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10 June 2004
File No. 70665-009

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

Dear Mr. Sowers:

This letter constitutes the third Remediation progress report under the Voluntary Cleanup Agreement (VCA) between Coopervision, Inc. and the New York State DEC for the site's remediation operation and maintenance. This report covers the period of December 2003 through April 2004.

Activities Performed During Past Quarter: Groundwater samples were collected on 5 through 8 April 2004. Samples were analyzed according to the Proposed Remediation Groundwater Schedule 2004 submitted with the last remediation progress report dated 10 December 2003. A copy of the Proposed Remediation Groundwater Schedule 2004 and the analytical results of the April 2004 sampling event are attached.

In addition to the analytes specified on the Proposed Remediation Groundwater Schedule 2004 three groundwater samples (MW-205, MW-3, and MW-204) were analyzed for 1,4-Dioxane as requested by NYSDEC. NYSDEC split samples at these three locations and the associated analytical reports are also attached.

Results of Sampling to Date: This report includes the results of the April 2004 sampling event. Updated summary tables, associated time series charts, groundwater contours and laboratory analytical reports are also attached. The data is summarized below as to bioremediation trends evident from the data.

Overall site data indicate that reductive dechlorinationprocesses are ongoing site-wide as evidenced by increases in chloroethane, ethane (source area wells only) and chloride ion concentrations. Shifts from parent to biodegradation daughter products are not as evident in this data set compared to the last data set suggesting that the reductive dechlorination rate may be slowing. Metabolic acids (HRC biological breakdown products) are present but declining in concentration which indicates that hydrogen continues to be liberated and consumed, however,

the amount of HRC constituents remaining in the subsurface and available for reductive dechlorination processes may be diminishing.

The following describe specific results:

- **Source Area**: VOC concentrations in the source area continue to exhibit stability, however, biodegradation products including recently detected chloroethane, increasing chloride ion, and ethane concentrations were present in groundwater in MW-205. The VOC concentrations in the source area are most likely sustained by the ongoing desorption of parent VOCs from the soil matrix which may be enhanced by the surfactant action of certain microbial processes. Metabolic acids are present in the source area, but are declining in concentration, indicating that HRC constituents remaining in the source area may be diminishing. However, redox potential at MW-205 specifically remains low and conducive to reductive dechlorination. Processes such as methanogenesis and sulfate reduction that compete with reductive dechlorination for available hydrogen do not appear to be active in the source area.

- **Mid-Gradient Area**: VOC concentrations in mid-gradient wells appear to be stabilizing after a significant decline compared to historical concentrations. Chloroethane and increasing concentrations of chloride ion are evidence of continued dechlorination. Metabolic acids are present in the mid-gradient area, but declining in concentration indicating that HRC constituents remaining may be diminishing.

In summary, results of the April 2004 sampling indicate dechlorination is ongoing, but at a slower rate and HRC appears to be depleting across the site.

Please note that the enclosed tables represent all data as reported from the lab in concentration format (mg/L), however on the time-trend graphs concentrations have been converted to mmol/L to provide better stoichiometric 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 value for each well.

Reports and Deliverables: No reports or deliverables were required since submittal of the last remediation progress report dated 10 December 2003.

Upcoming Schedule: Schedule a meeting with NYSDEC to discuss site progress and future activities for the VCA. The next sampling event is tentatively scheduled for October 2004.

With this submittal we request on behalf of our client CooperVision, Inc., that NYSDEC approve submittal of remediation progress reports on a routine semi-annual schedule corresponding with groundwater sampling events.

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

Sincerely yours,
HALEY & ALDRICH OF NEW YORK

Glenn M. White
Environmental Scientist

Susan L. Boyle
Senior Engineer

Vincent B. Dick
Vice President

Attachments: Distribution
Proposed Remediation Groundwater Schedule 2004
Tables 5
Tables 6
Tables 7
Tables 8
Additional Analytical Parameter Summary Table
Groundwater Contour Plan
Laboratory Analytical Reports

G:\Projects\70665\009\QuarterlyStatusReports\MRVCAJune2004RemRep.doc

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Coopervision Incorporated
Scottsville, New York Facility

Proposed Remediation Groundwater Schedule
2004

April 2004

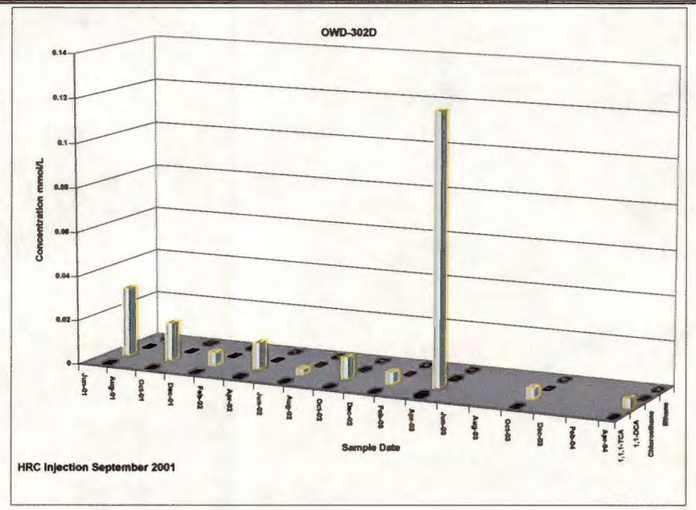
WELL ID	Dissolved Gases	VOCs	Anion List	Cation List	SOC	Metabolic Acids	Field Parameters
MW-202		x					x
MW-203		x					x
MW-204		x					x
MW-205	x	x	x	x	x	x	x
MW-2		x					x
MW-304		x					x
MW-401		x					x
MW-402		x					x
MW-3	x	x	x	x	x	x	x
MW-501	x	x	x	x	x	x	x
MW-502	x	x	x	x	x	x	x
OWD-302-D	x	x	x	x	x	x	x
OWS-302-S	x	x	***	***	***	x	x

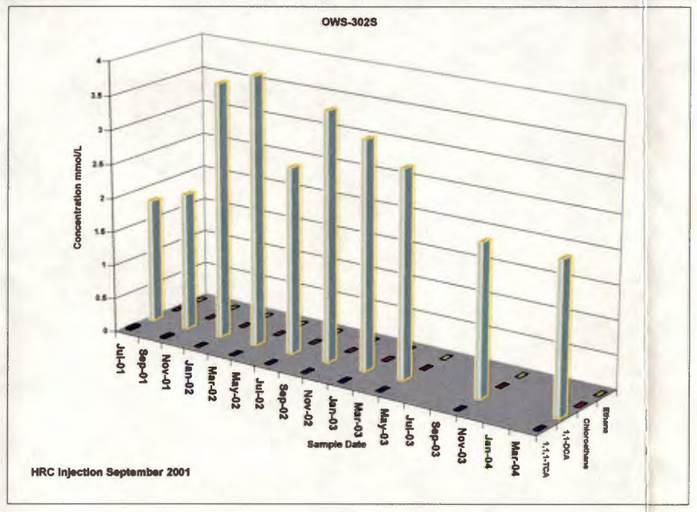
Notes:
1. Dissolved Gases include methane, ethane, and ethene
2. VOCs will be analyzed by EPA Method 8260
3. The Anion List includes sulfate, sulfide, nitrate, nitrite, chloride, and alkalinity
4. The Cation List includes ferrous and total iron
5. Metabolic Acids include lactic, acetic, proprionic, pyruvic, and butyric
6. Field Parameters include dissolved oxygen, temperature, conductivity, oxidation-reduction potential, and pH
7. *** indicates that due to low groundwater yield in well OWS-302-S these analytical parameters have been eliminated from the monitoring program.

TABLE 5
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	OWD-302D													OWS-302S													OWS-302D			OWD-302S	B303-OWD-S	B303-OWD-D
Well Screen Interval (ft):	32.5 - 33.5													13.0 - 14.0													29.5 - 30.5			21.0 - 22.0	19.5 - 20.5	31.0 - 32.0
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	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	6/1/99	10/26/99	4/28/00	4/28/00	6/1/99	6/1/99
Compound:																															
VOLATILE ORGANICS																															
Acetone	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND D	ND	ND	ND	1.8 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	0.18	0.073
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**	**49**	**61 D**	**390**	**180 D**	**200 D**	**370 D**	**390**	**270**	**360**	**330**	**300**	**220**	**250**	**1.5**	**220**	**23**	**350**	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.026**	ND	ND	ND	**0.022 J**	ND	ND	ND	ND	ND	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	**0.94**	ND	**4**	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	**0.22**	ND	**8.8**	**2.4**	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	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	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	**0.0059**	ND	ND	ND	ND	ND	ND	**0.025**	ND	ND	ND	**0.056 J**	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	0.02 J	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	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	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA
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	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	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	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																															
Methane	NA	NA	NA	0.038	0.016	0.013	NA	ND	0.0062	0.03	0.014	NA	0.002	NA	NA	NA	DRY	ND	0	NA	0.0063	NA	0.0016	0.031	0.0086	0.003	NA	NA	NA	DRY	NA	NA
Ethane	NA	NA	NA	0.015	0.0045	0.0041	NA	ND	0.0012	0.0083	0.0038	NA	0.001	NA	NA	NA	DRY	0.008	ND	NA	0.03	NA	0.0034	0.05	0.001	0.0084	NA	NA	NA	DRY	NA	NA
Ethene	NA	NA	NA	0.0013	ND	ND	NA	ND	ND	ND	0.0015	NA	ND	NA	NA	NA	DRY	0.008	ND	NA	0.022	NA	0.0025	0.049	0.007	0.0048	NA	NA	NA	DRY	NA	NA
Propane	NA	NA	NA	0.0056	0.0014	0.0017	NA	ND	ND	NA	ND	NA	ND	NA	NA	NA	DRY	ND	ND	NA	ND	NA	NA	ND	ND	ND	NA	NA	NA		NA	NA



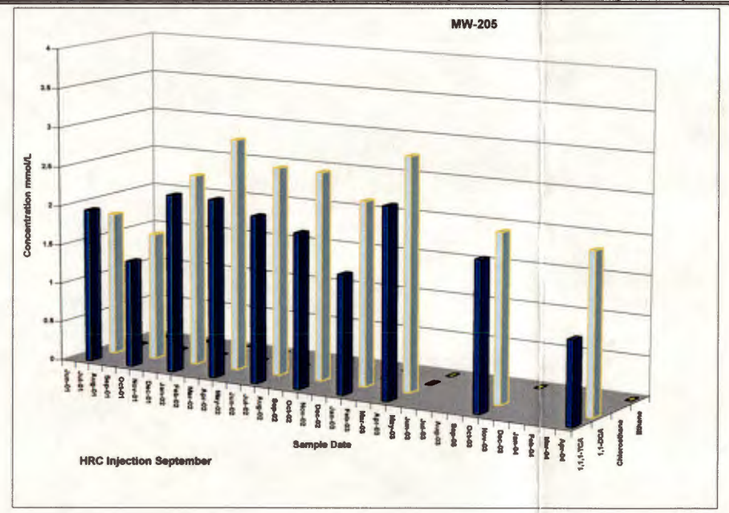


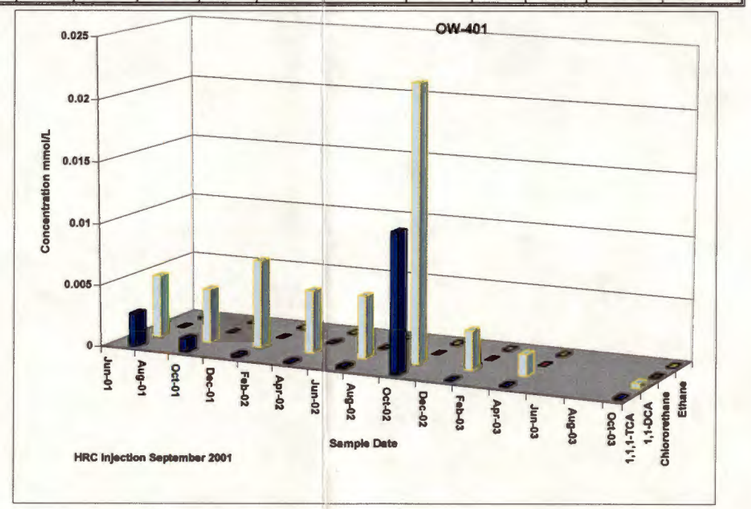
NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

TABLE 5
COOPERVISION, INC.
SUMMARY OF VOLATILE GASES AND DISSOLVED GASES
SOURCE AREA WELLS

All values expressed in mg/L (ppm)

