Organic (DOC)	9060	**6.2**		mg/L	1.0	1	NA	5/8/09 04:39
Carbon, Dissolved Organic (DOC)	9060	**5.8**		mg/L	1.0	1	NA	5/8/09 04:48
Chloride	9056	**288**		mg/L	20	100	NA	5/6/09 22:55
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	**0.32**		mg/L	0.10	1	NA	4/24/09 17:10
Nitrate as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 14:08
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	NA	4/24/09 17:17
Sulfate	9056	2.0	U	mg/L	2.0	10	NA	5/5/09 07:52
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0818
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-3		
Lab Code:	R0902294-009	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	**36400**		µg/L	100	1	4/28/09	5/1/09 09:35

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/24/09 0818
Date Received: 4/24/09

Sample Name: MW-3
Lab Code: R0902294-009

Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	400	U	400	20	NA	5/5/09 16:51		152379	
Benzene	100	U	100	20	NA	5/5/09 16:51		152379	
Bromodichloromethane	100	U	100	20	NA	5/5/09 16:51		152379	
Bromoform	100	U	100	20	NA	5/5/09 16:51		152379	
Bromomethane	100	U	100	20	NA	5/5/09 16:51		152379	
2-Butanone (MEK)	200	U	200	20	NA	5/5/09 16:51		152379	
Carbon Disulfide	200	U	200	20	NA	5/5/09 16:51		152379	
Carbon Tetrachloride	100	U	100	20	NA	5/5/09 16:51		152379	
Chlorobenzene	100	U	100	20	NA	5/5/09 16:51		152379	
Chloroethane	**3100**		100	20	NA	5/5/09 16:51		152379	
Chloroform	100	U	100	20	NA	5/5/09 16:51		152379	
Chloromethane	100	U	100	20	NA	5/5/09 16:51		152379	
Dibromochloromethane	100	U	100	20	NA	5/5/09 16:51		152379	
1,1-Dichloroethane	**380**		100	20	NA	5/5/09 16:51		152379	
1,2-Dichloroethane	100	U	100	20	NA	5/5/09 16:51		152379	
1,1-Dichloroethene	100	U	100	20	NA	5/5/09 16:51		152379	
cis-1,2-Dichloroethene	100	U	100	20	NA	5/5/09 16:51		152379	
trans-1,2-Dichloroethene	100	U	100	20	NA	5/5/09 16:51		152379	
1,2-Dichloropropane	100	U	100	20	NA	5/5/09 16:51		152379	
cis-1,3-Dichloropropene	100	U	100	20	NA	5/5/09 16:51		152379	
trans-1,3-Dichloropropene	100	U	100	20	NA	5/5/09 16:51		152379	
Ethylbenzene	100	U	100	20	NA	5/5/09 16:51		152379	
2-Hexanone	200	U	200	20	NA	5/5/09 16:51		152379	
Methylene Chloride	100	U	100	20	NA	5/5/09 16:51		152379	
4-Methyl-2-pentanone (MIBK)	200	U	200	20	NA	5/5/09 16:51		152379	
Styrene	100	U	100	20	NA	5/5/09 16:51		152379	
1,1,2,2-Tetrachloroethane	100	U	100	20	NA	5/5/09 16:51		152379	
Tetrachloroethene	100	U	100	20	NA	5/5/09 16:51		152379	
Toluene	100	U	100	20	NA	5/5/09 16:51		152379	
1,1,1-Trichloroethane	100	U	100	20	NA	5/5/09 16:51		152379	
1,1,2-Trichloroethane	100	U	100	20	NA	5/5/09 16:51		152379	
Trichloroethene	100	U	100	20	NA	5/5/09 16:51		152379	
Vinyl Chloride	**690**		100	20	NA	5/5/09 16:51		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0818
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-3	**Units:**	µg/L
Lab Code:	R0902294-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	100	U	100	20	NA	5/5/09 16:51		152379	
m,p-Xylenes	100	U	100	20	NA	5/5/09 16:51		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	5/5/09 16:51		
Toluene-d8	95	88-124	5/5/09 16:51		
Dibromofluoromethane	107	89-115	5/5/09 16:51		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0818
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-3	**Units:**	µg/L
Lab Code:	R0902294-009	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	**75**		3.8	20	4/28/09	4/30/09 16:55	86422	152039	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q	Note
2-Fluorobiphenyl	0	*	27-114	4/30/09 16:55	D	
Nitrobenzene-d5	0	*	22-124	4/30/09 16:55	D	
p-Terphenyl-d14	0	*	23-139	4/30/09 16:55	D	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0818
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-3	**Units:**	µg/L
Lab Code:	R0902294-009	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	20	U	20	20	NA	4/29/09 13:27		151694	
Ethylene	20	U	20	20	NA	4/29/09 13:27		151694	
Methane	**1000**		40	20	NA	4/29/09 13:27		151694	
Propane	20	U	20	20	NA	4/29/09 13:27		151694	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0818
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-3	**Units:**	mg/L
Lab Code:	R0902294-009	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	5/6/09 12:15		152527	
Acetic Acid	**12**		1.0	1	NA	5/6/09 12:15		152527	
Butyric Acid	2.0	U	2.0	1	NA	5/6/09 12:15		152527	
Lactic Acid	1.0	U	1.0	1	NA	5/6/09 12:15		152527	
Propionic Acid	1.0	U	1.0	1	NA	5/6/09 12:15		152527	