Sample ID:	B303-OWS-S	MW-1		MW-205														OW-401											
Well Screen Interval (ft):	12.5 - 13.5	4.0 - 14.0		21.2 - 28.0														44.0 - 46.0											
Date Sampled:	6/1/99	4/16/97	6/2/99	7/10/97	6/2/99	4/28/00	7/19/01	10/18/01	1/29/02	4/9/02	7/31/02	########	1/29/03	4/7/03	10/29/03	4/6/04	4/6/04 DEC split	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
Compound:																													
VOLATILE ORGANICS																													
Acetone	0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	**36**	ND	**153**	**190 D**	ND	**180 D**	**160 D**	**240**	**290**	**260**	**260**	**230**	**290**	**210**	**200 D**	**180**	**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**
1,1-Dichloroethene	ND	**12**	**13**	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND	**1**	**ND**	**0.014**	ND	**0.045**	**0.028**	**0.057**	**0.044**	**0.032**	**0.066**	**0.025**	**0.011**	ND	**0.026**
1,1,1-Trichloroethane	ND	**370**	**320**	**421**	**480 D**	ND	**260 D**	**180 D**	**300**	**300**	**280**	**260**	**200**	**320**	**250**	**140 D**	**150**	**0.21**	ND	**0.36**	**0.14**	**0.021**	**0.0075**	**0.025**	**1.5**	ND	**0.0076**	**0.0071**	**0.0011**
Tetrachloroethene	ND	ND	ND	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	ND	ND	ND
Trichloroethene	ND	ND	ND	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	ND	ND	ND
Chloroethane	ND	ND	ND	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	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.08	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	0.18	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	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	NA	NA	NA	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	ND	ND	ND
Vinyl Chloride	ND	ND	ND	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	ND	ND	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.009**	**0.008**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMI-VOLATILE ORGANICS																													
Bis(2-ethylhexyl) pthalate	NA	NA	NA	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	NA	NA	NA
DISSOLVED GASES																													
Methane	NA	NA	NA	NA	NA	NA	0.01	0.005	0.0052	NA	0.0062	0.0057	0.0014	0.022	0.0057	0.0013	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	0.01	0.008	0.0069	NA	0.0098	0.0086	0.0012	0.013	0.0038	0.006	NA	NA	NA	NA	NA	NA	NA	0.0013	NA	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	NA	0	0.002	0.002	NA	0.0026	0.0023	0.004	0.0048	0.0021	0.0028	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA
Propane	NA	NA	NA	NA	NA	NA	0	0.001	ND	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA



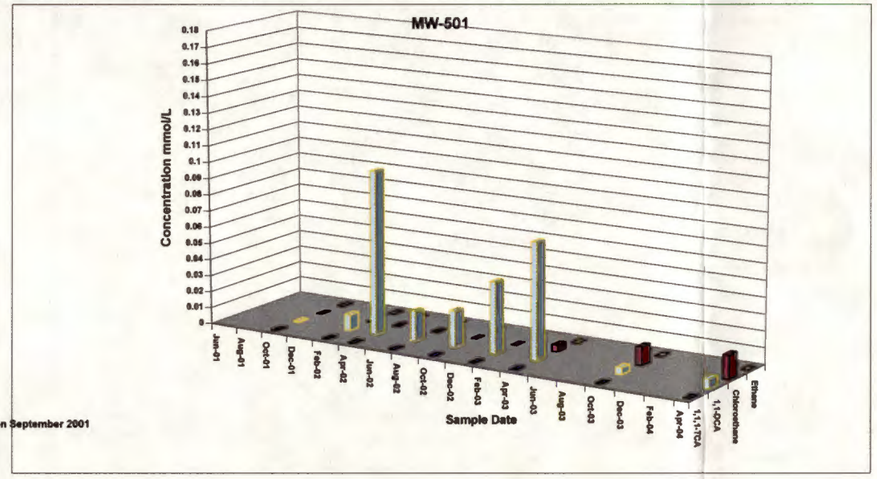


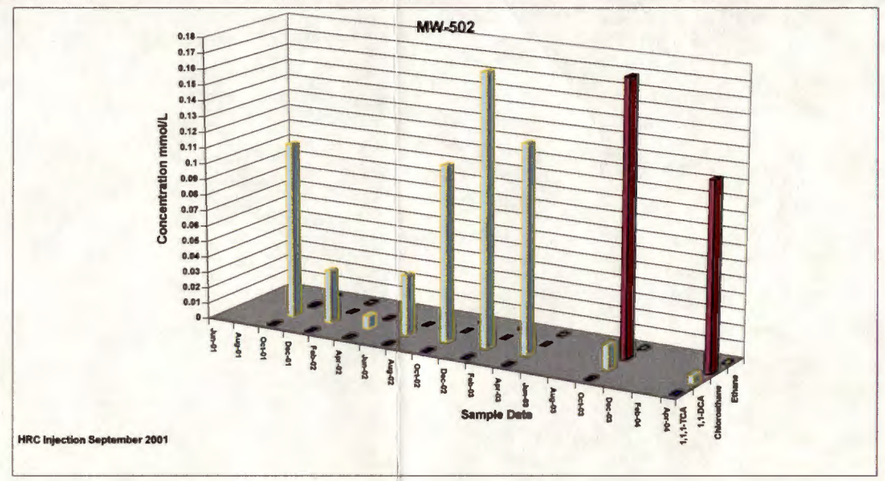
NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

TABLE 6
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											MW-502										
Well Screen Interval (ft):	38.5 - 43.5			20.0 - 25.0											30.0 - 35.0										
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	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
Compound:																									
VOLATILE ORGANICS																									
Acetone	ND	0.062 B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.072	ND	ND	ND	ND	ND	ND	ND	0.14
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**	**9.8 D**	**11**	**4.3759**	**3.3**	**0.82 D**	**3.8 D**	**11 D**	**17**	**13**	**1.5**	**0.52**
1,1-Dichloroethene	**ND**	**ND**	**ND**	**0.0098**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.14**	**ND**	**ND**	**ND**	**0.14**
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.059	0.16	ND	ND	ND	0.26
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	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	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	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.26**	**0.7**	**0.9**	**0.011**	ND	**0.0455**	ND	ND	ND	ND	ND	ND	**11**	**7.5 D**
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	ND	0.0115	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0063	1.1	0.0489	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	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.028	0.029	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DISSOLVED GASES																									
Methane	NA	NA	0.0033	0.0081	0.018	NA	0.02	NA	0.037	0.25	5.5	6.8	11	13	DRY	0.018	NA	0.0027	NA	0.32	0.78	3.4	1.5	6.3	6.9
Ethane	NA	NA	ND	0.005	0.004	NA	0.0018	NA	0.0011	ND	ND	ND	ND	ND	DRY	0.024	NA	0.0061	NA	ND	ND	ND	ND	ND	ND
Ethene	NA	NA	ND	0.0045	0.0014	NA	0.0012	NA	ND	ND	ND	ND	ND	ND	DRY	0.0066	NA	0.002	NA	ND	ND	ND	ND	ND	ND
Propane	NA	NA	ND	0.003	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND	DRY	0.0048	NA	0.002	NA	ND	ND	ND	ND	ND	ND



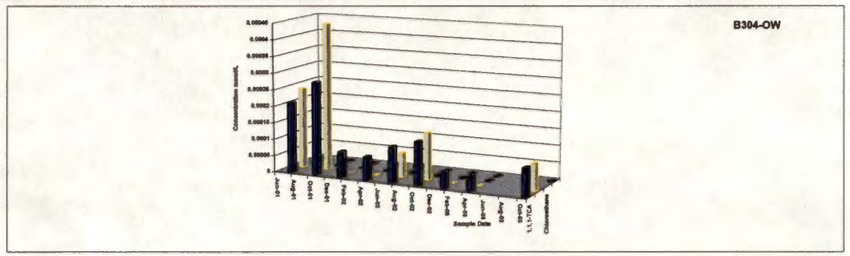


NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

TABLE 7
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	B304-OW											MW-202												
Well Screen Interval (ft):	4.0 - 14.0											10.1 - 20.3												
Date Sampled:	6/1/1999	7/18/2001	10/18/2001	1/29/2002	4/8/2002	7/29/2002	10/14/2002	1/30/2003	4/7/2003	10/30/2003	4/7/2004	7/10/1997	6/2/1999	10/26/1999	7/18/2001	10/18/2001	1/28/2002	4/8/2002	7/29/2002	10/14/2002	1/29/2003	4/7/2003	10/28/2003	4/7/2004
Compound:																								
VOLATILE ORGANICS																								
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.027	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	**0.008**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	**0.006**	**0.014**	**0.026**	ND	ND	ND	ND	ND	ND	ND	ND	**0.018**	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**	**0.061**	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008	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	NA	NA	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	ND	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Propane	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA



NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

TABLE 7
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
DOWN-GRADIENT WELLS

All values expressed in mg/l (ppm)

Sample ID:	MW-203												MW-204											
Well Screen Interval (ft):	9.8 - 20.0												9.8 - 20.0											
Date Sampled:	7/10/1997	6/2/1999	7/18/2001	10/18/2001	1/29/2002	4/8/2002	7/29/2002	10/14/2002	1/30/2003	4/7/2003	10/28/2003	4/7/2004	7/10/1997	6/2/1999	7/18/2001	10/18/2001	1/28/2002	4/8/2002	7/29/2002	10/14/2002	1/30/2003	4/7/2003	10/28/2003	4/6/2004	4/6/2004 DEC split
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	ND	ND
1,1-Dichloroethane	**0.118**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.012**	**0.019**	**0.011**	**0.010**	**0.007**	**0.010**	**0.008**	**0.006**	**0.008**	**0.006**	**0.006**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.0088**	**0.015**	**0.008**	**0.007**	ND	**0.008**	**0.006**	**0.005**	**0.005**	**0.006**	**0.004**
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.01**	**0.022**	**0.011**	**0.010**	ND	**0.011**	**0.007**	ND	**0.006**	**0.006**	**0.005 J**
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.015	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	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	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	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	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	ND
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**0.090**	**0.086**
DISSOLVED GASES																									
Methane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	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	ND	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	ND	NA	NA	NA	NA	NA	NA
Propane	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA

NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

TABLE 7
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: / Compound:	10/26/1999	7/18/2001	10/18/2001	1/28/2002	6/21/2002	7/29/2002	10/14/2002	1/29/2003	4/7/2003	10/28/2003	4/5/2004
VOLATILE ORGANICS											
Acetone	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
1,1-Dichloroethene	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
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	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
Methylene Chloride	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
Vinyl Chloride	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
DISSOLVED GASES											
Methane	NA	NA	NA	NA	NA	0.0038	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	0.0014	NA	NA	NA	NA	NA
Ethene	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA
Propane	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA

NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-205											MW-3										
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	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
INORGANICS (mg/L)																						
Nitrite Nitrogen	**0.0265**	NS	**0**	NA	NA	**0.0174**	NA	NA	**0.0151**	NA	**0.069**		NS	**0.13**	NA	NA	**0**	NA	NA	<0.0100	NA	**0.0433**
Nitrate/Nitrite Nitrogen	**0**	NS	**NA**	NA	NA	**0**	NA	NA	**0.135**	NA	<.0500		NS	**NA**	NA	NA	**0**	NA	NA	**0.093**	NA	<0.0500
Chloride	**750**	NS	**708**	NA	NA	**741**	NA	NA	**729**	NA	**746**		NS	**139**	NA	NA	**171**	NA	NA	**269**	NA	**253**
Dissolved Organic Carbon	**52.2**	NS	**55.2**	NA	NA	**201**	NA	NA	**354**	NA	497[TOC]		NS	**2.19**	NA	NA	**287**	NA	NA	**52.7**	NA	**5.67**[TOC]
Nitrate Nitrogen	**0.0514**	NS	0	NA	NA	0	NA	NA	**0.12**	NA	<.0500	**DRY**	NS	**2.21**	NA	NA	0	NA	NA	**0.093**	NA	<0.0500
Total Alkalinity	**404**	NS	**378**	NA	NA	**619**	NA	NA	**1010**	NA	**1400**		NS	**197**	NA	NA	**610**	NA	NA	**349**	NA	**218**
Sulfate	**96.9**	NS	**91**	NA	NA	**27.5**	NA	NA	**9.21**	NA	**11.4**		NS	**15.1**	NA	NA	**2.08**	NA	NA	**8.81**	NA	**11.0**
Total Sulfide	0	NS	0	NA	NA	**0**	NA	NA	**0**	NA	<1.00		NS	**0**	NA	NA	**0**	NA	NA	<1.00	NA	<1.00
Total Iron	**21.2**	NS	**47.3**	NA	NA	**51.2**	NA	NA	**40.2**	NA	**42.9**		NS	**14.1**	NA	NA	**181**	NA	NA	**116**	NA	**15.6**
Total Manganese	**0.641**	NS	**NA**	NA	NA	**1.3**	NA	NA	**0.912**	NA	**0.591**		NS	**NA**	NA	NA	**8.01**	NA	NA	**6.28**	NA	**1.60**
HRC COMPONENTS (mg/L)																						
Lactic Acid (C3)	0	NS	NA	**23.6**	NA	**39.1**	**59.5**	**41**	**81.3**	**117**	**72.9**		NS	NA	0	0	**8.2**	0	**12.5**	0	<1.0	<1.0
Acetic Acid (C2)	**139**	NS	NA	**179**	NA	**209**	**236**	**273**	**282**	**364**	**326**		NS	NA	**14**	**37.2**	**83.8**	**180**	**86.8**	**80.8**	**18.7**	**11.1**
Propionic Acid (C3)	0	NS	NA	0	NA	**34.9**	**62.1**	**134**	**138**	**202**	**158**	**DRY**	NS	NA	**15**	**42.5**	**248**	**606**	**241**	**225**	**28.6**	<1.0
Pyruvic Acid (C3)	0	NS	NA	0	NA	0	0	0	**0.9**	**4.1**	<0.1		NS	NA	0	**0.2**	**0.1**	0	0	0	<0.1	<0.1
Butyric Acid (C4)	0	NS	NA	0	NA	0	0	**13.1**	**26.4**	**68.6**	**177**		NS	NA	**7.6**	**24.3**	**72**	**505**	**157**	**100**	<1.0	<1.0
FIELD PARAMETERS																						
Dissolved Oxygen (mg/L)	0	0	MIS	**0.29**	**0.014**	**0.1**	**0.63**	**0.5**	**1.07**	**0.39**	**1.18**		NS	MIS	**5.19**	***4.95**	**1.34**	**2.86**	**2.40**	**3.58**	**1.11**	**5.68**
Redox (mV)	**-53**	**-26**	MIS	**-88**	**-61**	**-182**	**-166**	**-103**	**-42**	**-174**	**-395**		NS	MIS	**-116**	**35**	**-127**	**-70**	**-79**	**-80**	**-37**	**54**
Conductivity (mS)	**2.41**	**3**	MIS	**2.31**	**2.48**	**2.49**	**2.9**	**2.7**	**2.7**	**4.69**	**4.81**	**DRY**	NS	MIS	**0.07**	**0.06**	**0.12**	**0.25**	**0.00**	**1.10**	**1.33**	**1.20**
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	MIS	NA**	**0.2**	**0.9**	**4.4**	**4.5**	**4.5**	**3**	**1.2**
Alkalinity (mg/L)	**500**	NA	MIS	**580**	**580**	**630**	**680**	**600**	**1300**	**760**	**1320**		NS	MIS	NA**	**240**	**680**	**1000**	**280**	**560**	**480**	**280**
Carbon Dioxide (mg/L)	**182**	NA	MIS	**140**	**330**	**220**	**59**	**418**	**1.07**	**1275**	**too turbid**		NS	MIS	NA**	**61.7**	**84**	**268**	**220**	**356**	**242**	**460**

COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-501											MW-502										
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	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
INORGANICS (mg/L)																						
Nitrite Nitrogen	**0**	NS	**0.159**	NA	NA	**0.0143**	**0.0143**	NA	0.012	NA	**0.0152**	**0.0389**	NS	**0**	NA	NA	**0**	NA	NA	<0.010	NA	<0.0100
Nitrate/Nitrite Nitrogen	**0.063**	NS	**NA**	NA	NA	**0**	**0**	NA	0.16	NA	<0.0500	**0.137**	NS	**NA**	NA	NA	**0**	NA	NA	<0.050	NA	<0.0500
Chloride	**355**	NS	**85.6**	NA	NA	**208**	NA	NA	**1840**	NA	**3870**	**246**	NS	**241**	NA	NA	**84.6**	NA	NA	**281**	NA	**310**
Dissolved Organic Carbon	**3.38**	NS	**141**	NA	NA	**15.7**	NA	NA	**173**	NA	**4.72**[TOC]	**5.21**	NS	**26.7**	NA	NA	**34.7**	NA	NA	**284**	NA	**639**[TOC]
Nitrate Nitrogen	**0.063**	NS	**0.634**	NA	NA	**0**	NA	NA	**0.148**	NA	<0.0500	**0.137**	NS	**0.859**	NA	NA	0	NA	NA	**0.139**	NA	<0.0500
Total Alkalinity	**201**	NS	**167**	NA	NA	**259**	NA	NA	**575**	NA	**229**	**1.08**	NS	**94.4**	NA	NA	**125**	NA	NA	**531**	NA	**860**
Sulfate	**40.2**	NS	**21.5**	NA	NA	**27.3**	NA	NA	**4.38**	NA	**43.3**	**183**	NS	**56.2**	NA	NA	**4.74**	NA	NA	0	NA	<2.00
Total Sulfide	**0**	NS	**1.18J**	NA	NA	**0**	NA	NA	**3.44**	NA	**2.57**	**1.08**	NS	**1.28**	NA	NA	**1.2**	NA	NA	**2.29**	NA	<1.00
Total Iron	**462**	NS	**662**	NA	NA	**152**	NA	NA	**99.4**	NA	**238**	**8.76**	NS	**4.96**	NA	NA	**12**	NA	NA	**72.7**	NA	**282**
Total Manganese	**11.8**	NS	**NA**	NA	NA	**4.1**	NA	NA	**3.02**	NA	**7.50**	**0.317**	NS	**NA**	NA	NA	**0.259**	NA	NA	**1.77**	NA	**12.10**
HRC COMPONENTS (mg/L)																						
Lactic Acid (C3)	0	NS	NA	0	**34.3**	**8.7**	0	0	0	<1.0	<1.0	**0**	NS	NA	0	0	**0**	0	0	0	**23.8**	<1.0
Acetic Acid (C2)	0	NS	NA	0	**15.7**	**10.3**	**6.3**	**33.3**	**135**	<1.0	<1.0	**0**	NS	NA	0	**3.5**	**38.5**	**70.5**	**236**	**220**	**451**	**635**
Propionic Acid (C3)	0	NS	NA	0	**15.4**	**10.1**	**4.2**	**15.2**	**111**	<1.0	<1.0	**0**	NS	NA	0	0	**22.6**	**97.5**	**233**	**216**	**402**	**281**
Pyruvic Acid (C3)	0	NS	NA	0	**1.1**	0	**2.4**	0	0	<0.1	<0.1	**0**	NS	NA	0	0	0	0	0	0	<0.1	<0.1
Butyric Acid (C4)	0	NS	NA	0	**8.2**	0	0	0	**46.3**	<1.0	<1.0	**0**	NS	NA	0	0	0	**20.2**	**54.8**	**62.9**	**99.7**	**113**
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**	**2.9**	**0.51**	MIS	**2.93**	**0.13**	**0.00**	**0.21**	**0.93**	**1.03**	**0.21**	**1.18**
Redox (mV)	**-280**	**-205**	MIS	**-108**	**5**	**-196**	**-141**	**-131**	**-208**	**-36**	**211**	**-264**	**-262**	MIS	**28**	**-103**	**-117**	**-196**	**-118**	**-121**	**-13**	**-164**
Conductivity (mS)	**1.61**	**0.68**	MIS	**12.03**	**1.55**	**0.76**	**1.01**	**8.08**	**8.47**	**1.55**	**12.2**	**0.64**	**0.98**	MIS	**0.33**	**2.79**	**0.1**	**0.93**	**1.06**	**1.38**	**2.83**	**2.93**
Iron, dissolved (mg/L)	0	NA	MIS	**0.2**	**0**	**0**	**0.5**	**0.9**	**2.8**	**1.8**	**1.8**	**0**	NA	MIS	**0**	**0**	**0**	**0**	**1.5**	**0.8**	**2.7**	**2.2**
Alkalinity (mg/L)	**920**	NA	MIS	**200**	**210**	**320**	**360**	**280**	**960**	**440**	**260**	**120**	NA	MIS	**75**	**54**	**220**	**200**	**140**	**440**	**1100**	**too turbid**
Carbon Dioxide (mg/L)	**34**	NA	MIS	**90**	**60**	**38**	**32.6**	**104**	**284**	**188**	**230**	**27.2**	NA	MIS	**37.4**	**180**	**72**	**32.6**	**114**	**182**	**240**	**too turbid**

COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	OWD-302-D											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	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
INORGANICS (mg/L)																						
Nitrite Nitrogen	**0**	NS	**0.0823**	NA	NA	**0.0386**	NA	NA	**0.014**	NA	**0.104**	NA	NS	**0.143**	NA	NA	**0.03008**	NA	NA	**0.0279**	NA	NA
Nitrate/Nitrite Nitrogen	**0.204**	NS	**NA**	NA	NA	**0.0571**	NA	NA	**0.181**	NA	<0.0500	NA	NS	**NA**	NA	NA	**0.0576**	NA	NA	**0.147**	NA	NA
Chloride	NA	NS	**37.2**	NA	NA	**27**	NA	NA	**2750**	NA	**2930**	NA	NS	**1600**	NA	NA	NA	NA	NA	**2370**	NA	NA
Dissolved Organic Carbon	**4.23**	NS	**16.8**	NA	NA	**4.64**	NA	NA	**290**	NA	**5.70**[TOC]	NA	NS	NA	NA	NA	**148**	NA	NA	**52.6**	NA	NA
Nitrate Nitrogen	NA	NS	0	NA	NA	0	NA	NA	**0.167**	NA	<0.0500	NA	NS	0	NA	NA	0	NA	NA	**0.119**	NA	NA
Total Alkalinity	NA	NS	NA	NA	NA	**67**	NA	NA	**801**	NA	**50**	NA	NS	**69.7**	NA	NA	**696**	NA	NA	**350**	NA	NA
Sulfate	**850**	NS	**740**	NA	NA	**634**	NA	NA	**219**	NA	**550**	NA	NS	**228**	NA	NA	NS	NA	NA	**407**	NA	NA
Total Sulfide	0	NS	**0**	NA	NA	**0**	NA	NA	**7.96**	NA	<1.00	NA	NS	**3**	NA	NA	NS	NA	NA	**2.49**	NA	NA
Total Iron	**5.47**	NS	**2.9**	NA	NA	**0.858**	NA	NA	**177**	NA	**3.15**	NA	NS	**NA**	NA	NA	NS	NA	NA	**260**	NA	NA
Total Manganese	**0.0589**	NS	**NA**	NA	NA	**0.0504**	NA	NA	**3.85**	NA	**0.0429**	NA	NS	**NA**	NA	NA	NS	NA	NA	**5.62**	NA	NA
HRC COMPONENTS (mg/L)																						
Lactic Acid (C3)	**0**	NS	NA	0	0	0	0	0	0	**18.1**	<1.0	NA	NS	NA	0	**13.4**	**4.6**	0	0	0	<1.0	<1.0
Acetic Acid (C2)	**0**	NS	NA	0	0	0	0	0	**344**	<1.0	<1.0	NA	NS	NA	0	**293**	**286**	**240**	**297**	**90.8**	**443**	**623**
Propionic Acid (C3)	**0**	NS	NA	0	0	0	**41.8**	0	0	<1.0	<1.0	NA	NS	NA	0	**9.8**	0	0	0	0	<1.0	<1.0
Pyruvic Acid (C3)	**0**	NS	NA	0	**0.3**	0	0	0	0	<1.0	<0.1	NA	NS	NA	0	**0.5**	**1.4**	0	0	0	<0.1	<0.1
Butyric Acid (C4)	**0**	NS	NA	0	0	0	0	0	**22.7**	<0.1	<1.0	NA	NS	NA	0	0	0	0	0	0	<1.0	**35.3**
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**	DRY	DRY	MIS	NA	***1.74**	**1.24**	**2.23**	***8.50**	**0.11**	**1.7**	***6.88**
Redox (mV)	**-68**	DRY	MIS	**162***	***-23**	**-141**	**-70**	**84**	**-132**	**55**	**255**	DRY	DRY	MIS	NA	***-59**	**-133**	**-122**	**-51**	**-158**	**9**	**78**
Conductivity (mS)	**1.58**	DRY	MIS	**1.1**	**1.34**	**1.13**	**0.25**	**2.81**	NA	**4.16**	**10.57**	DRY	DRY	MIS	NA	**6.45**	**0.94**	**4.22**	**5.03**	**5.03**	**4.43**	**7.86**
Iron, dissolved (mg/L)	**0**	DRY	MIS	**0**	**0**	**0**	**4.4**	**0.0**	**4.6**	**0.2**	**too turbid**	**0**	DRY	MIS	NA	**3.3**	**5.9**	**5.2**	**3.8**	NA	**3**	**3.4**
Alkalinity (mg/L)	**120**	DRY	MIS	**85**	**100**	**100**	**1000**	**240**	**1200**	**160**	**too turbid**	**640**	DRY	MIS	**580**	**600**	**720**	**820**	**520**	NA	**960**	**1200**
Carbon Dioxide (mg/L)	**20.8**	DRY	MIS	**49.8**	**50**	**40**	**268**	**26**	**2200**	**220**	**too turbid**	DRY	DRY	MIS	NA	**358**	**260**	**38**	**475**	NA	**730**	**390**

COOPERVISION INCORPORATED
ADDITIONAL ANALYTICAL
PARAMETER SUMMARY

Sample ID	MW-403						MW-401									
Analyte	7/19/01	9/26/01	1/29/02	7/29/02	10/15/02	4/7/03	7/19/01	9/26/01	1/29/02	4/10/02	7/30/02	10/15/02	1/29/02	4/7/03	10/30/03	4/7/04
INORGANICS (mg/L)																
Nitrite Nitrogen	**0.135**	NS	NA	NS	NS	NS	NA	NS	NA	NA	0	NA	NA	NA	NA	NA
Nitrate/Nitrite Nitrogen	**0**	NS	NA	NS	NS	NS	NA	NS	NA	NA	0	NA	NA	NA	NA	NA
Chloride	**17.3**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**6.42**	NA	NA	NA	NA	NA
Dissolved Organic Carbon	**1.34**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**2.74**	NA	NA	NA	NA	NA
Nitrate Nitrogen	0	NS	NA	NS	NS	NS	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Total Alkalinity	**113**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**193**	NA	NA	NA	NA	NA
Sulfate	**1010**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**1510**	NA	NA	NA	NA	NA
Total Sulfide	**0**	NS	NA	NS	NS	NS	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
Total Iron	**10.5**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**3.16**	NA	NA	NA	NA	NA
Total Manganese	**0.222**	NS	NA	NS	NS	NS	NA	NA	NA	NA	**0.0802**	NA	NA	NA	NA	NA
HRC COMPONENTS (mg/L)																
Lactic Acid (C3)	0	NS	0	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acetic Acid (C2)	0	NS	0	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Propionic Acid (C3)	0	NS	0	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyruvic Acid (C3)	0	NS	0	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butyric Acid (C4)	0	NS	0	NA	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FIELD PARAMETERS																
Dissolved Oxygen (mg/L)	**0.7**	**0.51**	**0.99**	NS	NS	NS	**0.42**	**0.21**	**0.15**	**0.13**	**0.12**	**1.29**	**0.38**	**0.35**	**0.55**	**1.93**
Redox (mV)	**-70**	**-52**	**-14**	NS	NS	NS	**-42**	**-46**	**-77**	**-29**	**-75**	**-0.87**	**-68**	**41**	**17**	**191**
Conductivity (mS)	**1.49**	**1.49**	**0.73**	NS	NS	NS	**2.1**	**2.57**	**2.02**	**2.01**	0	**2.16**	**1.98**	**0.95**	**0.23**	**5.93**
Iron, dissolved (mg/L)	**0.6**	NA	**0.9**	NS	NS	NS	**1.8**	NA	**2.9**	**2.6**	**2.2**	**3.1**	**3.2**	**1.2**	**0.6**	**0.4**
Alkalinity (mg/L)	**100**	NA	**180**	NS	NS	NS	**200**	NA	**220**	**180**	**220**	**220**	**180**	**200**	**160**	**120**
Carbon Dioxide (mg/L)	**33**	NA	**60.8**	NS	NS	NS	**138**	NA	**168**	**126**	**98**	**48.8**	**150**	**118**	**480**	**86**

N

MW-201
579.61

OWS-303
569.07

MW-205
574.78

MW-502
572.82

MW-2
573.44

MW-3
570.91

MW-403
570.81

MW-202
567.87

MW-402
571.03

OWS-302
574.13

MW-401
571.30

OWD-302
574.38

MW-501
573.55

OW-304
574.28

MW-203
573.31

MW-204
566.21

578
576
574
572
570
568

LEGEND:

- GROUNDWATER MONTIORING/OBSERVATION WELL
- GROUNDWATER ELEVATION CONTOURS
- 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 5 APRIL 2004.
3. EXPLORATION LOCATIONS ARE APPROXIMATE.

0 12.5 25 50 75 100 125
Feet

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

COOPERVISION FACILITY INVESTIGATION
711 NORTH ROAD
SCOTTSVILLE, NEW YORK

GROUNDWATER CONTOUR PLAN

SCALE AS SHOWN

JUNE 2004

FIGURE 1

G:\Projects\70665\011\ARCGIS\05APR_GW_CONT.mxd

TABLE 8
COOPERVISION, INC.
SUMMARY OF VOLATILE ORGANICS AND DISSOLVED GASES
UPGRADIENT WELLS

All values expressed in mg/L (ppm)

Sample ID:	MW-201	
Well Screen Interval (ft):	9.8 - 20.0	
Date Sampled:	7/10/1997	6/2/1999
Compound:		
VOLATILE ORGANICS		
Acetone	ND	ND
1,1-Dichloroethane	ND	ND
1,1-Dichloroethene	ND	ND
1,1,1-Trichloroethane	ND	ND
Tetrachloroethene	ND	ND
Trichloroethene	ND	ND
Chloroethane	ND	ND
1,2-Dichloroethane	ND	ND
Methylene Chloride	ND	ND
2-Butanone (MEK)	ND	ND
DISSOLVED GASES		
Methane	NA	ND
Ethane	NA	0.0079
Ethene	NA	0.0075
Propane	NA	ND

NOTES:
1. ND-NOT DETECTED
2. NA-NOT ANALYZED
3. DRY-INSUFFICIENT RECHARGE
4. D-DILUTED RESULT
5. J-ESTIMATED RESULT
6. B-BLANK CONTAMINATION

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

May 4, 2004

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

PROJECT:COOPERVISION #70665-011
Submission #:R2420915

Dear Ms. Boyle

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Karen Bunker

Karen Bunker
Project Manager

Enc.

Columbia Analytical Services, Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client : Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Lab Submission # : R2420915
Project Manager : Karen Bunker
Reported : 05/04/04

Report Contains a total of 65 pages

The results reported herein relate only to the samples received by the laboratory. This report may not be reproduced except in full, without the approval of Columbia Analytical Services.

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael K. Perry

CASE NARRATIVE

COMPANY: Haley & Aldrich of New York
Project Reference: Coopervision #70665-011
SUBMISSION #: R2420915

Water samples were collected over the period from 4/5-8/04 by H&A field personnel. All samples were received at the laboratory on 4/9/04 unbroken and without bubbles. The cooler temperatures upon receipt ranged from 0-3°C. Custody seals were intact upon receipt at the laboratory.

Volatile Organics GC/MS

Eleven (11) water samples including one (1) Trip Blank were analyzed for Target Compound List (TCL) of volatile organics by method 8260B from SW-846. Three (3) additional samples were analyzed for the TCL plus 1,4-Dioxane list of volatile compounds also by method 8260B.

All Tuning criteria for BFB were within limits.

The initial and continuing calibration criteria were met for all analytes.

All surrogate standard recoveries were within acceptance limits.

Run QC is included in the package. All Reference check recoveries were within acceptance limits.

All samples were run within the 14 day holding time for preserved samples. Vials are checked after analysis to verify preservation without destroying the integrity of the sample. All samples were preserved to a pH of <2 except for locations MW-2 (CAS Order #717825) and MW-502 (CAS Order # 717826). The former location was analyzed on the 10th day from sampling collection. The latter sample was analyzed on both the 8th and 10th day from sampling. All CAS vials are certified as preserved. Matrix interference is suspected.

Many well samples required dilutions to bring target compounds into the calibration range of the standards. Compounds outside the range were flagged as "E". The samples were than analyzed at higher dilutions for these compounds. Both sets of data are included in the report.

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

No problems were encountered during analysis.

Volatile Organics GC

Six (6) water samples were analyzed for dissolved Hydrogen Gases by Modified Method RSK-175.

All calibration criteria were met for all analytes.

Run QC is included the package. All Reference check recoveries were within acceptance limits.

Dilutions were required in some cases to bring target analytes within the calibration range of the standards.

All samples were run within the 14 day holding time for preserved samples. Vials are checked after analysis to verify preservation without destroying the integrity of the sample. All samples were found to be preserved to a pH of <2 or they were run within the 7 day holding time for unpreserved samples.

The Laboratory Method Blanks were free from contamination.

No problems were encountered during analysis.

EXTRACTABLE GC/MS

Three (3) samples were extracted and held for 1,4-Dioxane by method 8270C. Two (2) samples were taken off of hold on 4/28/04 for analysis (based on the results obtained from the 8260B analysis): MW-204 (CAS Order # 717822) and MW-205 (CAS Order #717824).

All extractions and analyses were performed within the proper holding time for the method.

Run QC is included in the report. All LCS recoveries were within QC acceptance limits

The Laboratory Method Blank was free from contamination.

Surrogate recoveries were within limits except for 2-Fluorobiphenyl for the Method Blank sample. The recovery is flagged as "*". The analysis was repeated and the recovery was confirmed.

No other problems were encountered during analysis.

METABOLIC ACIDS

Two (2) samples were analyzed for Metabolic Acids by HPLC methodology.

Run QC is included in the report. Blank Spike recoveries were within acceptance limits except for Pyruvic Acid. The recovery has been flagged as "*". There was non-detecetd in the samples.

No other problems were encountered with the analysis of these samples

INORGANICS

Five (5) well water samples were analyzed for MNA parameters: Chloride and Sulfate by IC method 300.0, Nitrate, Nitrite by method 353.2, Total Sulfide by method 376.1, Total Organic Carbon by method 415.1 and Total Alkalinity by method 310.1. Total Iron and Manganese were analyzed by ICP method 6010B.

Run QC is included in the report. All Blank spike Recoveries were within limits.

All samples were analyzed within the method specific holding times from SW-846 except for 3 Nitrite samples which were received outside of the 48 hour holding time for this analysis:

Lab ID	Client ID
717823	MW-3
717824	MW-205
717826	MW-502.

All Laboratory Blanks were free from contamination.

No analytical or QC problems were encountered during the analysis of these samples.

Columbia Analytical Services, Inc.

This report contains analytical results for the following samples:

Submission #: R2420915

Lab ID	Client ID
717821	MW-402
717822	MW-204
717823	MW-3
717824	MW-205
717825	MW-2
717826	MW-502
717827	MW-202
717828	MW-304
717829	MW-203
717830	MW-501
717831	MW-401
717832	OWD-302-D OWD-302D
717833	OWD-302-S OWS-302S
717835	TRIP BLANK

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Ethics Service Quality ACIL 2003 SEAL OF EXCELLENCE PROGRAM Environmental

INORGANIC QUALIFIERS

C (Concentration) qualifier –

B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).
U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

D - Spike was diluted out
E - The reported value is estimated because of the presence of interference.
J - Estimated Value
M - Duplicate injection precision not met.
N - Spiked sample recovery not within control limits.
S - The reported value was determined by the Method of Standard Additions (MSA).
W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
* - Duplicate analysis not within control limits.
+ - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

Army Corp of Engineers Validated
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
NELAP Accredited
New York ID # 10145
New Jersey ID # NY004
New Hampshire ID # 294100 A/B
Pennsylvania Registration 68-786
Rhode Island ID # 158
South Carolina ID #91012
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-402

Date Sampled : 04/05/04 14:30 **Order #:** 717821 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

DATE ANALYZED : 04/14/04
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	96	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	110	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-204

Date Sampled : 04/06/04 09:00 **Order #:** 717822 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	6.4	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.5	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
1,4-DIOXANE	100	100 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.9	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	95	%
TOLUENE-D8	(88 - 124 %)	96	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	110	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 1,4-DIOXANE BY SIM 8270C
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-204

Date Sampled : 04/06/04 09:00 **Order #:** 717822 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102870

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/12/04			
DATE ANALYZED : 04/20/04			
ANALYTICAL DILUTION: 3.00			
1,4-DIOXANE	2.0	90	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(15 - 135 %)	59	%
NITROBENZENE-d5	(30 - 116 %)	68	%
2-FLUOROBIPHENYL	(38 - 107 %)	40	%

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	253	MG/L	04/13/04	17:50	40.0
NITRATE NITROGEN	353.2	0.0500	0.0500 U	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0500 U	MG/L	04/19/04	14:58	1.0
NITRITE NITROGEN	353.2	0.0100	0.0433	MG/L	04/09/04	11:33	1.0
SULFATE	300.0	0.200	11.0	MG/L	04/13/04	12:13	10.0
TOTAL ALKALINITY	310.1	2.00	218	MG/L	04/20/04	15:00	1.0
TOTAL ORGANIC CARBON	415.1	1.00	5.67	MG/L	04/14/04	00:01	1.0
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	04/13/04	10:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	15.6	MG/L	04/16/04	1.0
MANGANESE	6010B	0.0100	1.60	MG/L	04/16/04	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

DATE ANALYZED : 04/14/04
ANALYTICAL DILUTION: 5.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	2000 E	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	1100 E	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	330	UG/L
CIS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
1,4-DIOXANE	100	580	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	1100 E	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	26	UG/L
VINYL CHLORIDE	5.0	360	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	107	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/16/04			
ANALYTICAL DILUTION: 20.00			
ACETONE	20	400 U	UG/L
BENZENE	5.0	100 U	UG/L
BROMODICHLOROMETHANE	5.0	100 U	UG/L
BROMOFORM	5.0	100 U	UG/L
BROMOMETHANE	5.0	100 U	UG/L
2-BUTANONE (MEK)	10	200 U	UG/L
CARBON DISULFIDE	10	200 U	UG/L
CARBON TETRACHLORIDE	5.0	100 U	UG/L
CHLOROBENZENE	5.0	100 U	UG/L
CHLOROETHANE	5.0	2800	UG/L
CHLOROFORM	5.0	100 U	UG/L
CHLOROMETHANE	5.0	100 U	UG/L
DIBROMOCHLOROMETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHANE	5.0	1000	UG/L
1,2-DICHLOROETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHENE	5.0	320	UG/L
CIS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
1,2-DICHLOROPROPANE	5.0	100 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
1,4-DIOXANE	100	NA	UG/L
ETHYLBENZENE	5.0	100 U	UG/L
2-HEXANONE	10	200 U	UG/L
METHYLENE CHLORIDE	5.0	100 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	200 U	UG/L
STYRENE	5.0	100 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	100 U	UG/L
TETRACHLOROETHENE	5.0	100 U	UG/L
TOLUENE	5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	900	UG/L
1,1,2-TRICHLOROETHANE	5.0	100 U	UG/L
TRICHLOROETHENE	5.0	100 U	UG/L
VINYL CHLORIDE	5.0	420	UG/L
O-XYLENE	5.0	100 U	UG/L
M+P-XYLENE	5.0	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	91	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	106	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102190

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	1.0 U	UG/L
ETHYLENE	1.0	1.0 U	UG/L
METHANE	2.0	9.5	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD HPLC-METACIDS
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717823 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102996

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/30/04			
ANALYTICAL DILUTION: 1.00			
ACETIC ACID	1.0	7.4	MG/L
BUTYRIC ACID	2.0	2.0 U	MG/L
LACTIC ACID	1.0	1.0 U	MG/L
PROPIONIC ACID	1.0	1.6	MG/L
PYRUVIC ACID	1.0	1.0 U	MG/L