Comments:

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/24/09 0846
Date Received: 4/24/09

Sample Name: MW-501
Lab Code: R0902294-010

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	**318**		mg/L	20	1	NA	4/28/09 10:36
Carbon, Dissolved Organic (DOC)	9060	**5.1**		mg/L	1.0	1	NA	5/6/09 23:35
Carbon, Dissolved Organic (DOC)	9060	**5.2**		mg/L	1.0	1	NA	5/6/09 23:43
Carbon, Dissolved Organic (DOC)	9060	**5.3**		mg/L	1.0	1	NA	5/6/09 23:53
Carbon, Dissolved Organic (DOC)	9060	**5.7**		mg/L	1.0	1	NA	5/6/09 23:27
Chloride	9056	**2240**		mg/L	80	400	NA	5/7/09 17:25
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	**0.66**		mg/L	0.10	1	NA	4/24/09 17:10
Nitrate as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 14:09
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	NA	4/24/09 17:17
Sulfate	9056	**9.4**		mg/L	2.0	10	NA	5/5/09 08:10
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0846
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-501		
Lab Code:	R0902294-010	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	**8890**		µg/L	100	1	4/28/09	5/1/09 09:41

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0846
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-501	**Units:**	µg/L
Lab Code:	R0902294-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	100	U	100	5	NA	5/5/09 17:19		152379	
Benzene	25	U	25	5	NA	5/5/09 17:19		152379	
Bromodichloromethane	25	U	25	5	NA	5/5/09 17:19		152379	
Bromoform	25	U	25	5	NA	5/5/09 17:19		152379	
Bromomethane	25	U	25	5	NA	5/5/09 17:19		152379	
2-Butanone (MEK)	50	U	50	5	NA	5/5/09 17:19		152379	
Carbon Disulfide	50	U	50	5	NA	5/5/09 17:19		152379	
Carbon Tetrachloride	25	U	25	5	NA	5/5/09 17:19		152379	
Chlorobenzene	25	U	25	5	NA	5/5/09 17:19		152379	
Chloroethane	**610**		25	5	NA	5/5/09 17:19		152379	
Chloroform	25	U	25	5	NA	5/5/09 17:19		152379	
Chloromethane	25	U	25	5	NA	5/5/09 17:19		152379	
Dibromochloromethane	25	U	25	5	NA	5/5/09 17:19		152379	
1,1-Dichloroethane	**170**		25	5	NA	5/5/09 17:19		152379	
1,2-Dichloroethane	25	U	25	5	NA	5/5/09 17:19		152379	
1,1-Dichloroethene	25	U	25	5	NA	5/5/09 17:19		152379	
cis-1,2-Dichloroethene	25	U	25	5	NA	5/5/09 17:19		152379	
trans-1,2-Dichloroethene	25	U	25	5	NA	5/5/09 17:19		152379	
1,2-Dichloropropane	25	U	25	5	NA	5/5/09 17:19		152379	
cis-1,3-Dichloropropene	25	U	25	5	NA	5/5/09 17:19		152379	
trans-1,3-Dichloropropene	25	U	25	5	NA	5/5/09 17:19		152379	
Ethylbenzene	25	U	25	5	NA	5/5/09 17:19		152379	
2-Hexanone	50	U	50	5	NA	5/5/09 17:19		152379	
Methylene Chloride	25	U	25	5	NA	5/5/09 17:19		152379	
4-Methyl-2-pentanone (MIBK)	50	U	50	5	NA	5/5/09 17:19		152379	
Styrene	25	U	25	5	NA	5/5/09 17:19		152379	
1,1,2,2-Tetrachloroethane	25	U	25	5	NA	5/5/09 17:19		152379	
Tetrachloroethene	25	U	25	5	NA	5/5/09 17:19		152379	
Toluene	25	U	25	5	NA	5/5/09 17:19		152379	
1,1,1-Trichloroethane	25	U	25	5	NA	5/5/09 17:19		152379	
1,1,2-Trichloroethane	25	U	25	5	NA	5/5/09 17:19		152379	
Trichloroethene	25	U	25	5	NA	5/5/09 17:19		152379	
Vinyl Chloride	**71**		25	5	NA	5/5/09 17:19		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0846
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-501	**Units:**	µg/L
Lab Code:	R0902294-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	25	U	25	5	NA	5/5/09 17:19		152379	
m,p-Xylenes	25	U	25	5	NA	5/5/09 17:19		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	110	80-123	5/5/09 17:19		
Toluene-d8	98	88-124	5/5/09 17:19		
Dibromofluoromethane	109	89-115	5/5/09 17:19		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0846
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-501	**Units:**	µg/L
Lab Code:	R0902294-010	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	250	U	250	250	NA	4/29/09 13:51		151694	
Ethylene	250	U	250	250	NA	4/29/09 13:51		151694	
Methane	**15000**		500	250	NA	4/29/09 13:51		151694	
Propane	250	U	250	250	NA	4/29/09 13:51		151694	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 0846
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-501	**Units:**	mg/L
Lab Code:	R0902294-010	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	5/6/09 13:17		152527	
Acetic Acid	1.0	U	1.0	1	NA	5/6/09 13:17		152527	
Butyric Acid	2.0	U	2.0	1	NA	5/6/09 13:17		152527	
Lactic Acid	1.0	U	1.0	1	NA	5/6/09 13:17		152527	
Propionic Acid	1.0	U	1.0	1	NA	5/6/09 13:17		152527	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1015
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-502		
Lab Code:	R0902294-011	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	**742**		mg/L	20	1	NA	4/28/09 10:36
Carbon, Dissolved Organic (DOC)	9060	**10.6**		mg/L	1.0	1	NA	5/7/09 00:10
Carbon, Dissolved Organic (DOC)	9060	**11.8**		mg/L	1.0	1	NA	5/7/09 00:18
Carbon, Dissolved Organic (DOC)	9060	**12.5**		mg/L	1.0	1	NA	5/7/09 00:27
Carbon, Dissolved Organic (DOC)	9060	**13.9**		mg/L	1.0	1	NA	5/7/09 00:01
Chloride	9056	**476**		mg/L	20	100	NA	5/6/09 23:23
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	**2.40**		mg/L	0.10	1	NA	4/24/09 17:10
Nitrate as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 14:13
Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	5	NA	4/24/09 17:50
Sulfate	9056	2.0	U	mg/L	2.0	10	NA	5/5/09 08:27
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1015
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-502		
Lab Code:	R0902294-011	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	**987000**		µg/L	2000	20	4/28/09	5/5/09 10:39