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	746	MG/L	04/13/04	17:59	100.0
NITRATE NITROGEN	353.2	0.0500	0.0500 U	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0500 U	MG/L	04/19/04	14:58	1.0
NITRITE NITROGEN	353.2	0.0100	0.0690	MG/L	04/09/04	11:33	1.0
SULFATE	300.0	0.200	11.4	MG/L	04/13/04	12:22	10.0
TOTAL ALKALINITY	310.1	2.00	1400	MG/L	04/20/04	15:00	1.0
TOTAL ORGANIC CARBON	415.1	1.00	497	MG/L	04/23/04	16:35	20.0
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	04/13/04	10:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	42.9	MG/L	04/16/04	1.0
MANGANESE	6010B	0.0100	0.591	MG/L	04/16/04	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

DATE ANALYZED : 04/14/04
ANALYTICAL DILUTION: 10.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	200 U	UG/L
BENZENE	5.0	50 U	UG/L
BROMODICHLOROMETHANE	5.0	50 U	UG/L
BROMOFORM	5.0	50 U	UG/L
BROMOMETHANE	5.0	50 U	UG/L
2-BUTANONE (MEK)	10	100 U	UG/L
CARBON DISULFIDE	10	100 U	UG/L
CARBON TETRACHLORIDE	5.0	50 U	UG/L
CHLOROBENZENE	5.0	50 U	UG/L
CHLOROETHANE	5.0	140	UG/L
CHLOROFORM	5.0	50 U	UG/L
CHLOROMETHANE	5.0	50 U	UG/L
DIBROMOCHLOROMETHANE	5.0	50 U	UG/L
1,1-DICHLOROETHANE	5.0	26000 E	UG/L
1,2-DICHLOROETHANE	5.0	75	UG/L
1,1-DICHLOROETHENE	5.0	1000	UG/L
CIS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	50 U	UG/L
1,2-DICHLOROPROPANE	5.0	50 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	50 U	UG/L
1,4-DIOXANE	100	100 U	UG/L
ETHYLBENZENE	5.0	50 U	UG/L
2-HEXANONE	10	100 U	UG/L
METHYLENE CHLORIDE	5.0	50 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	100 U	UG/L
STYRENE	5.0	50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	50 U	UG/L
TETRACHLOROETHENE	5.0	140	UG/L
TOLUENE	5.0	50 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	56000 E	UG/L
1,1,2-TRICHLOROETHANE	5.0	50	UG/L
TRICHLOROETHENE	5.0	50 U	UG/L
VINYL CHLORIDE	5.0	110	UG/L
O-XYLENE	5.0	50 U	UG/L
M+P-XYLENE	5.0	50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	93	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	104	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/16/04			
ANALYTICAL DILUTION: 2000.00			
ACETONE	20	40000 U	UG/L
BENZENE	5.0	10000 U	UG/L
BROMODICHLOROMETHANE	5.0	10000 U	UG/L
BROMOFORM	5.0	10000 U	UG/L
BROMOMETHANE	5.0	10000 U	UG/L
2-BUTANONE (MEK)	10	20000 U	UG/L
CARBON DISULFIDE	10	20000 U	UG/L
CARBON TETRACHLORIDE	5.0	10000 U	UG/L
CHLOROBENZENE	5.0	10000 U	UG/L
CHLOROETHANE	5.0	10000 U	UG/L
CHLOROFORM	5.0	10000 U	UG/L
CHLOROMETHANE	5.0	10000 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10000 U	UG/L
1,1-DICHLOROETHANE	5.0	200000	UG/L
1,2-DICHLOROETHANE	5.0	10000 U	UG/L
1,1-DICHLOROETHENE	5.0	10000 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	10000 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10000 U	UG/L
1,2-DICHLOROPROPANE	5.0	10000 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10000 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10000 U	UG/L
1,4-DIOXANE	100	200000 U	UG/L
ETHYLBENZENE	5.0	10000 U	UG/L
2-HEXANONE	10	20000 U	UG/L
METHYLENE CHLORIDE	5.0	10000 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20000 U	UG/L
STYRENE	5.0	10000 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10000 U	UG/L
TETRACHLOROETHENE	5.0	10000 U	UG/L
TOLUENE	5.0	10000 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	140000	UG/L
1,1,2-TRICHLOROETHANE	5.0	10000 U	UG/L
TRICHLOROETHENE	5.0	10000 U	UG/L
VINYL CHLORIDE	5.0	10000 U	UG/L
O-XYLENE	5.0	10000 U	UG/L
M+P-XYLENE	5.0	10000 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	105	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102190

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	6.0	UG/L
ETHYLENE	1.0	2.8	UG/L
METHANE	2.0	13	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 1,4-DIOXANE BY SIM 8270C
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-205

Date Sampled : 04/06/04 14:35 **Order #:** 717824 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102870

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 04/12/04			
DATE ANALYZED	: 04/20/04			
ANALYTICAL DILUTION:	1.00			
1,4-DIOXANE		2.0	8.5	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(15 - 135 %)	89	%
NITROBENZENE-d5	(30 - 116 %)	106	%
2-FLUOROBIPHENYL	(38 - 107 %)	69	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-2

Date Sampled : 04/06/04 16:05 **Order #:** 717825 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/16/04			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	620	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	460	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	120	UG/L
CIS-1,2-DICHLOROETHENE	5.0	37	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-502

Date Sampled : 04/06/04 16:45 **Order #:** 717826 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	310	MG/L	04/13/04	18:09	40.0
NITRATE NITROGEN	353.2	0.0500	0.0500 U	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0500 U	MG/L	04/19/04	14:58	1.0
NITRITE NITROGEN	353.2	0.0100	0.0100 U	MG/L	04/09/04	11:33	1.0
SULFATE	300.0	0.200	2.00 U	MG/L	04/13/04	12:31	10.0
TOTAL ALKALINITY	310.1	2.00	860	MG/L	04/20/04	15:00	1.0
TOTAL ORGANIC CARBON	415.1	1.00	639	MG/L	04/24/04	03:16	40.0
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	04/13/04	10:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-502

Date Sampled : 04/06/04 16:45 **Order #:** 717826 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	282	MG/L	04/16/04	1.0
MANGANESE	6010B	0.0100	12.1	MG/L	04/16/04	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-502

Date Sampled : 04/06/04 16:45 **Order #:** 717826 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	140	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	190	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	6300 E	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	520	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	140	UG/L
CIS-1,2-DICHLOROETHENE	5.0	260	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	93	%
TOLUENE-D8	(88 - 124 %)	95	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	110	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-502

Date Sampled : 04/06/04 16:45 **Order #:** 717826 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

DATE ANALYZED : 04/16/04
ANALYTICAL DILUTION: 50.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	1000 U	UG/L
BENZENE	5.0	250 U	UG/L
BROMODICHLOROMETHANE	5.0	250 U	UG/L
BROMOFORM	5.0	250 U	UG/L
BROMOMETHANE	5.0	250 U	UG/L
2-BUTANONE (MEK)	10	500 U	UG/L
CARBON DISULFIDE	10	500 U	UG/L
CARBON TETRACHLORIDE	5.0	250 U	UG/L
CHLOROBENZENE	5.0	250 U	UG/L
CHLOROETHANE	5.0	7500	UG/L
CHLOROFORM	5.0	250 U	UG/L
CHLOROMETHANE	5.0	250 U	UG/L
DIBROMOCHLOROMETHANE	5.0	250 U	UG/L
1,1-DICHLOROETHANE	5.0	560	UG/L
1,2-DICHLOROETHANE	5.0	250 U	UG/L
1,1-DICHLOROETHENE	5.0	250 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	250 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	250 U	UG/L
1,2-DICHLOROPROPANE	5.0	250 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	250 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	250 U	UG/L
ETHYLBENZENE	5.0	250 U	UG/L
2-HEXANONE	10	500 U	UG/L
METHYLENE CHLORIDE	5.0	250 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	500 U	UG/L
STYRENE	5.0	250 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	250 U	UG/L
TETRACHLOROETHENE	5.0	250 U	UG/L
TOLUENE	5.0	250 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	250 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	250 U	UG/L
TRICHLOROETHENE	5.0	250 U	UG/L
VINYL CHLORIDE	5.0	250 U	UG/L
O-XYLENE	5.0	250 U	UG/L
M+P-XYLENE	5.0	250 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	91	%
TOLUENE-D8	(88 - 124 %)	102	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-502

Date Sampled : 04/06/04 16:45 **Order #:** 717826 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102190

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 100.00			
ETHANE	1.0	100 U	UG/L
ETHYLENE	1.0	100 U	UG/L
METHANE	2.0	6900	UG/L
PROPANE	1.0	100 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-202

Date Sampled : 04/07/04 09:11 **Order #:** 717827 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	101	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-304

Date Sampled : 04/07/04 10:35 **Order #:** 717828 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	7.1	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	101	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	92	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-203

Date Sampled : 04/07/04 11:47 **Order #:** 717829 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	100	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	100	%

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-501

Date Sampled : 04/07/04 13:48 **Order #:** 717830 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	3870	MG/L	04/13/04	18:18	400.0
NITRATE NITROGEN	353.2	0.0500	0.0500 U	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0500 U	MG/L	04/19/04	14:58	1.0
NITRITE NITROGEN	353.2	0.0100	0.0152	MG/L	04/09/04	11:33	1.0
SULFATE	300.0	0.200	43.3	MG/L	04/13/04	12:41	10.0
TOTAL ALKALINITY	310.1	2.00	229	MG/L	04/20/04	15:00	1.0
TOTAL ORGANIC CARBON	415.1	1.00	4.72	MG/L	04/23/04	17:14	1.0
TOTAL SULFIDE	376.1	1.00	2.57	MG/L	04/13/04	10:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-501

Date Sampled : 04/07/04 13:48 **Order #:** 717830 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	238	MG/L	04/16/04	1.0
MANGANESE	6010B	0.0100	7.50	MG/L	04/16/04	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-501

Date Sampled : 04/07/04 13:48 **Order #:** 717830 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	900	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	560	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	29	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	98	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-501

Date Sampled : 04/07/04 13:48 **Order #:** 717830 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102190

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 200.00			
ETHANE	1.0	200 U	UG/L
ETHYLENE	1.0	200 U	UG/L
METHANE	2.0	13000	UG/L
PROPANE	1.0	200 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD HPLC-METACIDS
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-501

Date Sampled : 04/07/04 13:48 **Order #:** 717830 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102996

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/30/04			
ANALYTICAL DILUTION: 1.00			
ACETIC ACID	1.0	1.0 U	MG/L
BUTYRIC ACID	2.0	2.0 U	MG/L
LACTIC ACID	1.0	1.0 U	MG/L
PROPIONIC ACID	1.0	1.0 U	MG/L
PYRUVIC ACID	1.0	1.0 U	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-401

Date Sampled : 04/07/04 15:17 **Order #:** 717831 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/15/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	390 E	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	26	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	11	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	93	%
TOLUENE-D8	(88 - 124 %)	92	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	113	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : MW-401

Date Sampled : 04/07/04 15:17 **Order #:** 717831 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	25 U	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	330	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25	UG/L
CIS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	99	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	99	%

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-D

Date Sampled : 04/08/04 09:02 **Order #:** 717832 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.200	2930	MG/L	04/13/04	18:27	400.0
NITRATE NITROGEN	353.2	0.0500	0.0500 U	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0500 U	MG/L	04/19/04	14:58	1.0
NITRITE NITROGEN	353.2	0.0100	0.104	MG/L	04/09/04	11:33	1.0
SULFATE	300.0	0.200	550	MG/L	04/13/04	18:27	400.0
TOTAL ALKALINITY	310.1	2.00	50.0	MG/L	04/20/04	15:00	1.0
TOTAL ORGANIC CARBON	415.1	1.00	5.70	MG/L	04/15/04	01:18	1.0
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	04/13/04	10:45	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-D

Date Sampled : 04/08/04 09:02 **Order #:** 717832 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	3.15	MG/L	04/16/04	1.0
MANGANESE	6010B	0.0100	0.0429	MG/L	04/16/04	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-D

Date Sampled : 04/08/04 09:02 **Order #:** 717832 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/15/04			
ANALYTICAL DILUTION: 2.00			
ACETONE	20	40 U	UG/L
BENZENE	5.0	10 U	UG/L
BROMODICHLOROMETHANE	5.0	10 U	UG/L
BROMOFORM	5.0	10 U	UG/L
BROMOMETHANE	5.0	10 U	UG/L
2-BUTANONE (MEK)	10	20 U	UG/L
CARBON DISULFIDE	10	20 U	UG/L
CARBON TETRACHLORIDE	5.0	10 U	UG/L
CHLOROBENZENE	5.0	10 U	UG/L
CHLOROETHANE	5.0	10 U	UG/L
CHLOROFORM	5.0	10 U	UG/L
CHLOROMETHANE	5.0	10 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHANE	5.0	840 E	UG/L
1,2-DICHLOROETHANE	5.0	10 U	UG/L
1,1-DICHLOROETHENE	5.0	10 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10 U	UG/L
1,2-DICHLOROPROPANE	5.0	10 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10 U	UG/L
ETHYLBENZENE	5.0	10 U	UG/L
2-HEXANONE	10	20 U	UG/L
METHYLENE CHLORIDE	5.0	10 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20 U	UG/L
STYRENE	5.0	10 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10 U	UG/L
TETRACHLOROETHENE	5.0	10 U	UG/L
TOLUENE	5.0	10 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10 U	UG/L
TRICHLOROETHENE	5.0	10 U	UG/L
VINYL CHLORIDE	5.0	10 U	UG/L
O-XYLENE	5.0	10 U	UG/L
M+P-XYLENE	5.0	10 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	91	%
TOLUENE-D8	(88 - 124 %)	93	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	111	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-D

Date Sampled : 04/08/04 09:02 **Order #:** 717832 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 5.00			
ACETONE	20	100 U	UG/L
BENZENE	5.0	25 U	UG/L
BROMODICHLOROMETHANE	5.0	25 U	UG/L
BROMOFORM	5.0	25 U	UG/L
BROMOMETHANE	5.0	25 U	UG/L
2-BUTANONE (MEK)	10	50 U	UG/L
CARBON DISULFIDE	10	50 U	UG/L
CARBON TETRACHLORIDE	5.0	25 U	UG/L
CHLOROBENZENE	5.0	25 U	UG/L
CHLOROETHANE	5.0	25 U	UG/L
CHLOROFORM	5.0	25 U	UG/L
CHLOROMETHANE	5.0	25 U	UG/L
DIBROMOCHLOROMETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHANE	5.0	760	UG/L
1,2-DICHLOROETHANE	5.0	25 U	UG/L
1,1-DICHLOROETHENE	5.0	25 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	25 U	UG/L
1,2-DICHLOROPROPANE	5.0	25 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	25 U	UG/L
ETHYLBENZENE	5.0	25 U	UG/L
2-HEXANONE	10	50 U	UG/L
METHYLENE CHLORIDE	5.0	25 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	50 U	UG/L
STYRENE	5.0	25 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	25 U	UG/L
TETRACHLOROETHENE	5.0	25 U	UG/L
TOLUENE	5.0	25 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	25 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	25 U	UG/L
TRICHLOROETHENE	5.0	25 U	UG/L
VINYL CHLORIDE	5.0	25 U	UG/L
O-XYLENE	5.0	25 U	UG/L
M+P-XYLENE	5.0	25 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	99	%
TOLUENE-D8	(88 - 124 %)	104	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	98	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-D

Date Sampled : 04/08/04 09:02 **Order #:** 717832 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	1.0	UG/L
ETHYLENE	1.0	1.0 U	UG/L
METHANE	2.0	2.0	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-S

Date Sampled : 04/08/04 10:05 **Order #:** 717833 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/17/04			
ANALYTICAL DILUTION: 2000.00			
ACETONE	20	40000 U	UG/L
BENZENE	5.0	10000 U	UG/L
BROMODICHLOROMETHANE	5.0	10000 U	UG/L
BROMOFORM	5.0	10000 U	UG/L
BROMOMETHANE	5.0	10000 U	UG/L
2-BUTANONE (MEK)	10	20000 U	UG/L
CARBON DISULFIDE	10	20000 U	UG/L
CARBON TETRACHLORIDE	5.0	10000 U	UG/L
CHLOROBENZENE	5.0	10000 U	UG/L
CHLOROETHANE	5.0	10000 U	UG/L
CHLOROFORM	5.0	10000 U	UG/L
CHLOROMETHANE	5.0	10000 U	UG/L
DIBROMOCHLOROMETHANE	5.0	10000 U	UG/L
1,1-DICHLOROETHANE	5.0	250000	UG/L
1,2-DICHLOROETHANE	5.0	10000 U	UG/L
1,1-DICHLOROETHENE	5.0	10000 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	10000 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	10000 U	UG/L
1,2-DICHLOROPROPANE	5.0	10000 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	10000 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	10000 U	UG/L
ETHYLBENZENE	5.0	10000 U	UG/L
2-HEXANONE	10	20000 U	UG/L
METHYLENE CHLORIDE	5.0	10000 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	20000 U	UG/L
STYRENE	5.0	10000 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	10000 U	UG/L
TETRACHLOROETHENE	5.0	10000 U	UG/L
TOLUENE	5.0	10000 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	10000 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	10000 U	UG/L
TRICHLOROETHENE	5.0	10000 U	UG/L
VINYL CHLORIDE	5.0	10000 U	UG/L
O-XYLENE	5.0	10000 U	UG/L
M+P-XYLENE	5.0	10000 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	103	%
TOLUENE-D8	(88 - 124 %)	100	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	100	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : OWD-302-S

Date Sampled : 04/08/04 10:05 **Order #:** 717833 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	8.4	UG/L
ETHYLENE	1.0	4.8	UG/L
METHANE	2.0	3.0	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Haley & Aldrich of New York
Project Reference: COOPERVISION #70665-011
Client Sample ID : TRIP BLANK

Date Sampled : 04/05/04 **Order #:** 717835 **Sample Matrix:** WATER
Date Received: 04/09/04 **Submission #:** R2420915 **Analytical Run** 102709

DATE ANALYZED : 04/17/04
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	98	%
TOLUENE-D8	(88 - 124 %)	98	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	95	%

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2420915
Client: Haley & Aldrich of New York
COOPERVISION #70665-011

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
IRON	0.100 U	1.13	1.00	113	80 - 120	102328	MG/L
MANGANESE	0.0100 U	0.556	0.500	111	80 - 120	102328	MG/L
NITRITE NITROGEN	0.0100 U	0.263	0.250	105	90 - 110	101997	MG/L
TOTAL ORGANIC CARBON	1.00 U	10.5	10.0	105	80 - 114	102034	MG/L
TOTAL SULFIDE	1.00 U	4.32	4.35	99	87 - 128	102098	MG/L
CHLORIDE	0.200 U	2.06	2.00	103	90 - 110	102153	MG/L
SULFATE	0.200 U	1.96	2.00	98	90 - 110	102154	MG/L
NITRATE/NITRITE NITROGEN	0.0500 U	0.502	0.500	100	90 - 110	102332	MG/L
TOTAL ORGANIC CARBON	1.00 U	10.3	10.0	103	80 - 114	102410	MG/L
TOTAL ALKALINITY	2.00 U	980	1000	98	92 - 109	102478	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL + 1,4-DIOXANE

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 721221 ANALYTICAL RUN # : 102709

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1.0			
ACETONE	20.0	70	50 - 150
BENZENE	20.0	94	70 - 130
BROMODICHLOROMETHANE	20.0	110	70 - 130
BROMOFORM	20.0	106	70 - 130
BROMOMETHANE	20.0	102	50 - 150
2-BUTANONE (MEK)	20.0	76	50 - 150
CARBON DISULFIDE	20.0	79	70 - 130
CARBON TETRACHLORIDE	20.0	108	70 - 130
CHLOROBENZENE	20.0	98	70 - 130
CHLOROETHANE	20.0	98	70 - 130
CHLOROFORM	20.0	105	70 - 130
CHLOROMETHANE	20.0	101	70 - 130
DIBROMOCHLOROMETHANE	20.0	105	70 - 130
1,1-DICHLOROETHANE	20.0	91	70 - 130
1,2-DICHLOROETHANE	20.0	112	70 - 130
1,1-DICHLOROETHENE	20.0	94	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	91	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	84	70 - 130
1,2-DICHLOROPROPANE	20.0	88	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	97	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	100	70 - 130
1,4-DIOXANE	400	113	50 - 150
ETHYLBENZENE	20.0	100	70 - 130
2-HEXANONE	20.0	89	70 - 130
METHYLENE CHLORIDE	20.0	96	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	82	70 - 130
STYRENE	20.0	96	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	102	70 - 130
TETRACHLOROETHENE	20.0	102	70 - 130
TOLUENE	20.0	92	70 - 130
1,1,1-TRICHLOROETHANE	20.0	101	70 - 130
1,1,2-TRICHLOROETHANE	20.0	95	70 - 130
TRICHLOROETHENE	20.0	94	70 - 130
VINYL CHLORIDE	20.0	100	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	101	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 721202 ANALYTICAL RUN # : 102709

DATE ANALYZED : 04/15/04
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	84	50 - 150
BENZENE	20.0	86	70 - 130
BROMODICHLOROMETHANE	20.0	104	70 - 130
BROMOFORM	20.0	107	70 - 130
BROMOMETHANE	20.0	90	50 - 150
2-BUTANONE (MEK)	20.0	86	50 - 150
CARBON DISULFIDE	20.0	97	70 - 130
CARBON TETRACHLORIDE	20.0	97	70 - 130
CHLOROBENZENE	20.0	92	70 - 130
CHLOROETHANE	20.0	85	70 - 130
CHLOROFORM	20.0	99	70 - 130
CHLOROMETHANE	20.0	98	70 - 130
DIBROMOCHLOROMETHANE	20.0	106	70 - 130
1,1-DICHLOROETHANE	20.0	84	70 - 130
1,2-DICHLOROETHANE	20.0	111	70 - 130
1,1-DICHLOROETHENE	20.0	83	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	84	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	78	70 - 130
1,2-DICHLOROPROPANE	20.0	83	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	92	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
ETHYLBENZENE	20.0	89	70 - 130
2-HEXANONE	20.0	106	70 - 130
METHYLENE CHLORIDE	20.0	94	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	92	70 - 130
STYRENE	20.0	88	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	99	70 - 130
TETRACHLOROETHENE	20.0	91	70 - 130
TOLUENE	20.0	82	70 - 130
1,1,1-TRICHLOROETHANE	20.0	91	70 - 130
1,1,2-TRICHLOROETHANE	20.0	93	70 - 130
TRICHLOROETHENE	20.0	81	70 - 130
VINYL CHLORIDE	20.0	90	70 - 130
O-XYLENE	20.0	87	70 - 130
M+P-XYLENE	40.0	89	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL + 1,4-DIOXANE

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 721222 ANALYTICAL RUN # : 102709

DATE ANALYZED : 4/16/2004
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	108	50 - 150
BENZENE	20.0	102	70 - 130
BROMODICHLOROMETHANE	20.0	101	70 - 130
BROMOFORM	20.0	102	70 - 130
BROMOMETHANE	20.0	114	50 - 150
2-BUTANONE (MEK)	20.0	104	50 - 150
CARBON DISULFIDE	20.0	104	70 - 130
CARBON TETRACHLORIDE	20.0	95	70 - 130
CHLOROBENZENE	20.0	97	70 - 130
CHLOROETHANE	20.0	99	70 - 130
CHLOROFORM	20.0	101	70 - 130
CHLOROMETHANE	20.0	97	70 - 130
DIBROMOCHLOROMETHANE	20.0	101	70 - 130
1,1-DICHLOROETHANE	20.0	96	70 - 130
1,2-DICHLOROETHANE	20.0	101	70 - 130
1,1-DICHLOROETHENE	20.0	100	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	106	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	96	70 - 130
1,2-DICHLOROPROPANE	20.0	96	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	102	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	101	70 - 130
1,4-DIOXANE	400	120	50 - 150
ETHYLBENZENE	20.0	107	70 - 130
2-HEXANONE	20.0	100	70 - 130
METHYLENE CHLORIDE	20.0	108	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	104	70 - 130
STYRENE	20.0	105	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	106	70 - 130
TETRACHLOROETHENE	20.0	103	70 - 130
TOLUENE	20.0	102	70 - 130
1,1,1-TRICHLOROETHANE	20.0	97	70 - 130
1,1,2-TRICHLOROETHANE	20.0	100	70 - 130
TRICHLOROETHENE	20.0	95	70 - 130
VINYL CHLORIDE	20.0	102	70 - 130
O-XYLENE	20.0	105	70 - 130
M+P-XYLENE	40.0	107	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 8260B TCL

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 721206 ANALYTICAL RUN # : 102709

DATE ANALYZED : 4/17/2004
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
ACETONE	20.0	113	50 - 150
BENZENE	20.0	104	70 - 130
BROMODICHLOROMETHANE	20.0	103	70 - 130
BROMOFORM	20.0	108	70 - 130
BROMOMETHANE	20.0	115	50 - 150
2-BUTANONE (MEK)	20.0	90	50 - 150
CARBON DISULFIDE	20.0	95	70 - 130
CARBON TETRACHLORIDE	20.0	99	70 - 130
CHLOROBENZENE	20.0	104	70 - 130
CHLOROETHANE	20.0	114	70 - 130
CHLOROFORM	20.0	106	70 - 130
CHLOROMETHANE	20.0	105	70 - 130
DIBROMOCHLOROMETHANE	20.0	99	70 - 130
1,1-DICHLOROETHANE	20.0	94	70 - 130
1,2-DICHLOROETHANE	20.0	95	70 - 130
1,1-DICHLOROETHENE	20.0	100	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	103	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	95	70 - 130
1,2-DICHLOROPROPANE	20.0	102	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	98	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	99	70 - 130
ETHYLBENZENE	20.0	106	70 - 130
2-HEXANONE	20.0	103	70 - 130
METHYLENE CHLORIDE	20.0	103	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	107	70 - 130
STYRENE	20.0	103	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	97	70 - 130
TETRACHLOROETHENE	20.0	104	70 - 130
TOLUENE	20.0	106	70 - 130
1,1,1-TRICHLOROETHANE	20.0	95	70 - 130
1,1,2-TRICHLOROETHANE	20.0	102	70 - 130
TRICHLOROETHENE	20.0	104	70 - 130
VINYL CHLORIDE	20.0	113	70 - 130
O-XYLENE	20.0	104	70 - 130
M+P-XYLENE	40.0	103	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 721179 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102709

DATE ANALYZED : 04/14/04
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
1,4-DIOXANE	100	100 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	93	%
TOLUENE-D8	(88 - 124 %)	96	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 721198 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/15/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	90	%
TOLUENE-D8	(88 - 124 %)	92	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	108	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL + 1,4-DIOXANE
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 721203 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102709