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1015
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-502	**Units:**	µg/L
Lab Code:	R0902294-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	1000	U	1000	50	NA	5/5/09 17:46		152379	
Benzene	250	U	250	50	NA	5/5/09 17:46		152379	
Bromodichloromethane	250	U	250	50	NA	5/5/09 17:46		152379	
Bromoform	250	U	250	50	NA	5/5/09 17:46		152379	
Bromomethane	250	U	250	50	NA	5/5/09 17:46		152379	
2-Butanone (MEK)	500	U	500	50	NA	5/5/09 17:46		152379	
Carbon Disulfide	500	U	500	50	NA	5/5/09 17:46		152379	
Carbon Tetrachloride	250	U	250	50	NA	5/5/09 17:46		152379	
Chlorobenzene	250	U	250	50	NA	5/5/09 17:46		152379	
Chloroethane	**7800**		250	50	NA	5/5/09 17:46		152379	
Chloroform	250	U	250	50	NA	5/5/09 17:46		152379	
Chloromethane	250	U	250	50	NA	5/5/09 17:46		152379	
Dibromochloromethane	250	U	250	50	NA	5/5/09 17:46		152379	
1,1-Dichloroethane	250	U	250	50	NA	5/5/09 17:46		152379	
1,2-Dichloroethane	250	U	250	50	NA	5/5/09 17:46		152379	
1,1-Dichloroethene	250	U	250	50	NA	5/5/09 17:46		152379	
cis-1,2-Dichloroethene	250	U	250	50	NA	5/5/09 17:46		152379	
trans-1,2-Dichloroethene	250	U	250	50	NA	5/5/09 17:46		152379	
1,2-Dichloropropane	250	U	250	50	NA	5/5/09 17:46		152379	
cis-1,3-Dichloropropene	250	U	250	50	NA	5/5/09 17:46		152379	
trans-1,3-Dichloropropene	250	U	250	50	NA	5/5/09 17:46		152379	
Ethylbenzene	250	U	250	50	NA	5/5/09 17:46		152379	
2-Hexanone	500	U	500	50	NA	5/5/09 17:46		152379	
Methylene Chloride	250	U	250	50	NA	5/5/09 17:46		152379	
4-Methyl-2-pentanone (MIBK)	500	U	500	50	NA	5/5/09 17:46		152379	
Styrene	250	U	250	50	NA	5/5/09 17:46		152379	
1,1,2,2-Tetrachloroethane	250	U	250	50	NA	5/5/09 17:46		152379	
Tetrachloroethene	250	U	250	50	NA	5/5/09 17:46		152379	
Toluene	250	U	250	50	NA	5/5/09 17:46		152379	
1,1,1-Trichloroethane	250	U	250	50	NA	5/5/09 17:46		152379	
1,1,2-Trichloroethane	250	U	250	50	NA	5/5/09 17:46		152379	
Trichloroethene	250	U	250	50	NA	5/5/09 17:46		152379	
Vinyl Chloride	250	U	250	50	NA	5/5/09 17:46		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1015
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-502	**Units:**	µg/L
Lab Code:	R0902294-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	250	U	250	50	NA	5/5/09 17:46		152379	
m,p-Xylenes	250	U	250	50	NA	5/5/09 17:46		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	106	80-123	5/5/09 17:46		
Toluene-d8	95	88-124	5/5/09 17:46		
Dibromofluoromethane	103	89-115	5/5/09 17:46		

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/24/09 1015
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	MW-502	**Units:**	µg/L
Lab Code:	R0902294-011	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	150	U	150	150	NA	4/29/09 14:21		151694	
Ethylene	150	U	150	150	NA	4/29/09 14:21		151694	
Methane	**8800**		300	150	NA	4/29/09 14:21		151694	
Propane	150	U	150	150	NA	4/29/09 14:21		151694	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Sample Name: MW-502
Lab Code: R0902294-011

Service Request: R0902294
Date Collected: 4/24/09 1015
Date Received: 4/24/09

Units: mg/L
Basis: NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	5/6/09 14:20		152527	
Acetic Acid	7.7		1.0	1	NA	5/6/09 14:20		152527	
Butyric Acid	2.0	U	2.0	1	NA	5/6/09 14:20		152527	
Lactic Acid	1.0	U	1.0	1	NA	5/6/09 14:20		152527	
Propionic Acid	1.0	U	1.0	1	NA	5/6/09 14:20		152527	

Comments:

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: 4/23/09 0954
Date Received: 4/24/09

Sample Name: OWD-302D
Lab Code: R0902294-012

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	**240**		mg/L	20	1	NA	4/28/09 10:36
Carbon, Dissolved Organic (DOC)	9060	**5.1**		mg/L	1.0	1	NA	5/7/09 00:44
Carbon, Dissolved Organic (DOC)	9060	**4.8**		mg/L	1.0	1	NA	5/7/09 00:52
Carbon, Dissolved Organic (DOC)	9060	**5.0**		mg/L	1.0	1	NA	5/7/09 01:01
Carbon, Dissolved Organic (DOC)	9060	**4.9**		mg/L	1.0	1	NA	5/7/09 00:36
Chloride	9056	**1830**		mg/L	80	400	NA	5/7/09 17:39
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	**0.56**		mg/L	0.10	1	NA	4/24/09 17:10
Nitrate as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 14:14
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	NA	4/24/09 17:18
Sulfate	9056	**153**		mg/L	4.0	20	NA	5/6/09 16:33
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 0954
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWD-302D		
Lab Code:	R0902294-012	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	**152000**		µg/L	1000	10	4/28/09	5/5/09 10:51

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 0954
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWD-302D	**Units:**	µg/L
Lab Code:	R0902294-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	100	U	100	5	NA	5/5/09 18:14		152379	
Benzene	25	U	25	5	NA	5/5/09 18:14		152379	
Bromodichloromethane	25	U	25	5	NA	5/5/09 18:14		152379	
Bromoform	25	U	25	5	NA	5/5/09 18:14		152379	
Bromomethane	25	U	25	5	NA	5/5/09 18:14		152379	
2-Butanone (MEK)	50	U	50	5	NA	5/5/09 18:14		152379	
Carbon Disulfide	50	U	50	5	NA	5/5/09 18:14		152379	
Carbon Tetrachloride	25	U	25	5	NA	5/5/09 18:14		152379	
Chlorobenzene	25	U	25	5	NA	5/5/09 18:14		152379	
Chloroethane	**69**		25	5	NA	5/5/09 18:14		152379	
Chloroform	25	U	25	5	NA	5/5/09 18:14		152379	
Chloromethane	25	U	25	5	NA	5/5/09 18:14		152379	
Dibromochloromethane	25	U	25	5	NA	5/5/09 18:14		152379	
1,1-Dichloroethane	**510**		25	5	NA	5/5/09 18:14		152379	
1,2-Dichloroethane	25	U	25	5	NA	5/5/09 18:14		152379	
1,1-Dichloroethene	25	U	25	5	NA	5/5/09 18:14		152379	
cis-1,2-Dichloroethene	25	U	25	5	NA	5/5/09 18:14		152379	
trans-1,2-Dichloroethene	25	U	25	5	NA	5/5/09 18:14		152379	
1,2-Dichloropropane	25	U	25	5	NA	5/5/09 18:14		152379	
cis-1,3-Dichloropropene	25	U	25	5	NA	5/5/09 18:14		152379	
trans-1,3-Dichloropropene	25	U	25	5	NA	5/5/09 18:14		152379	
Ethylbenzene	25	U	25	5	NA	5/5/09 18:14		152379	
2-Hexanone	50	U	50	5	NA	5/5/09 18:14		152379	
Methylene Chloride	25	U	25	5	NA	5/5/09 18:14		152379	
4-Methyl-2-pentanone (MIBK)	50	U	50	5	NA	5/5/09 18:14		152379	
Styrene	25	U	25	5	NA	5/5/09 18:14		152379	
1,1,2,2-Tetrachloroethane	25	U	25	5	NA	5/5/09 18:14		152379	
Tetrachloroethene	25	U	25	5	NA	5/5/09 18:14		152379	
Toluene	25	U	25	5	NA	5/5/09 18:14		152379	
1,1,1-Trichloroethane	25	U	25	5	NA	5/5/09 18:14		152379	
1,1,2-Trichloroethane	25	U	25	5	NA	5/5/09 18:14		152379	
Trichloroethene	25	U	25	5	NA	5/5/09 18:14		152379	
Vinyl Chloride	25	U	25	5	NA	5/5/09 18:14		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 0954
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWD-302D	**Units:**	µg/L
Lab Code:	R0902294-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	25	U	25	5	NA	5/5/09 18:14		152379	
m,p-Xylenes	25	U	25	5	NA	5/5/09 18:14		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	5/5/09 18:14		
Toluene-d8	99	88-124	5/5/09 18:14		
Dibromofluoromethane	105	89-115	5/5/09 18:14		

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 0954
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWD-302D	**Units:**	µg/L
Lab Code:	R0902294-012	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	50	U	50	50	NA	4/29/09 16:06		151694	
Ethylene	50	U	50	50	NA	4/29/09 16:06		151694	
Methane	**3400**		100	50	NA	4/29/09 16:06		151694	
Propane	50	U	50	50	NA	4/29/09 16:06		151694	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 0954
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWD-302D	**Units:**	mg/L
Lab Code:	R0902294-012	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	5/6/09 15:23		152527	
Acetic Acid	**5.1**		1.0	1	NA	5/6/09 15:23		152527	
Butyric Acid	2.0	U	2.0	1	NA	5/6/09 15:23		152527	
Lactic Acid	1.0	U	1.0	1	NA	5/6/09 15:23		152527	
Propionic Acid	1.0	U	1.0	1	NA	5/6/09 15:23		152527	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1010
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWS-302S	**Units:**	µg/L
Lab Code:	R0902294-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	10000	U	10000	500	NA	5/5/09 18:42		152379	
Benzene	2500	U	2500	500	NA	5/5/09 18:42		152379	
Bromodichloromethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
Bromoform	2500	U	2500	500	NA	5/5/09 18:42		152379	
Bromomethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
2-Butanone (MEK)	5000	U	5000	500	NA	5/5/09 18:42		152379	
Carbon Disulfide	5000	U	5000	500	NA	5/5/09 18:42		152379	
Carbon Tetrachloride	2500	U	2500	500	NA	5/5/09 18:42		152379	
Chlorobenzene	2500	U	2500	500	NA	5/5/09 18:42		152379	
Chloroethane	**62000**		2500	500	NA	5/5/09 18:42		152379	
Chloroform	2500	U	2500	500	NA	5/5/09 18:42		152379	
Chloromethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
Dibromochloromethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,1-Dichloroethane	**2900**		2500	500	NA	5/5/09 18:42		152379	
1,2-Dichloroethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,1-Dichloroethene	2500	U	2500	500	NA	5/5/09 18:42		152379	
cis-1,2-Dichloroethene	2500	U	2500	500	NA	5/5/09 18:42		152379	
trans-1,2-Dichloroethene	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,2-Dichloropropane	2500	U	2500	500	NA	5/5/09 18:42		152379	
cis-1,3-Dichloropropene	2500	U	2500	500	NA	5/5/09 18:42		152379	
trans-1,3-Dichloropropene	2500	U	2500	500	NA	5/5/09 18:42		152379	
Ethylbenzene	2500	U	2500	500	NA	5/5/09 18:42		152379	
2-Hexanone	5000	U	5000	500	NA	5/5/09 18:42		152379	
Methylene Chloride	2500	U	2500	500	NA	5/5/09 18:42		152379	
4-Methyl-2-pentanone (MIBK)	5000	U	5000	500	NA	5/5/09 18:42		152379	
Styrene	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,1,2,2-Tetrachloroethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
Tetrachloroethene	2500	U	2500	500	NA	5/5/09 18:42		152379	
Toluene	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,1,1-Trichloroethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
1,1,2-Trichloroethane	2500	U	2500	500	NA	5/5/09 18:42		152379	
Trichloroethene	2500	U	2500	500	NA	5/5/09 18:42		152379	
Vinyl Chloride	2500	U	2500	500	NA	5/5/09 18:42		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1010
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWS-302S	**Units:**	µg/L
Lab Code:	R0902294-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	2500	U	2500	500	NA	5/5/09 18:42		152379	
m,p-Xylenes	2500	U	2500	500	NA	5/5/09 18:42		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	111	80-123	5/5/09 18:42		
Toluene-d8	99	88-124	5/5/09 18:42		
Dibromofluoromethane	106	89-115	5/5/09 18:42		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Sample Name: OWS-302S
Lab Code: R0902294-013

Service Request: R0902294
Date Collected: 4/23/09 1010
Date Received: 4/24/09

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	10	U	10	10	NA	4/29/09 16:25		151694	
Ethylene	10	U	10	10	NA	4/29/09 16:25		151694	
Methane	**830**		20	10	NA	4/29/09 16:25		151694	
Propane	10	U	10	10	NA	4/29/09 16:25		151694	

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/23/09 1010
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	OWS-302S	**Units:**	mg/L
Lab Code:	R0902294-013	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	1.0	U	1.0	2	NA	5/6/09 16:26		152527	
Acetic Acid	**770**		2.0	2	NA	5/6/09 16:26		152527	
Butyric Acid	**110**		4.0	2	NA	5/6/09 16:26		152527	
Lactic Acid	**3.2**		2.0	2	NA	5/6/09 16:26		152527	
Propionic Acid	**220**		2.0	2	NA	5/6/09 16:26		152527	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	R0902294-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 19:10		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 19:10		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 19:10		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,1-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 19:10		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 19:10		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 19:10		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	4/22/09
Sample Matrix:	Water	**Date Received:**	4/24/09
Sample Name:	Trip Blank	**Units:**	µg/L
Lab Code:	R0902294-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 19:10		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 19:10		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	5/5/09 19:10		
Toluene-d8	97	88-124	5/5/09 19:10		
Dibromofluoromethane	106	89-115	5/5/09 19:10		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: R0902294-MB1

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	2.0	U	mg/L	2.0	1	NA	4/28/09 10:36
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/6/09 18:52
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/6/09 19:00
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/6/09 19:08
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/6/09 19:17
Chloride	9056	0.20	U	mg/L	0.20	1	NA	5/6/09 17:29
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	0.10	U	mg/L	0.10	1	NA	4/24/09 17:10
Nitrate+Nitrite as Nitrogen	353.2	0.050	U	mg/L	0.050	1	NA	5/1/09 13:45
Nitrite as Nitrogen	353.2	0.010	U	mg/L	0.010	1	NA	4/24/09 17:12
Sulfate	9056	0.20	U	mg/L	0.20	1	NA	5/5/09 00:59
Sulfide, Acid-Soluble	9034	1.0	U	mg/L	1.0	1	5/ 1/09	5/1/09 08:30

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R0902294-MB2	**Basis:**	NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO3, Total	SM 2320 B	2.0	U	mg/L	2.0	1	NA	4/28/09 16:31
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/7/09 14:04
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/7/09 14:12
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/7/09 14:20
Carbon, Dissolved Organic (DOC)	9060	1.0	U	mg/L	1.0	1	NA	5/7/09 14:30
Chloride	9056	0.20	U	mg/L	0.20	1	NA	5/7/09 11:31

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R0902294-MB	**Basis:**	NA

Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Total	6010B	100	U	µg/L	100	1	4/28/09	5/1/09 08:48

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0903267-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Acetone	20	U	20	1	NA	5/5/09 12:10		152379	
Benzene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Bromodichloromethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Bromoform	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Bromomethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
2-Butanone (MEK)	10	U	10	1	NA	5/5/09 12:10		152379	
Carbon Disulfide	10	U	10	1	NA	5/5/09 12:10		152379	
Carbon Tetrachloride	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Chlorobenzene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Chloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Chloroform	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Chloromethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Dibromochloromethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,1-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,2-Dichloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,1-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
cis-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
trans-1,2-Dichloroethene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,2-Dichloropropane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
cis-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
trans-1,3-Dichloropropene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Ethylbenzene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
2-Hexanone	10	U	10	1	NA	5/5/09 12:10		152379	
Methylene Chloride	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
4-Methyl-2-pentanone (MIBK)	10	U	10	1	NA	5/5/09 12:10		152379	
Styrene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,1,2,2-Tetrachloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Tetrachloroethene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Toluene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,1,1-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
1,1,2-Trichloroethane	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Trichloroethene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
Vinyl Chloride	5.0	U	5.0	1	NA	5/5/09 12:10		152379	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0903267-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
o-Xylene	5.0	U	5.0	1	NA	5/5/09 12:10		152379	
m,p-Xylenes	5.0	U	5.0	1	NA	5/5/09 12:10		152379	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	110	80-123	5/5/09 12:10		
Toluene-d8	98	88-124	5/5/09 12:10		
Dibromofluoromethane	108	89-115	5/5/09 12:10		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0903007-01	**Basis:**	NA

Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	0.20	U	0.20	1	4/28/09	4/30/09 12:21	86422	152039	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
2-Fluorobiphenyl	81	27-114	4/30/09 12:21		
Nitrobenzene-d5	86	22-124	4/30/09 12:21		
p-Terphenyl-d14	98	23-139	4/30/09 12:21		

Comments:

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/L
Lab Code:	RQ0903324-01	**Basis:**	NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	5/6/09 09:41		152527	
Acetic Acid	1.0	U	1.0	1	NA	5/6/09 09:41		152527	
Butyric Acid	2.0	U	2.0	1	NA	5/6/09 09:41		152527	
Lactic Acid	1.0	U	1.0	1	NA	5/6/09 09:41		152527	
Propionic Acid	1.0	U	1.0	1	NA	5/6/09 09:41		152527	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0902986-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	1.0	U	1.0	1	NA	4/28/09 10:15		151421	
Ethylene	1.0	U	1.0	1	NA	4/28/09 10:15		151421	
Methane	2.0	U	2.0	1	NA	4/28/09 10:15		151421	
Propane	1.0	U	1.0	1	NA	4/28/09 10:15		151421	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Haley & Aldrich, Incorporated	**Service Request:**	R0902294
Project:	Coopervision/70665-013	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0903045-01	**Basis:**	NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Ethane	1.0	U	1.0	1	NA	4/29/09 10:58		151694	
Ethylene	1.0	U	1.0	1	NA	4/29/09 10:58		151694	
Methane	2.0	U	2.0	1	NA	4/29/09 10:58		151694	
Propane	1.0	U	1.0	1	NA	4/29/09 10:58		151694	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 4/24/09 - 5/ 6/09

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R0902294-LCS1 Result	Expected	% Rec	% Rec Limits
Carbon, Dissolved Organic (DOC)	9060	**10.6**	10.0	106	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**10.3**	10.0	103	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**10.1**	10.0	101	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**9.60**	10.0	96	87 - 120
Chloride	9056	**1.93**	2.00	97	90 - 110
Iron, Divalent (Ferrous Iron)	SM 3500-Fe B.4.c	**0.380**	0.40	95	86 - 114
Nitrate+Nitrite as Nitrogen	353.2	**0.541**	0.500	108	90 - 110
Nitrite as Nitrogen	353.2	**0.243**	0.250	97	90 - 110
Sulfate	9056	**1.81**	2.00	91	90 - 110
Alkalinity as CaCO3, Total	SM 2320 B	**19.0**	20.0	95	93 - 111
Sulfide, Acid-Soluble	9034	**9.10**	13.3	68	61 - 111

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 4/28/09 - 5/ 7/09

Lab Control Sample Summary
General Chemistry Parameters

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R0902294-LCS2 Result	Expected	% Rec	% Rec Limits
Carbon, Dissolved Organic (DOC)	9060	**9.47**	10.0	95	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**10.2**	10.0	102	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**9.92**	10.0	99	87 - 120
Carbon, Dissolved Organic (DOC)	9060	**9.77**	10.0	98	87 - 120
Chloride	9056	**1.94**	2.00	97	90 - 110
Nitrate+Nitrite as Nitrogen	353.2	**0.540**	0.500	108	90 - 110
Alkalinity as CaCO3, Total	SM 2320 B	**962**	1000	96	93 - 111

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 5/ 1/09

Lab Control Sample Summary
Iron, Total, by Inductively Coupled Plasma-Atomic Emission Spectrometry

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R0902294-LCS Result	Expected	% Rec	% Rec Limits
Iron, Total	6010B	**989**	1000	99	80 - 120

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 5/ 5/09

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 152379

Analyte Name	Lab Control Sample RQ0903267-02 Result	Expected	% Rec	% Rec Limits
Acetone	**26.4**	20.0	132	50 - 150
Benzene	**20.5**	20.0	103	70 - 130
Bromodichloromethane	**23.1**	20.0	115	70 - 130
Bromoform	**23.7**	20.0	118	70 - 130
Bromomethane	**18.6**	20.0	93	50 - 150
2-Butanone (MEK)	**27.5**	20.0	137	50 - 150
Carbon Disulfide	**21.8**	20.0	109	70 - 130
Carbon Tetrachloride	**20.2**	20.0	101	70 - 130
Chlorobenzene	**19.8**	20.0	99	70 - 130
Chloroethane	**20.4**	20.0	102	70 - 130
Chloroform	**21.5**	20.0	108	70 - 130
Chloromethane	**20.9**	20.0	105	70 - 130
Dibromochloromethane	**23.3**	20.0	117	70 - 130
1,1-Dichloroethane	**20.8**	20.0	104	70 - 130
1,2-Dichloroethane	**23.3**	20.0	116	70 - 130
1,1-Dichloroethene	**20.5**	20.0	102	70 - 130
cis-1,2-Dichloroethene	**21.0**	20.0	105	70 - 130
trans-1,2-Dichloroethene	**20.7**	20.0	104	70 - 130
1,2-Dichloropropane	**22.1**	20.0	111	70 - 130
cis-1,3-Dichloropropene	**23.2**	20.0	116	70 - 130
trans-1,3-Dichloropropene	**22.4**	20.0	112	70 - 130
Ethylbenzene	**20.3**	20.0	102	70 - 130
2-Hexanone	**23.9**	20.0	119	70 - 130
Methylene Chloride	**21.0**	20.0	105	70 - 130
4-Methyl-2-pentanone (MIBK)	**24.7**	20.0	123	70 - 130
Styrene	**23.2**	20.0	116	70 - 130
1,1,2,2-Tetrachloroethane	**22.6**	20.0	113	70 - 130
Tetrachloroethene	**18.6**	20.0	93	70 - 130
Toluene	**19.8**	20.0	99	70 - 130
1,1,1-Trichloroethane	**19.9**	20.0	100	70 - 130
1,1,2-Trichloroethane	**21.7**	20.0	108	70 - 130
Trichloroethene	**20.5**	20.0	102	70 - 130
Vinyl Chloride	**20.7**	20.0	104	70 - 130
o-Xylene	**20.7**	20.0	103	70 - 130
m,p-Xylenes	**40.5**	40.0	101	70 - 130

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 4/28/09

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 151421

Analyte Name	Lab Control Sample RQ0902986-02 Result	Expected	% Rec	% Rec Limits
Ethane	**170**	144	118	50 - 150
Ethylene	**106**	134	79	50 - 150
Methane	**94.1**	76.4	123	50 - 150
Propane	**259**	211	123	50 - 150

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 4/29/09

Lab Control Sample Summary
Dissolved Gases by GC/FID

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 151694

	Lab Control Sample RQ0903045-02			Duplicate Lab Control Sample RQ0903045-03					
Analyte Name	**Result**	**Expected**	**% Rec**	**Result**	**Expected**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Ethane	**199**	144	138	**186**	144	128	50 - 150	7	30
Ethylene	**180**	134	134	**169**	134	126	50 - 150	6	30
Methane	**102**	76.4	134	**95.2**	76.4	125	50 - 150	7	30
Propane	**278**	211	132	**257**	211	122	50 - 150	8	30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 4/30/09

Lab Control Sample Summary
Low Level Semivolatile Organic Compounds by GC/MS

Analytical Method: 8270C
Prep Method: EPA 3510C

Units: µg/L
Basis: NA

Extraction Lot: 86422

Analyte Name	Lab Control Sample RQ0903007-02 Result	Expected	% Rec	Duplicate Lab Control Sample RQ0903007-03 Result	Expected	% Rec	% Rec Limits	RPD	RPD Limit
1,4-Dioxane	**2.28**	5.00	46	**2.40**	5.00	48	31 - 80	5	30

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Haley & Aldrich, Incorporated
Project: Coopervision/70665-013
Sample Matrix: Water

Service Request: R0902294
Date Analyzed: 5/ 6/09

Lab Control Sample Summary
Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Units: mg/L
Basis: NA

Analysis Lot: 152527

Analyte Name	Lab Control Sample RQ0903324-02 Result	Expected	% Rec	Duplicate Lab Control Sample RQ0903324-03 Result	Expected	% Rec	% Rec Limits	RPD	RPD Limit
Pyruvic Acid	**1.25**	1.07	117	**1.27**	1.07	119	50 - 150	2	30
Acetic Acid	**10.4**	11.1	93	**10.4**	11.1	94	50 - 150	1	30
Butyric Acid	**10.7**	10.2	105	**10.6**	10.2	103	50 - 150	1	30
Lactic Acid	**9.85**	11.1	88	**9.95**	11.1	89	50 - 150	1	30
Propionic Acid	**10.4**	10.1	103	**10.4**	10.1	102	50 - 150	0	30

Comments:

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 2

SR #

CAS Contact

Project Name: COOPERVISION	Project Number: P0605-013
Project Manager: S. BOYLE	Report CC:
Company/Address: HALEY & ALDRICH OF NY 200 TOWN CENTRE DR ROCHESTER, NY 14623	
Phone #: 585-359-9000	FAX#:
Sampler's Signature: DAVID M. NOSTRANT / LISA TUMIEL	Sampler's Printed Name: DAVID M. NOSTRANT / LISA M TUMIEL

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	1,4 DIOXANE	DISSOLVED GASES	ANION	CATION	SOC	METABOLIC ACIDS	REMARKS/ ALTERNATE DESCRIPTION
MW-202	-001	4/23/09	1505	GW	3	X													
MW-203	-002	4/24/09	1604	GW	3	X													
MW-204	-003	4/23/09	1315	GW	5	X							X						
MW-205	-004	4/24/09	1355	GW	16	X							X	X	X	X	X	X	
MW-2	-005	4/24/09	1130	GW	3	X													
MW-304	-006	4/23/09	1558	GW	3	X													
MW-401	-007	4/22/09	1345	GW	3	X													
MW-402	-008	4/23/09	1410	GW	3	X													
MW-3	-009	4/24/09	818	GW	16	X							X	X	X	X	X	X	
MW-501	-010	4/24/09	846	GW	14	X								X	X	X	X	X	

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

R0902294
Haley & Aldrich, Inc.
Coopervision

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
X STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata X Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION # R0902294

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 6.7 °C CUSTODY SEALS: Y / N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: DAVID M. NOSTRANT	Printed Name: Gregory O. Esmerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: H+A	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 4/24/09 1640	Date/Time: 4-24-09 16:40	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

#646

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SR #

CAS Contact

Project Name: Coopervision
Project Number: 20665-013
Project Manager: S. Boyle
Report CC:
Company/Address: Haley & Aldrich of NY, 200 Town Centre Dr. Rochester, NY 14623
Phone #: 585-359-9000
FAX#:
Sampler's Signature: David M. Nostrant / Lisa M. Tumin...
Sampler's Printed Name: [signature] / Lisa M. Tumin...

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	1,4 Dioxane	Dissolved Gases	Anion	Cation	SOC	Metabolic Acids	REMARKS/ ALTERNATE DESCRIPTION
MW-502	-011	4/24/09	1015	GW	14	X							X	X	X	X	X		
~~MW~~ OWD-302D (Dup)	-012	4/23/09	0954	GW	14	X							X	X	X	X	X		
OWS-302S	-013	4/23/09	1010	GW	7	X							X				X		
TRIP BLANK	-014				3	X													

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

R0902294
Haley & Aldrich, Inc.
Coopervision

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
X II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata X Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R0902294

SAMPLE RECEIPT: CONDITION/COOLER TEMP: Ce, 7, 6°C
CUSTODY SEALS: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: [signature]	Signature: [signature]	Signature	Signature	Signature	Signature
Printed Name: David M. Nostrant	Printed Name: Gregory O. Emerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: H&A	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 4/24/09 1640	Date/Time: 4-24-09 16:40	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Haley + Aldrich Submission Number R0902294

Cooler received on 4-24-09 by:_____ **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	(YES)	NO	
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO	
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO	
4.	Did any VOA vials have significant* air bubbles? See below	(YES)	NO	N/A
5.	Were **Ice** or **Ice packs** present?	(YES)	NO	
6.	Where did the bottles originate?		(CAS/ROC), CLIENT	
7.	Temperature of cooler(s) upon receipt:	6°	7°	6°
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	(Yes)
	If No, Explain Below	No	(No)	No

Date/Time Temperatures Taken: 4-24-09 @ 17:05

Thermometer ID: 161 / IR GUN#2 / (IR GUN#3) Reading From: (Temp Blank) / Sample Bottle

If out of Temperature, note packing/ice condition, Client Approval to Run Samples:_____

PC Secondary Review: KB 4/27/09

Cooler Breakdown: Date : 4/27/09 by: AM

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO	
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO	
3.	Were correct containers used for the tests indicated?	(YES)	NO	
4.	Air Samples: Cassettes / Tubes Intact	Canisters Pressurized	Tedlar® Bags Inflated	(N/A)

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH			WC85220C	10/13				
≤2	HNO_3		X	BDB26928	4/10	MW-205/MW502	1ml	BDB26928	<2 for 205, >2 for 502
≤2	H_2SO_4								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-	WC85211B	9/09				
	HCl	*	*	G45A01	3/10				

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Phosp. Acid WC85242B 12/10

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: ✓

Bottle lot numbers: 9-014-002, 111708-1M, 033009-2M, 036133, 030909-1J

Other Comments:

OWS-302-5- One of 3 RSK Vials have Sig. Headspace.

KE

PC Secondary Review: KB 5/13/09

*significant air bubbles are greater than 5-6 mm