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/16/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
1,4-DIOXANE	100	100 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	103	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	101	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 721205 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102709

DATE ANALYZED : 04/17/04
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	5.0 U	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	5.0 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	98	%
TOLUENE-D8	(88 - 124 %)	97	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	96	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: RSK-175 MODIFIED

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 718705 ANALYTICAL RUN # : 102190

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 5.0			
ETHANE	141	114	50 - 150
ETHYLENE	132	115	50 - 150
METHANE	75.9	132	50 - 150
PROPANE	207	121	50 - 150

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: RSK-175 MODIFIED

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 718986 ANALYTICAL RUN # : 102268

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 5.0			
ETHANE	141	108	50 - 150
ETHYLENE	132	67	50 - 150
METHANE	75.9	108	50 - 150
PROPANE	207	106	50 - 150

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 718704 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102190

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	1.0 U	UG/L
ETHYLENE	1.0	1.0 U	UG/L
METHANE	2.0	2.0 U	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD RSK-175 MODIFIED
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 718985 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102268

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1.00			
ETHANE	1.0	1.0 U	UG/L
ETHYLENE	1.0	1.0 U	UG/L
METHANE	2.0	2.0 U	UG/L
PROPANE	1.0	1.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 722564

Dup Spiked Order No. : 722565

Client ID:

Test: 1,4-DIOXANE BY SIM 8270C

Analytical Units: UG/L

Run Number : 102870

			BLANK SPIKE		BLANK SPIKE DUP.			QC LIMITS	
ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	FOUND	% REC.	FOUND	% REC.	RPD	RPD	REC.
1,4-DIOXANE	5.0	0	3.30	66	3.80	76	14	30	40 - 150

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 1,4-DIOXANE BY SIM 8270C
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 722563 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102870

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/12/04			
DATE ANALYZED : 04/19/04			
ANALYTICAL DILUTION: 1.00			
1,4-DIOXANE	2.0	2.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(15 - 135 %)	97	%
NITROBENZENE-d5	(30 - 116 %)	81	%
2-FLUOROBIPHENYL	(38 - 107 %)	24 *	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD: HPLC-METACIDS

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 723359 ANALYTICAL RUN # : 102996

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 4/30/04			
ANALYTICAL DILUTION: 1.0			
ACETIC ACID	5.00	92	50 - 150
BUTYRIC ACID	5.00	104	50 - 150
LACTIC ACID	5.00	122	50 - 150
PROPIONIC ACID	5.00	92	50 - 150
PYRUVIC ACID	0.500	210 *	50 - 150

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD HPLC-METACIDS
Reported: 05/04/04

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 723357 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 102996

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/30/04			
ANALYTICAL DILUTION: 1.00			
ACETIC ACID	1.0	1.0 U	MG/L
BUTYRIC ACID	1.0	1.0 U	MG/L
LACTIC ACID	1.0	1.0 U	MG/L
PROPIONIC ACID	1.0	1.0 U	MG/L
PYRUVIC ACID	1.0	1.0 U	MG/L

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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: 70665-011
Project Manager: Sue Boyle	Report CC:
Company/Address: Haley & Aldrich, 100 Town Centre Dr. Suite 2, Rochester, NY 14623	
Phone #: 585-359-9000	FAX#: 585-359-4650
Sampler's Signature: A.D. Bardo	Sampler's Printed Name: Andrew I. Bardo

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOAs + 1,4-Dioxane ☒ 8260 ☐ 624 ☐ CLP	GC/MS SVOAs 1,4-Dioxane ☒ 8270 ☐ 625 ☐ CLP	8260 VOA's ☐ 8021 ☐ 601/602 PESTICIDES ☐ 8081 ☐ 608 ☐ CLP RSK-175	PCB's ☐ 8082 ☐ 608 ☐ CLP VOCs 8260	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	NO2 / NO3	Alkalinity	Cl, SO4, NO2	Fe/Mn	Sulfide	TOC	Metabolic Acids	REMARKS/ ALTERNATE DESCRIPTION
					PRESERVATIVE			1	0	1	1				3	0	0	2	5 7 3		
MW-402	717821	4-5-04	1430	AQ	3				X											
MW-204	717822	4-6-04	0900	AQ	4	X	X													Extract + hold 8270
MW-3	717823	4-6-04	1048	AQ	16	X	X	X				X	X	X	X	X	X	X		Extract + hold 8270
MW-205	717824	4-6-04	1435	AQ	15	X	X	X				X	X	X	X	X	X			Extract + hold 8270
MW-2	717825	4-6-04	1605	AQ	3				X											
MW-502	717826	4-6-04	1645	AQ	14			X	X			X	X	X	X	X	X			
MW-202	717827	4-7-04	0911	AQ	3				X											
MW-304	717828	4-7-04	1035	AQ	3				X											
MW-203	717829	4-7-04	1147	AQ	3				X											
MW-501	717830	4-7-04	1348	AQ	15			X	X			X	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

- ☐ Add 1,4-Dioxane to 8260 analyte list for specified samples.
- ☐ Hold 8270 1,4-Dioxane samples until discussion with Sue Boyle. (Run 8270 extraction) AM

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
____ 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 ____ Yes ____ No

INVOICE INFORMATION
PO# 70665-011
BILL TO: Same as above
SUBMISSION #: R2420915

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 0, 2, 3°C CUSTODY SEALS: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: A.D. Bardo	Signature: Heather Lavoie	Signature	Signature	Signature	Signature
Printed Name: Andrew Bardo	Printed Name: Heather Lavoie	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Haley & Aldrich	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 4/9/04 1000	Date/Time: 4/9/04 1000	Date/Time	Date/Time	Date/Time	Date/Time

SCOC-1102-08

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

#42607

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PAGE 2 OF 2

SR #

CAS Contact

Project Name: Coopervision	Project Number: 70665-011
Project Manager: Sue Boyle	Report CC:
Company/Address: Haley & Aldrich, 200 Town Centre Dr. Suite 2, Rochester, NY 14623	
Phone #: 359-9000	FAX#: 359-4650
Sampler's Signature: AA J. Baudo	Sampler's Printed Name: Andrew I. Baudo

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

PRESERVATIVE: 1 | | 1 | | | | | 3 | 0 | 0 | 2 | 5 | 7 | 3 | | |

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 _____

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~~ RSK-175	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	NO_2/NO_3	Alkalinity	Cl, SO_4, NO_2	Fe/Mn	Sulfide	TOC	REMARKS/ ALTERNATE DESCRIPTION
MW-401	717831	4-7-04	1517	AQ	3	X													
OWS-302-D	717832	4-8-04	0902	AQ	14	X		X					X	X	X	X	X	X	
OWS-302-S	717833	4-8-04	1005	AQ	6	X		X											
Trip Blank	717835			AQ	3	X													

AA J. Baudo 4-9-04

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See page 1

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

INVOICE INFORMATION
70665-011
PO# Same as
BILL TO: above
SUBMISSION #: RA420915

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 0.2, 3°C CUSTODY SEALS: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: AA J. Baudo	Signature: Heather Lavigne	Signature:	Signature:	Signature:	Signature:
Printed Name: Andrew Baudo	Printed Name: Heather Lavigne	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Haley & Aldrich	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 4/9/04 1000	Date/Time: 4/9/04 1000	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Q4H

SCOC-1102-08

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

#42169

Cooler Receipt And Preservation Check Form

Project/Client Haley + Aldrich Submission Number R2420915

Cooler received on 4-9-04 by: KE **COURIER:** CAS UPS FEDEX CD&L (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?	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:	0°	2°	3°	
	Is the temperature within 0° - 6° C?:	(Yes)	(Yes)	(Yes)	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Date/Time Temperatures Taken: 4-9-04 @ 10:15

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

Cooler Breakdown: Date: 4/9/04 by: CMC

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: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added
* pH	Reagent					
12	NaOH					
2	HNO_3	X				
2	H_2SO_4	X				
Residual Chlorine (+/-)	for TCN & Phenol					
5-9**	P/PCBs (608 only)					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH_____

**If pH adjustment is required, use NaOH and/or H_2SO_4

8260	VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2			
<2	all except			
717826	(MW-502)	>2		
717825	(MW-2)	>2		

Other Comments:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, New York 14414-9519
Phone: (585) 226-5353 • **FAX:** (585) 226-8696
Website: www.dec.state.ny.us

Erin M. Crotty
Commissioner

April 29, 2004

Vincent B. Dick
Haley and Aldrich of New York
200 Town Centre Drive, Suite 2
Rochester, New York 14623-4264

Dear Mr. Dick:

RE: CooperVision Site #V00175-8
Split Sample Analytical Results

Enclosed please find the groundwater results for the split samples collected by the Department at the CooperVision site on April 14, 2004.

Please contact me at (585) 226-5357 if you have any questions.

Sincerely,

Frank Sowers, P.E.
Environmental Engineer 2
Division of Environmental Remediation

cc: w/attachment
Mark VanValkenburg
Joe Albert
file

cc: w/o attachment
B. Putzig
Christopher Marraro

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 01 MW204

Date Sampled : 04/06/04 09:00 **Order #:** 717198 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102519

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20 U	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	10 U	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	6.2	UG/L
1,2-DICHLOROETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHENE	5.0	3.5 J	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	5.4	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	5.0 U	UG/L
VINYL CHLORIDE	5.0	5.0 U	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	94	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	108	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 01 MW204

Date Sampled : 04/06/04 09:00 **Order #:** 717198 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102330

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 04/12/04			
DATE ANALYZED	: 04/20/04			
ANALYTICAL DILUTION:	3.00			
P-DIOXANE		5.0	86	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	68	%
NITROBENZENE-d5	(38 - 105 %)	64	%
2-FLUOROBIPHENYL	(38 - 100 %)	28 *	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 02 MW3

Date Sampled : 04/06/04 10:48 **Order #:** 717199 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102519

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/13/04			
ANALYTICAL DILUTION: 1.00			
ACETONE	20	20	UG/L
BENZENE	5.0	5.0 U	UG/L
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L
BROMOFORM	5.0	5.0 U	UG/L
BROMOMETHANE	5.0	5.0 U	UG/L
2-BUTANONE (MEK)	10	13	UG/L
CARBON DISULFIDE	10	10 U	UG/L
CARBON TETRACHLORIDE	5.0	5.0 U	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	2000 E	UG/L
CHLOROFORM	5.0	5.0 U	UG/L
CHLOROMETHANE	5.0	5.0 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
1,1-DICHLOROETHANE	5.0	1300 E	UG/L
1,2-DICHLOROETHANE	5.0	7.3	UG/L
1,1-DICHLOROETHENE	5.0	430 E	UG/L
CIS-1,2-DICHLOROETHENE	5.0	6.2	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5.0 U	UG/L
ETHYLBENZENE	5.0	5.0 U	UG/L
2-HEXANONE	10	10 U	UG/L
METHYLENE CHLORIDE	5.0	1.3 J	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10 U	UG/L
STYRENE	5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	6.6	UG/L
TOLUENE	5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	1400 E	UG/L
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	31	UG/L
VINYL CHLORIDE	5.0	360 E	UG/L
O-XYLENE	5.0	5.0 U	UG/L
M+P-XYLENE	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	95	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	109	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 02 MW-3

Date Sampled : 04/06/04 10:48 **Order #:** 717199 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102519

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 20.00			
ACETONE	20	400 U	UG/L
BENZENE	5.0	100 U	UG/L
BROMODICHLOROMETHANE	5.0	100 U	UG/L
BROMOFORM	5.0	100 U	UG/L
BROMOMETHANE	5.0	100 U	UG/L
2-BUTANONE (MEK)	10	200 U	UG/L
CARBON DISULFIDE	10	200 U	UG/L
CARBON TETRACHLORIDE	5.0	100 U	UG/L
CHLOROBENZENE	5.0	100 U	UG/L
CHLOROETHANE	5.0	3000	UG/L
CHLOROFORM	5.0	100 U	UG/L
CHLOROMETHANE	5.0	100 U	UG/L
DIBROMOCHLOROMETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHANE	5.0	740	UG/L
1,2-DICHLOROETHANE	5.0	100 U	UG/L
1,1-DICHLOROETHENE	5.0	230	UG/L
CIS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	100 U	UG/L
1,2-DICHLOROPROPANE	5.0	100 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	100 U	UG/L
ETHYLBENZENE	5.0	100 U	UG/L
2-HEXANONE	10	200 U	UG/L
METHYLENE CHLORIDE	5.0	100 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	200 U	UG/L
STYRENE	5.0	100 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	100 U	UG/L
TETRACHLOROETHENE	5.0	100 U	UG/L
TOLUENE	5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	660	UG/L
1,1,2-TRICHLOROETHANE	5.0	100 U	UG/L
TRICHLOROETHENE	5.0	100 U	UG/L
VINYL CHLORIDE	5.0	500	UG/L
O-XYLENE	5.0	100 U	UG/L
M+P-XYLENE	5.0	100 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	91	%
TOLUENE-D8	(88 - 124 %)	96	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	110	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 02 MW3

Date Sampled : 04/06/04 10:48 **Order #:** 717199 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102330

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 04/12/04			
DATE ANALYZED : 04/20/04			
ANALYTICAL DILUTION: 40.00			
P-DIOXANE	5.0	660	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	D	%
NITROBENZENE-d5	(38 - 105 %)	D	%
2-FLUOROBIPHENYL	(38 - 100 %)	D	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 8260B TCL
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 03 MW 205

Date Sampled : 04/06/04 14:35 **Order #:** 717200 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102519

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 04/14/04			
ANALYTICAL DILUTION: 1000.00			
ACETONE	20	20000 U	UG/L
BENZENE	5.0	5000 U	UG/L
BROMODICHLOROMETHANE	5.0	5000 U	UG/L
BROMOFORM	5.0	5000 U	UG/L
BROMOMETHANE	5.0	5000 U	UG/L
2-BUTANONE (MEK)	10	10000 U	UG/L
CARBON DISULFIDE	10	10000 U	UG/L
CARBON TETRACHLORIDE	5.0	5000 U	UG/L
CHLOROBENZENE	5.0	5000 U	UG/L
CHLOROETHANE	5.0	5000 U	UG/L
CHLOROFORM	5.0	5000 U	UG/L
CHLOROMETHANE	5.0	5000 U	UG/L
DIBROMOCHLOROMETHANE	5.0	5000 U	UG/L
1,1-DICHLOROETHANE	5.0	180000	UG/L
1,2-DICHLOROETHANE	5.0	5000 U	UG/L
1,1-DICHLOROETHENE	5.0	5000 U	UG/L
CIS-1,2-DICHLOROETHENE	5.0	5000 U	UG/L
TRANS-1,2-DICHLOROETHENE	5.0	5000 U	UG/L
1,2-DICHLOROPROPANE	5.0	5000 U	UG/L
CIS-1,3-DICHLOROPROPENE	5.0	5000 U	UG/L
TRANS-1,3-DICHLOROPROPENE	5.0	5000 U	UG/L
ETHYLBENZENE	5.0	5000 U	UG/L
2-HEXANONE	10	10000 U	UG/L
METHYLENE CHLORIDE	5.0	5000 U	UG/L
4-METHYL-2-PENTANONE (MIBK)	10	10000 U	UG/L
STYRENE	5.0	5000 U	UG/L
1,1,2,2-TETRACHLOROETHANE	5.0	5000 U	UG/L
TETRACHLOROETHENE	5.0	5000 U	UG/L
TOLUENE	5.0	5000 U	UG/L
1,1,1-TRICHLOROETHANE	5.0	150000	UG/L
1,1,2-TRICHLOROETHANE	5.0	5000 U	UG/L
TRICHLOROETHENE	5.0	5000 U	UG/L
VINYL CHLORIDE	5.0	5000 U	UG/L
O-XYLENE	5.0	5000 U	UG/L
M+P-XYLENE	5.0	5000 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(83 - 119 %)	92	%
TOLUENE-D8	(88 - 124 %)	95	%
DIBROMOFLUOROMETHANE	(91 - 113 %)	108	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 04/27/04

NYS DEC - Region 8
Project Reference: NYSDEC
Client Sample ID : D408 03 MW205

Date Sampled : 04/06/04 14:35 **Order #:** 717200 **Sample Matrix:** WATER
Date Received: 04/07/04 **Submission #:** R2420879 **Analytical Run** 102330

ANALYTE		PQL	RESULT	UNITS
DATE EXTRACTED	: 04/12/04			
DATE ANALYZED	: 04/19/04			
ANALYTICAL DILUTION:	1.00			
P-DIOXANE		5.0	8.2	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(40 - 137 %)	101	%
NITROBENZENE-d5	(38 - 105 %)	96	%
2-FLUOROBIPHENYL	(38 - 100 %)	55	%

Columbia Analytical Services INC.
An Employee - Owned Company
www.caslab.com

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

SR #

CAS Contact

Project Name: NYSDEC

Project Number:

Project Manager: FRANK SOWERS PE

Report CC:

Company/Address: Ravim S
6224 E. Avon-Lima Rd
Avon NY 14414

Phone #: 585 226 5357

FAX#:

Sampler's Signature:

Sampler's Printed Name: R Cook

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

PRESERVATIVE: HCl

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)	REMARKS/ ALTERNATE DESCRIPTION
D408 01		4/6/04	0900	GW	4	X	X						
D408 02		4/6/04	1048	GW	4	X	X						
D408 03		4/6/04	1435	GW	4	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
1, 4 DIOXANE ONLY
03

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
____ 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 ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2408 79

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 5°C
CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature: Kellym. Cook	Signature	Signature	Signature	Signature
Printed Name: Robert Cook	Printed Name: K. Cook	Printed Name	Printed Name	Printed Name	Printed Name
Firm: NYSDEC	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 4/7/04 1030	Date/Time: 4/7/04 1030	Date/Time	Date/Time	Date/Time	Date/Time

SCOC-1102-08

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

Keystone
LABORATORIES, INC.

ACCREDITED IN ACCORDANCE WITH nelac

MEMBER ACIL

26 April 2004

Sue Boyle
Haley & Aldrich - NY
200 Town Center Drive
Rochester, NY 14623

RE: Coopervision
70665-011

Enclosed are the results of analyses for samples received by the laboratory on 04/10/04 13:00. If you have any questions concerning this report, please feel free to contact me at 1-800-858-5227.

Sincerely,

Jeffrey King

Jeffrey King, Ph.D.
Laboratory Director

Phone 641-792-8451
600 East 17th Street South
Newton, IA 50208
Fax 641-792-7989

Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-3	14D0530-01	Water	04/06/04 10:48	04/10/04 13:00
MW-205	14D0530-02	Water	04/06/04 14:35	04/10/04 13:00
MW-502	14D0530-03	Water	04/06/04 16:45	04/10/04 13:00
MW-501	14D0530-04	Water	04/07/04 13:48	04/10/04 13:00
OWD-302-D	14D0530-05	Water	04/08/04 09:02	04/10/04 13:00
OWD-302-S	14D0530-06	Water	04/08/04 10:05	04/10/04 13:00

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451

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Newton, IA 50208

Fax 641-792-7989

Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

Determination of Metabolic Acids

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-3 (14D0530-01) Water Sampled: 04/06/04 10:48 Received: 04/10/04 13:00									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	**11.1**	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	
MW-205 (14D0530-02) Water Sampled: 04/06/04 14:35 Received: 04/10/04 13:00									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	**72.9**	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	**326**	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	**158**	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	**177**	1.0	"	"	"	"	"	"	
MW-502 (14D0530-03) Water Sampled: 04/06/04 16:45 Received: 04/10/04 13:00									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	**635**	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	**281**	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	**113**	1.0	"	"	"	"	"	"	
MW-501 (14D0530-04) Water Sampled: 04/07/04 13:48 Received: 04/10/04 13:00									
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	

Keystone Laboratories, Inc. - Newton

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Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451

600 East 17th Street South
Newton, IA 50208

Fax 641-792-7989

Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

Determination of Metabolic Acids

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
OWD-302-D (14D0530-05) Water	**Sampled: 04/08/04 09:02**		**Received: 04/10/04 13:00**						
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	ND	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	ND	1.0	"	"	"	"	"	"	
OWD-302-S (14D0530-06) Water	**Sampled: 04/08/04 10:05**		**Received: 04/10/04 13:00**						
Pyruvic Acid (C3)	ND	0.1	mg/l	1	1D42228	04/22/04	04/22/04	HPLC/UV	
Lactic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Acetic Acid (C2)	**623**	1.0	"	"	"	"	"	"	
Propionic Acid (C3)	ND	1.0	"	"	"	"	"	"	
Butyric Acid (C4)	**35.3**	1.0	"	"	"	"	"	"	

Keystone Laboratories, Inc. - Newton

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Newton, IA 50208

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Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

Determination of Metabolic Acids - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D42228 - General Prep HPLC/IC										
Blank (1D42228-BLK1)				Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	ND	0.1	mg/l							
Lactic Acid (C3)	ND	1.0	"							
Acetic Acid (C2)	ND	1.0	"							
Propionic Acid (C3)	ND	1.0	"							
Butyric Acid (C4)	ND	1.0	"							
LCS (1D42228-BS1)				Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	13.29	0.1	mg/l	13.50		98.4	86-121			
Lactic Acid (C3)	72.34	1.0	"	77.26		93.6	65-141			
Acetic Acid (C2)	107.3	1.0	"	93.60		115	86-128			
Propionic Acid (C3)	101.2	1.0	"	101.5		99.7	90-117			
Butyric Acid (C4)	97.32	1.0	"	97.90		99.4	86-119			
Calibration Check (1D42228-CCV1)				Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	19.70	0.1	mg/l	18.50		106	80-120			
Lactic Acid (C3)	74.06	1.0	"	84.83		87.3	80-120			
Acetic Acid (C2)	145.5	1.0	"	131.1		111	80-120			
Propionic Acid (C3)	101.6	1.0	"	99.80		102	80-120			
Butyric Acid (C4)	98.21	1.0	"	96.30		102	80-120			
Calibration Check (1D42228-CCV2)				Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	20.82	0.1	mg/l	18.50		113	80-120			
Lactic Acid (C3)	73.62	1.0	"	84.83		86.8	80-120			
Acetic Acid (C2)	154.5	1.0	"	131.1		118	80-120			
Propionic Acid (C3)	105.2	1.0	"	99.80		105	80-120			
Butyric Acid (C4)	101.2	1.0	"	96.30		105	80-120			
Matrix Spike (1D42228-MS1)	**Source: 14D0530-06**			Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	13.18	0.1	mg/l	13.50	ND	97.6	76-145			
Lactic Acid (C3)	57.80	1.0	"	77.26	ND	74.8	67-145			
Acetic Acid (C2)	718.5	1.0	"	93.60	623	102	83-144			
Propionic Acid (C3)	130.3	1.0	"	101.5	ND	128	77-142			
Butyric Acid (C4)	136.7	1.0	"	97.90	35.3	104	74-139			

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451 | 600 East 17th Street South, Newton, IA 50208 | Fax 641-792-7989

Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

Determination of Metabolic Acids - Quality Control

Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1D42228 - General Prep HPLC/IC										
Matrix Spike Dup (1D42228-MSD1)		**Source: 14D0530-06**		Prepared & Analyzed: 04/22/04						
Pyruvic Acid (C3)	13.25	0.1	mg/l	13.50	ND	98.1	76-145	0.530	12	
Lactic Acid (C3)	64.29	1.0	"	77.26	ND	83.2	67-145	10.6	13	
Acetic Acid (C2)	715.7	1.0	"	93.60	623	99.0	83-144	0.390	15	
Propionic Acid (C3)	138.7	1.0	"	101.5	ND	137	77-142	6.25	17	
Butyric Acid (C4)	134.2	1.0	"	97.90	35.3	101	74-139	1.85	23	

Keystone Laboratories, Inc. - Newton

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Jeffrey King

Jeffrey King, Ph.D., Laboratory Director

Phone 641-792-8451

600 East 17th Street South
Newton, IA 50208

Fax 641-792-7989

Haley & Aldrich - NY	Project: Coopervision	
200 Town Center Drive	Project Number: 70665-011	**Reported:**
Rochester NY, 14623	Project Manager: Sue Boyle	04/26/04 14:45

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

14D0550

HALEY & ALDRICH

HALEY & ALDRICH OF NEW YORK
200 TOWN CENTRE DRIVE
SUITE 2
ROCHESTER, NY 14623-4264

ANALYSIS REQUEST FORM AND CHAIN-OF-CUSTODY

Nº 050

Page 1 of 1
Delivery Date: 4-10-04

Project Name: Coopervision
H&A File No.: 70665-011
H&A Rep.: Andrew Baudo
Work Order No.

Laboratory: Keystone Laboratories
Address: 600 East 17th Street South
Newton, Iowa 50208
Client Rep.: Jeff King

Project Manager: Sue Boyle
Final Report Due Date:
Turnaround Time: 14 days

SAMPLE INFORMATION						ANALYSIS REQUESTED							PRESERVATIVE				
													pH < 2.0			pH > 10	pH 7.0
H&A Sample ID	Laboratory ID	Sample Date	Sample Time	Sample Depth	Sample Matrix	Metabolic Acids						Total Containers	HN03 (N)	~~HNI~~ (C)	H_2S04 (S)	NaOh/ZA (Z)	4C (T)
1. MW-3		4-6-04	1048		AQ	X						2		HCl			01
2. MW-205		4-6-04	1435		AQ	X						2		HCl			02
3. MW-502		4-6-04	1645		AQ	X						2		HCl			03
4. MW-501		4-7-04	1348		AQ	X						2		HCl			04
5. OWP-302-D		4-8-04	0902		AQ	X						2		HCl			05
6. OW3-302-S		4-8-04	1005		AQ	X						2		HCl			06
7.																	
8.																	
9.																	
10.																	
11.																	
12.																	
13.																	
14.																	
15.																	

Sampler Comments/Site Observations

Please return cooler to address above (no rush).

Sample Conditions
Custody Seal: Intact:
Cooler Temp.:
Any Broken Containers
Preservation
No. of Samples: (N) (C) (S) (Z) (T)
(List all pH measurements outside criteria in the Comments Section by H&A No./Cont./pres.)

Broken Containers
List Type/Sample No.

Comments:

Sampled and Relinquished By: Andrew Baudo	Samples Received By: Fed Ex
Signature: Andrew Baudo	Signature: tracking: 843366614570
Company Name: Haley & Aldrich	Company Name:
Date: 4-9-04 Time: 1630	Date: 4-9-04 Time: 1630
Sampled and Relinquished By:	Samples Received By: 4-10-04 1:00
Signature:	Signature:
Company Name:	Company Name:
Date: Time:	Date: Time:
Sampled and Relinquished By:	Samples Received By:
Signature:	Signature:
Company Name:	Company Name:
Date: Time:	Date: Time: