PRELIMINARY REPORT ON REMEDIATION ACTIVITIES COOPERVISION, INC. 711 NORTH ROAD SCOTTSVILLE, NEW YORK 14546

By

Haley & Aldrich of New York Rochester, New York

For

Wallace King Marraro & Branson, PLLC Washington, DC

File No. 70665-006 April 2002

UNDERGROUND **ENGINEERING & ENVIRONMENTAL** SOLUTIONS

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Wallace King Marraro & Branson, PLLC 1735 New York Avenue, N.W Washington, DC 20006

Attention:

Mr. Chris Marraro, Esq.

Subject:

Preliminary Report on Remediation Activities CooperVision, Inc. 711 North Road Scottsville, New York 14546

Ladies and Gentlemen:

Haley & Aldrich is pleased to submit this report documenting field activities and preliminary results associated with remediation completed under a Voluntary Remediation Agreement (Agreement) between the New York State Department of Environmental Conservation (NYSDEC) and CooperVision Corporation at the above-listed property. The work completed for this Agreement is in conformance with the NYSDEC-approved Revised Remediation Work Plan dated 5 February 2001.

In summary, the remediation activities reported herein are intended to address groundwater contamination issues at the site. Goals of the remediation activities are described in detail in Section 4 of the Revised Remediation Work Plan dated 5 February 2001. The remediation construction described in the work plan has been completed. Ongoing monitoring, also described in the work plan, will continue on a quarterly basis at the site. Initial monitoring results are also summarized herein.

Please contact the undersigned with any questions you may have and thank you for the opportunity to continue assisting with this project.

Sincerely yours, HALEY & ALDRICH OF NEW YORK

Susan L.

Senior Engineer

Vinceát B. Dick Vice[®] President

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EXECUTIVE SUMMARY

The CooperVision facility is located at 711 North Road, Scottsville, New York . Past manufacturing processes prior to CooperVision presence at the site appear to have contaminated soil and groundwater on portions of the site with TCA and its biodegradation breakdown products. Through review of investigative reports prepared for the facility by Haley & Aldrich and others, NYSDEC notified CooperVision that it was eligible for participation in the Voluntary Cleanup program.

The NYSDEC determined that additional investigations were necessary under the VCA and an Investigative Work Plan dated 8 January 1999 (with Addenda dated 18 March 1999 and 3 September 1999) was submitted to, and approved by, the NYSDEC. A Voluntary Cleanup Agreement for investigation of the site was signed by CooperVision and NYSDEC dated 6 April 1999.

CooperVision completed the work described by the 1999 Investigative Work Plan and the results were summarized in a report dated May 2000. The results of the investigation showed that source residues at the CooperVision facility existed only in limited areas. The highest soil concentrations detected at that time were slightly above NYSDEC 4046 TAGM levels. TCA concentrations in groundwater exceeded NYSDEC groundwater standards locally near the source and up to $240 \pm$ feet downgradient.

A VCA Remediation Work Plan (dated February 2001) was submitted to, and approved by, the NYSDEC. This Work Plan described implementation of enhanced bioremediation via injection of a liquid substrate (Hydrogen Release Compound, HRC) as the chosen remediation alternative. HRC is a food-grade, polylactate ester that is designed to enhance biodegradation in the subsurface. The remediation approached involved HRC being injected in a grid-type pattern directly into the portions of the subsurface impacted by the site contaminants. The Remediation Work Plan described the design developed for injection and subsequent monitoring of the remediation alternative. This design was prepared by Haley & Aldrich and Regenesis, the developer and manufacturer of HRC. The NYSDEC provided input throughout the design process and approved the final injection design. This Work Plan became the final version attached to a VCA for remediation signed by the NYSDEC dated 31 May 2001.

As described in this report, the HRC was installed during July to September 2001. The difficult geologic conditions (dense glacial tills) present at the CooperVision facility presented challenges during the HRC injection activities, but the full design amount of HRC was injected into the subsurface at the designated locations successfully.

The post-injection monitoring program described in the Remediation Work Plan is ongoing. Initial monitoring data indicates conditions necessary for biodegradation of site contaminants are being produced. The progress of the remediation will continue to be assessed through implementation of the approved groundwater monitoring program over the next 12 to 24 months.

This document provides the documentation of remediation construction (injection) and Engineer's Statement that the construction was carried out according to the work plan, as required by the VCA and NYSDEC.



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I. INTRODUCTION

1.1 Project Background

The CooperVision facility is located on a parcel of land of about 5.4 acres. The property includes an original building with additions having a total area of approximately 50,000 sq. ft. Soil and groundwater on some portions of the property have been found to be impacted primarily by 1,1,1-trichloroethane ("TCA"), most probably from activities of a former owner who, beginning in the mid-1970's, occupied the property and used it for manufacturing.

CooperVision, Inc. applied to the New York State Department of Environmental Conservation ("NYSDEC") for participation in the State's Voluntary Cleanup ("VC") Program for CooperVision's facility at 711 North Road, Scottsville, New York (see Figure 1). By letter dated 21 July 1998, NYSDEC notified CooperVision that it was eligible for participation in the VC program. In determining eligibility, NYSDEC reviewed a report prepared by Haley & Aldrich, dated 23 April 1998, describing previous investigations of the site. NYSDEC's review comments, dated 22 July 1998, contained requests for certain additional information and investigations. On 10 August 1998, and again on 1 September 1998, CooperVision submitted to NYSDEC written responses to the Agency's comments.

Upon being deemed an eligible Volunteer, an Investigative Work Plan dated 8 January 1999 was submitted to NYSDEC and described investigations that CooperVision would conduct in response to NYSDEC's review comments. Work Plan Addenda dated 18 March 1999 and 3 September 1999 were approved by the NYSDEC. The Work Plan became an appendix to a Voluntary Cleanup Agreement (VCA) for implementation of the investigation described herein, entered into between NYSDEC and CooperVision.

CooperVision completed the work described by the 1999 Investigative Work Plan and the results were summarized in a report dated May 2000. The results of the investigation showed that source residues at the CooperVision facility existed only in limited areas. The highest soil concentrations detected at that time were slightly above NYSDEC 4046 TAGM levels. TCA concentrations in groundwater exceeded NYSDEC groundwater standards locally near the source and up to $240 \pm$ feet downgradient.

The investigation report evaluated several potential remediation approaches and ultimately recommended enhancing existing bioremediation occurring in the subsurface at the site, via injection of a food-grade substrate. Such chemical substrates are intended to enhance conditions for growth and function of anaerobic micro-organisms that promote reductive dechlorination of site chlorinated solvents such as TCA and related site compounds. The substrate recommended by the report was Hydrogen Release Compound (HRC), a commercially available slow-release substrate specifically formulated for application to remediation sites such as CooperVision.

Remediation design was provided to NYSDEC in a work plan dated February 2001, [amended by comment from NYSDEC from submittals dated 23 June 2000 and 24 July 2000], and the approved version was submitted by NYSDEC for public comment 18 June 2001. This work plan became the final version attached to the remediation VCA signed by the NYSDEC dated 31 May 2001. The remediation work plan was implemented through injection and well drilling activities performed between July and September 2001, and through subsequent initial performance monitoring (October 2001 and January 2002). This report provides documentation



required by the VCA describing the remediation implementation. An Engineer's Statement affirming performance of the remediation "construction" (actually injection and related activities as described above) is included at the end of this report.

1.2 Project Objectives

The field activities and performance monitoring activities described in this report were performed as described in the VCA Remediation Work Plan (revised version dated February 2001). The project objectives include:

- Implement the NYSDEC-approved remediation technology, enhanced bioremediation, through installation of Hydrogen Release Compound (HRC) in the subsurface surrounding the facility.
- Install the HRC as described in the design portion of the February 2001 Work Plan. If deviations from the design were determined to be necessary, interface with the NYSDEC to determine alternate approach(es) acceptable to both NYSDEC and CooperVision.
- Install two additional shallow monitoring wells to augment the remediation performance monitoring network.
- Implement the groundwater monitoring program to assess remediation performance, as described in the Work Plan.



II. HRC REMEDIATION DESIGN AND IMPLEMENTATION

2.1 HRC Background

HRC is a proprietary, environmentally safe, food quality, polylactate ester specially formulated for slow release of lactic acid upon hydration. The HRC is injected into the subsurface contaminant plume and then left in place where it passively works to stimulate contaminant degradation.

The process by which HRC operates is a complex series of chemical and biologically mediated reactions. Initially, sugars contained in HRC stimulate aerobic population "overgrowth" that ultimately consumes oxygen and promotes onset or enhancement of anaerobic conditions. When in contact with subsurface moisture, the HRC slowly releases lactic acid. Indigenous anaerobic microbes metabolize the lactic acid producing consistent low concentrations of dissolved hydrogen. The resulting hydrogen is then used by other subsurface microbes (reductive dehalogenators) to strip solvent molecules of their chlorine atoms and allow for further biological degradation. HRC can remain active in the subsurface for an extended period of time, approximately one year, a time period that varies with site conditions.

2.2 HRC Design

As summarized in the Remediation Work Plan, the HRC injection design was based on the results of site groundwater quality from the October 1999 and prior sampling events and was designed to be injected into the subsurface on a grid-type pattern in four areas of the site. Differences in the amount of HRC designed for each area were due to variations in site-specific conditions in each of the areas, the most important variable being contaminant concentrations. Detailed information about the design methodology can be found in the Remediation Work Plan (February 2001). The planned injection scenario for each area is summarized below and Figure 2 shows the locations of these areas.

Area 1: This area contains the apparent source zone and is located outside the compressor room door. For design purposes, this area is defined as approximately 35 feet by 55 feet. HRC was designed to be injected in approximately 40 points on a 7-foot spaced grid, from 5 to 38 feet below ground surface (bgs) for a total of approximately 165 lbs per hole. Upon layout of the grid pattern in this area at the start of field activities, slight modifications in the grid spacing were needed to accommodate surface structures and obstructions. NYSDEC requested additional injection points to fill in apparent gaps in the grid after initial layout and the final grid included 43 injection points. The final grid pattern is shown in Figure 2.

Area 2: This area is located adjacent to loading dock #2, in the vicinity of MW-3 and MW-403. For design purposes this area was defined as approximately 35 by 40 feet. HRC was designed to be injected in approximately 16 points on a 10-foot spaced grid, from 5 to 25 feet bgs for a total of approximately 40 lbs per hole. Again, slight adjustments were made in the field when layout was performed to adjust to surface obstructions. The final injection grid still included 14 points, but at the adjusted locations shown in Figure 2.

Area 3: This area is a "sub-area" of Area 1, located south of the Molding Stores room. For design purposes this area was defined as approximately 30 feet by 20 feet. HRC was designed to be injected in approximately 7 points on a 10-foot spaced grid from 5 to 38 feet bgs. for a total of approximately 80 lbs per hole. Field adjustments on final layout resulted in injection



locations shifting to avoid a main electrical conduit that passes by Area 3 and a small concrete step landing outside the Molding Stores room.

Area 4: This area is a sub-area associated with Area 2, located east of the Molding Stores room. This injection consisted of a staggered line of four injection points parallel to the building, spaced approximately 7 feet apart. HRC injection was planned to be from 5 to 36 feet bgs for a total of approximately 62 lbs per hole.

The HRC remedial program for Area 1, as well as the other areas, was designed as a single injection event. Potential future injections will depend on the results that are observed from the first injection. A minimum of 12 to 18 months will be necessary to obtain and evaluate the data to determine the effectiveness of the HRC toward reducing site contaminant concentrations.

3.1 HRC Injection Activities

The HRC injection activities took place from 24 July through 19 September 2001. Haley & Aldrich provided field oversight of all contractor activities for the injection program, and itself performed sampling required for performance monitoring. NYSDEC provided agency oversight during the majority of field activities and was notified at the site or by phone of changes, delays and/or modifications in the program. All material changes to the program were reviewed and approved by NYDEC prior to implementation. Sampling events were also attended by NYSDEC for purposes of splitting samples from selected wells.

Although challenges due to the difficult geologic conditions (very dense glacial tills) were encountered, the full designed amount of HRC was injected in the subsurface, plus a small amount of additional HRC based on the final grid layout approved in the field by NYSDEC. Figure 2 shows the labeled locations of each of the HRC injection points. Tables 1 through 4 summarize the pounds of HRC (loading rates) and the injection interval at each location. Deviations from the designed loading rates and injection intervals were minimal, and are described in the sections below.

Because of the difficult drilling conditions, several variations of the design drilling/injection were attempted throughout the duration of the injection program. Efforts have been made to document site methods used for remediation construction in this report in a relatively complete, succinct manner. Difficulties encountered during drilling and injection necessitated the need for the subcontractor to move back and forth between the various injection areas, therefore, as shown in Tables 1 through 4, each area was not necessarily completed in a chronological manner.

Inland Pollution Services (IPSI) was the original selected subcontractor for the HRC injection work. Because of unacceptably slow progress, on 7 August 2001, CooperVision and IPSI mutually agreed to break the service contract after only a portion of the total injection program was completed. IPSI was replaced by a team consisting of Nothnagle Drilling and Zebra Environmental who resumed the drilling/injection activities on 27 August 2001 and carried the remainder of field installation through its completion.

Past drilling experience at the site had indicated the injection method typically used for HRC (Geoprobe-type direct push methods) would not be successful. Both teams of subcontractors who performed portions of the injection work attempted field tests with powerful Geoprobe rigs (Zebra on 8 July 2000 and IPSI 24 July 2001) but could not attain the target depths. Therefore, rotary drilling methods were necessary to inject the HRC to the full target depths.



After IPSI provided field testing of mud and air rotary methods, bentonite mud rotary techniques were selected because of the unacceptably high levels of dust produced at the ground surface by the air rotary methods. The original HRC injection method utilized a five-foot long, 1.5 inch diameter PVC screen/riser sealed in a pre-drilled hole with a bentonite plug at the ground surface. The HRC was injected in five-foot intervals starting at the target depth with the PVC being retracted toward the ground surface as injection continued (tremmie injection). The bentonite plug failed on several locations allowing injected HRC to flow from the hole onto the ground surface. A 20-foot length of PVC screen was then used to eliminate the need to break the bentonite seal during retraction. The NYSDEC approved this plan in the field on 3 August 2001. IPSI used this drilling method for injection of all locations in Area 2 and one location in Area 3.

Nothnagle and Zebra Environmental mobilized to the site on 27 August 2001 and began drilling using air rotary methods (modified over that originally used by IPSI) with surface dust collection/mitigation procedures. The HRC was injected by Zebra using the Rupe pump through Nothnagle's drilling stem after the target depth was reached, eliminating the need for injection through PVC tremmie piping. NYSDEC approved this plan in the field on 29 August 2001.

At some locations, cross-hole communication appeared to occur when drilling of a new location was performed near certain recently injected holes. Apparent pneumatic pressure from the air rotary forced HRC out of nearby recently-injected holes. After discussions with NYSDEC and the drillers, mud rotary (no bentonite) was again implemented on 27 August 2001. These methods were used for the remainder of the injection program, with a slight modification required to complete the injection in Area 3 because of relatively high loading rates in this area. To mitigate the problem of "blowback" of HRC and groundwater from the injection holes, several methods for removing the water from the borehole prior to injection were considered. The successful drilling/injection method that was approved and used to complete the drilling and injection of these final locations was as follows: the pilot hole was drilled with a 3 7/8-inch bit () to allow for injections of larger volumes of HRC and allowed an air compressor to "lift" the water from the hole into drums for containment and disposal.

Again, despite the difficult drilling conditions and need for contingency drilling and injection methods, the design-amount of HRC was installed in the subsurface at the locations required. Minor deviations in injection amounts occurred, as summarized below:

- Area 1 Two locations (111 and 1G1) received additional HRC over the design amount of #lbs per hole (170 and 180 lbs respectively) because excess HRC remained at the completion of injection activities.
- Area 2 No deviations from the design were necessary.
- Area 3 After injection in this area had been completed, air rotary drilling methods in adjacent Area 4 caused blowback at hole 3B2. The drilling methods were consequently changed back to mud rotary.
- Area 4 All holes were injected with the required 62 lbs. of HRC with the exception of location 4B1. Although the target depth (approximately 36 feet bgs) was reached during drilling, some caving apparently obstructed the bottom 4 ft of the hole and the injection rods were only capable of reaching a depth of 32 feet



bgs. A total of 58 lbs. of HRC was injected into the hole. Attempts were made to force injection of the remaining design amount but it blew back to the ground surface.



IV. OTHER NON-INJECTION ACTIVITIES

4.1 Additional Monitoring Well Installation

To better monitor the effectiveness of the HRC injection, two additional monitoring wells were required by the work plan and installed at the site; one immediately east of the molding stores areas near MW-2 (shown as MW-502 on Figure 2) and one approximately 20 feet south of the molding stores area (shown as MW-501 on Figure 2). These wells were installed on 19 and 20 July 2001.

To conform with the Work Plan and as requested by the NYSDEC, separate soil borings were performed on 19 and 20 September 2001 to confirm the monitoring well screens had been installed at the appropriate depths for monitoring site contaminants. Soil samples were obtained and were field screened with a photoionization detector (PID) by Haley & Aldrich personnel. The results of this field screening indicated that the two newly installed wells had been installed at the appropriate depths. The field screening results are shown on boring logs included with the well installation reports in Appendix A.

MW-501 was installed to a depth of approximately 20 feet below ground surface with a screened interval from approximately 15 to 20 feet below ground surface. MW-502 was installed to a depth of approximately 35 feet below ground surface with a screened interval from approximately 30 to 35 feet below ground surface.

Each of the boreholes were drilled with a 2 ¹/₄ in. hollow-stem auger after the top 3 to 4 feet of the locations were hand-augured to check for utilities. As the Monitoring Well reports in Appendix A indicate, the well risers and screens consist of 1.25 inch PVC and the well screens are 5 feet in length.

The newly installed wells were developed several times between the time they were installed and when they were sampled, using a Watera footvalve and tubing.

4.2 Baseline Groundwater Sampling

Approximately one week prior to the HRC injection (July 2001), the newly installed wells and the subset of existing wells indicated in the Remediation Work Plan wells were sampled to provide data on pre-injection baseline conditions. The sampled wells were: MW-202, MW-203, MW-204, MW-205, MW-2, MW-304, MW-401, MW-402, MW-3, MW-501, MW-502, OWD-302D, and OWS-302S.

Prior to sampling, the wells were purged using Water footvalves and tubing. Field parameters were monitored for stabilization during the purging, including dissolved oxygen, pH, Eh, temperature, and conductivity. When the parameters stabilized, groundwater samples were collected using disposable bailers.

Laboratory analyses included dissolved gases (methane, ethane, and ethene), VOCs using EPA Method 8260, anions (sulfate, sulfide, nitrate, nitrite, chloride, and alkalinity), cations (ferrous and total iron), and metabolic acids (lactic, acetic, proprionic, pyruvic, and butyric - breakdown products of HRC). Field measurements of carbon dioxide, ferrous iron, and alkalinity were obtained at the wellhead. A Groundwater Sampling Record for this sampling event, which contains field parameter measurement data, is included in Appendix B.



Laboratory analyses were completed at Columbia Analytical Services (CAS) in Rochester, New York except for the metabolic acids which were analyzed by Keystone Labs in Newton, Iowa because Keystone has the capabilities to attain lower detection limits. Results of these analyses are summarized in Tables 5 through 9 with separate tables for each of the various site area designations (upgradient, source area, mid-gradient, downgradient). Analytical laboratory reports are included in Appendix C.

4.3 Post-Injection Groundwater Monitoring Results

At the date of the writing of this report, three rounds of post-injection groundwater data were available for review: September and October 2001, and January 2002. These three events were performed in accordance with the Remediation Groundwater Monitoring Schedule (Remediation Work Plan, February 2001) and were performed using the sampling methods described in the work plan and used for the baseline sampling event. The groundwater parameters obtained during these three post-injection events were:

- September 2001 Field parameters only obtained.
- October 2001 First quarter sampling. VOCs, dissolved gases, cations/anions, field parameters obtained.
- January 2002 Second quarter sampling. VOCs, dissolved gases, HRC components, and field parameters obtained. Wells MW-501 and MW-3 could not be sampled during the January event because surface runoff prevented access to the well riser of MW-501, and well MW-3 could not be located due to snow cover. These two wells were sampled on 15 February 2002.

The results of the VOC analyses are summarized in Tables 5 through 9. Time series plots of site contaminants and biodegradation breakdown products are also shown on these tables. The remainder of the groundwater analytical parameters are summarized on Table 9. Groundwater sampling records for each event are included in Appendix B.

As the HRC disperses into the aquifer, geochemical shifts occur which indicate production of the necessary conditions for biodegradation of site contaminants. These geochemical shifts include: increases in dissolved organic carbon and organic acids (HRC components), decreases in dissolved oxygen and redox potential as anaerobic conditions are produced, and decreases/increases of certain biodegradation parent/daughter compound combinations, such as sulfate/sulfite, and total iron (Fe⁺³)/dissolved iron (Fe⁺²).

Preliminary data received to date indicate these geochemical shifts are occurring in the aquifer. Because an aquifer is not a perfect closed or homogeneous system, parallel responses in geochemistry shifts are not expected at all locations simultaneously. Regenesis, the developer and manufacturer of HRC, indicates sites with similar geologic conditions to those at the CooperVision facility have required relatively longer amounts of time for development of the necessary conditions across the treatment area, compared with sites with more permeable geologic conditions.

The data received to date indicates the anaerobic conditions and electron donor availability necessary for site contaminant degradation have commenced in the subsurface. Specific examples include:



- Organic Acids (direct measure of HRC components and organic acids produced by microbes utilizing HRC):
 - MW-205 lactic acid (23.6 mg/L) and acetic acid (179 mg/L) in January 2002.
 - MW-3 acetic acid (14 mg/L), propionic acid (15 mg/L) and butryic acid (7.6 mg/L) in February 2002.
- Dissolved organic carbon (indirect measure of organic acids generated from dissolution of HRC):
 - MW-501 increased from 3.38 to 141 mg/L (from July to October 2001).
 - MW-502 increased from 5.21 to 26.7 mg/L (from July to October 2001).
- **Dissolved oxygen (DO) and redox potential (indications of anaerobic conditions):**
 - MW-401 DO decreased 0.42 to 0.15 mg/L and redox decreased from –42 to 77 mV (from July 2001 to January 2002).
 - MW-205 Redox decreased from –53 to –88 mV (from July 2001 to January 2002)
 - Many other wells are maintaining the relatively low DO and redox values present prior to HRC injection.
- **Sulfate (decreases as anaerobic conditions are produced):**
 - MW-501 decreased from 40.2 to 21.5 mg/L
 - MW-502 decreased from 183 to 56.2 mg/L
- **Dissolved Iron (increases as anaerobic conditions are produced):**
 - MW-205 increased from 0.2 to 2.6 mg/L
 - \circ MW-401 increased from 1.8 to 2.9 mg/L

Continued evaluation of the HRC performance data will be performed as additional rounds are obtained, and will be reported in monthly status reports required under the VCA.

It is too early to expect to see a substantial effect of the HRC injection on VOC concentrations. The data do indicate changes are occurring, evidenced by decreases in the parent compound concentrations (1,1,1-TCA) and increases in daughter compound concentrations (1,1-DCA), as seen in the groundwater data for some of the source and downgradient wells OWS-302S, MW-205 and OW-401.

Low level detections of site contaminants were detected at downgradient well MW-204 during the July and October 2001 and January 2002 sampling events. These detections included maximum values of 0.022 mg/L of 1,1,1-Trichloroethane, 0.019 of 1,1-dichloroethane, and 0.015 of 1,1-dichloroethene during the October 2001 event. Analytical results from the January 2002 event indicate decreasing concentrations since October 2001. A summary of the analytical results are shown on Tables 5 through 8 and Figures 4 through 9. CooperVision will continue to monitor and evaluate these detections as the remediation program continues. Downgradient well MW-203 remains non-detect for all site contaminants.

4.4 Groundwater Data Anomalies

Several compounds that are not site compounds of concern were detected at low levels during past groundwater sampling events. In particular, some of these compounds were detected in the NYSDEC split samples obtained during the October 2001 sampling event and analyzed by



Lozier Laboratories for the NYSDEC. Because of these anomalies, Denis Conley, data validator with Haley & Aldrich, reviewed the October and July data sets to assist with evaluation of the potential source of these detections. The results of the data review are summarized in the following sections.

In general, the results of the NYSDEC split samples are in agreement with the samples analyzed at CAS with the exception of the detection of various BTEX-type compounds at levels ranging from 7 to 46 ppb in the split sample for MW-501. Because these compounds were not present in the sample analyzed by CAS, these compounds were never used in any site manufacturing process, and there is no history of these compounds as contaminants in the subsurface at the CooperVision site, their presence at the site is suspect. Based on review of laboratory data, it appears these detections are a result of either laboratory instrument carryover contamination or impact during sample storage, transportation. Toluene detected in the October NYSDEC split sample at 0.0021 ppb may be attributed to either laboratory contamination or to impact from gasoline during sample storage or transportation.

Low level detections of methylene chloride (0.0063 ppm in well MW-502 in July 2001, and 0.18 ppm in OW-401 in October 2001) appear to be indicative of low level laboratory contamination for this target compound. The reported detection of 1.1 ppm in well MW-502 in the October 2001 sample is most likely due to the 100 fold dilution of the sample with laboratory reagent water. The actual concentration detected in the diluted sample was 0.011 ppm and is probably present due to this low level laboratory contamination.

The detection of acetone at 0.072 ppb and methyl ethyl ketone (0.011 ppm in MW-502 July 2001 sample and 0.005 ppm in MW-403 October 2001 NYSDEC split) also appear to be due to laboratory contamination as these compound are common contaminants of methanol reagents used in the preparation of the project samples.

4.5 Waste Management

Soil cuttings waste was generated during the drilling process. Soil cuttings generated during the mud drilling were settled out of the drilling fluid as much as possible. The waste soils were then hauled to a lined roll-off container staged on site, using a poly-lined bucket on a loader. The contents of the roll-off were shipped to Model City, New York for proper disposal.

Waste drilling fluid and groundwater generated during the drilling/injection process was containerized in drums. The drums were temporarily staged on the concrete pad between Areas 3 and 4 until they were properly disposed of off-site by Waste Technologies Services.

Manifests from the disposal of the wastes are included in Appendix D.



V. ENGINEERS STATEMENT

On behalf of Haley & Aldrich of New York, the undersigned state that the remediation work described in this document "Preliminary Report on Remediation Activities, CooperVision, Inc.", dated 10 April 2002, was conducted in conformance with:

- Voluntary Cleanup Agreement (Remediation) dated 31 May 2001;
- "REVISED CooperVision VCA Remediation Work Plan, dated 5 February 2001, and;
- Field modifications made to the Work Plan and approved by the NYSDEC during remediation activities, as summarized in the text of this report.

This report is a true and accurate summary of the work performed. Haley & Aldrich of New York was the firm responsible for the day to day performance of activities that comprised this site's remediation. The undersigned certify that the Remediation Work Plan was implemented and that construction activities were completed in accordance with the Department-approved Remedial Work Plan and were personally witnessed by me (or by a person under my direct supervision).

Vincent B. Dick, Project Manager Vice President Haley & Aldrich

Paul M Fornato: ₹È Vice President Haley & Aldrich

HALEY & ALDRICH

APPENDIX A

OBSERVATION WELL INSTALLATION REPORTS AND SOIL BORING REPORTS

HALEY &		OBSER	VATION	WELL		Well No. MW-502
ALDRICH	TN					Boring No.
		NSIALI	LATION R	EPORI		00.5
PROJECT	COOPERVISION VC	CA/MNA PROJEC		H&A FILE	NO. 70665	-006 TV
CLIENT	COOPERVISION. IN	IC.	NEW TORK	FIELD RE	$\frac{V.DR}{N.CA}$	SE, A. BAUDO
CONTRACTOR	IPSI			DATE INS'	FALLED 7/19/2	001
DRILLER	J. NERI			WATER L	EVEL	
Ground El.	ft	Location SEE	PLAN		🗌 Guard Pip	e
El. Datum					Roadway	Box
SOIL/ROCK	BOREHOLE		Type of protectiv	ve cover/lock	ROA	DBOX
CONDITIONS	BACKFILL					
	0.0 FT.		Height/Depth of	top of guard pipe/roa	dway box	FLUSH ft
			above/below gro	und surface		
		│ _┯ │┌┮	+			
	CEMENT		Height/Depth of	top of riser pipe		<u> </u>
			above/below gro	und surface		
2.0 FT.						
			Type of protectiv	ve casing:	Y	
			Length Inside Diama	400		<u> </u>
			Inside Diame	ter		<u> </u>
	HYDRATED		Depth of bottom	of guard nine/roadw	av hov	0.8 f t
	BENTONITE			or guara pipe/roud in	iy box	<u> </u>
				Type of Seals	Top of Seal (ft)	Thickness (ft)
				Concrete	0.0	2.0
				Bentonite Seal	2.0	27.0
		L1				
			Type of riser pip	e:	P	VC
			Inside diame	ter of riser pipe		<u>1.5</u> in
			Type of back	fill around riser	SEE	LEFT
			Diameter of bore	ehole		<u>8.0</u> in
	27.0 FT.	─ ┤ ╪┆╞╼	Donth to top of y	vall samoon		20.0 f t
	50.011.		Depth to top of v	ven sereen		<u> </u>
	OUARTZ					
	SAND		Type of screen		Р	VC
			Screen gauge	or size of openings		0.01 in
		L2	Diameter of s	creen		<u>1.5</u> in
		- +	Type of backfill	around screen	QUAR	ΓZ SAND
			Depth of bottom	of well screen		<u>35.0</u> ft
			<u>+</u>			
			Bottom of Silt tr	ap		ft
┝── ─	35.0 FT.	I I I	Depth of bottom	of borehole		<u>35.0</u> ft
(Botton (Numbers refer to de	m of Exploration) epth from ground surface in feet)			(Not to Scale)		
	ft +		ft +	ft =	-	ft
Riser	Pay Length (L1)	Length of scre	en (L2) Length	n of silt trap (L3)	Pay leng	gth
COMMENTS:						

HALEY &		OBSER	RVATION V	VELL		Well No. MW-501
ALDRICH	TN			FDODT		Boring No.
			LATION K	EPORI	NO 50445	007
PROJECT LOCATION	711 NORTH ROAD	A/MNA PROJE		H&A FILE	NO. 70665 MCR V DIC	.006
CLIENT	COOPERVISION, IN	<u>.</u> C.	NEW TORK	FIELD RE	$\frac{V.DR}{N.CA}$	SE, A. BAUDO
CONTRACTOR	IPSI			DATE INS	FALLED 7/20/2	001
DRILLER	J. NERI			WATER L	EVEL	
Ground El.	ft	Location SEE	E PLAN		Guard Pip	e
El. Datum					Roadway	Box
SOIL/ROCK	BOREHOLE		Type of protective	cover/lock	ROA	DBOX
CONDITIONS	BACKFILL					
	0.0 FT.		Height/Depth of to	op of guard pipe/roa	dway box	FLUSH ft
			above/below groun	nd surface		
			- -			
	CEMENT		Height/Depth of to	op of riser pipe		<u>0.3</u> ft
			above/below groun	la surface		
2.0 FT.		_		_		
			Type of protective	casing:	N	I/A
			Length	_		<u> </u>
			Inside Diamete	ſ		<u> </u>
	LIVDRATED		Donth of bottom of	f guard pipa/roadwa	ay hay	0.8 ft
	BENTONITE			i guaru pipe/roauwa	iy box	<u> </u>
	DENTONITE			Type of Seals	Top of Seal (ft)	Thickness (ft)
				Concrete	0.0	2.0
				Bentonite Seal	2.0	18.0
		L1				
			Type of riser pipe:	:	P	VC
			Inside diameter	r of riser pipe		<u> </u>
			Type of backfil	l around riser	SEE	LEFT
18.0 FT.						
			Diameter of boreh	ole		<u>8.0</u> in
		│┼┊╞┾				20.0
			— Depth to top of we	ll screen		ft
	OUAPTZ					
	SAND		Type of screen		Р	VC
	5/1(B		Screen gauge o	r size of openings	1	0.01 in
		L2	Diameter of sci	reen		1.5 in
			Type of backfill ar	ound screen	QUAR	Z SAND
			Depth of bottom o	f well screen		<u>25.0</u> ft
			<u> </u>			
		L3	Bottom of Silt trap)		ft
L	25.0 FT	T [Depth of bottom o	f borehole		ft
(Botto (Numbers refer to de	m of Exploration)			(Not to Scale)		
(inumbers refer to de	epar nom groand surface in feet)		ft i	(100 to Scale)	_	ft
Riser	Pay Length (L1) +	Length of scr	een (L2) Length of	$\frac{11}{100} = \frac{11}{100}$	Pay leng	gth
COMMENTS:						

HALE ALDR	Y & . ICH				T	EST	BORING RE	PORT					Pag	B	orii 50:	vg NG 1-A	D.		
PROJECI LOCATIO CLIENT	- N	COOPERV 711 NORTI COOPERV	ISION HRC H ROAD, SC ISION, INC.	INJECTION COTTSVILLI	E, NEW YOI	RK			H&A FILE NO. PROJECT MGR. FIELD REP.		706 V. I N. 0	65-0 DICK CASI	5-006 ICK ASE /2001						
	CTOR	NOTHNAC S. LORAN	ĴLE DRILLΙ ΓΥ	NG					DATE STARTED		9/19 9/19	9/200 9/200)1)1						
Elevation		ft.	Datum		Boring	Location				_									
ltem Type		Casing Augers	Samp SS	ler Core Ba	arrel Rig Ma	ke & Mod	el] Tripod [✓ Cat-Head	Hammer Type Safety	Dril	Ber	Mud ntonit	е	Ту	casin pe M	g Adv ethod	onc Dep	e pth	
Inside Diar Hammer W	neter (in.)	4-1/4	2-3/3	8			Geoprobe	Winch Roller Bit	Doughnut Automatic		Poly	ymer							
Hammer Fa	all (in.)		30			d		Cutting Head	Drilling Notes:	Gravel Sand				-					
Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	FID (ppm)	Stratum Change (ft.)	USCS Symbol	Visual-N (density/consistency, col structure, odor, moi	Ianual Identification & De or, GROUP NAME & SYMBO sture, optional descriptions, gr	escription L, maximum particle size ¹ eologic interpretation)	% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy Toughness	Plasticity a	Strength Strength	
- 0 -	2 3	6/18	0.5	ND	0.5		Loose brown sandy SILT	ASPHALT with some gravel, damp. FILL											
	5 5 3	7/24	2.0 4.0	ND			Same.												
5	5 8 3 5	6/24	4.0	ND			Loose, brown sandy SILT												
	5 16 11 25 20	16/24	6.0 8.0	0.2	6.0		Dense brown sandy SILT	trace coarse sand, dry.			-			_					
10	30 41 24 51 59	23/24	8.0 10.0	1.6			Same as above with grave 9.3 to 9.4 ft.	l, lens from 8.8 to 8.9 ft. and											
10	36 16 58 122/6	12/18	10.0 11.5	1.1			Same as above.												
	34 100/5"	11/11	12.0	1.2			Same as above.												
- 15 -	36 100/6"		15.0	0.2			Same as above, fine sand	lens from 14.6 to 14.8 ft.											
	20 58 55 56	24/24	16.0 18.0	0.7			Same as above.												
_ 20 _	8 35 46 59	24/24	18.0 20.0	ND			Same as above.									_			
							Notes:	End of Exploration at 20.0 f	i.										
							1. This boring was comp MW-501 was drilled and were not collected. This I Approximately 2 ft. from	eted in association with MW constructed, split spoon samp poring was completed at a late MW-501.	-501. When oles er date.										
							2. All samples field scree	ned with a FID.											
┝ -												\square				\mp			
		Water L	evel Data	anth in feat	to:		Sample ID	Well Diagram			Su	imma	ary					<u> </u>	
Date	Time	Elapsed Time (hr.)	Do Bottom of Casing	Bottom of Hole	Water	O T U e	Open End Rod Thin Wall Tube Undisturbed Sample	Kiser Pipe Kiser Pipe Screen Filter Sand Cuttings Crout	Overburden (Line Rock Cored (Line Number of Sampl	ar ft.) ar ft.) es		20.0 						- -	
		<u> </u>				G	Geoprobe	△▼ Concrete	BORING NO.				50)1-A					
Field	Tests	Dilatancy: Toughness	R - Ra E - Low *NO	pid S - Slo v M - Mediu TE: Maximun	w N - None Im H - High n Particle Siz	e n ze is dete	Plasticity: Dry Strength: N	N - Nonplastic L - - None L - Low M - M vation within the limitatio	Low M - Medium H eduim H - High V ons of sampler size.	H - Hig - Very	gh [,] Hig	h							

HALE ALDR	Y & ICH				Т	EST	BORING R	EPORT					Pao	BC	DRIN 502	G NC	D.	2
PROJECT LOCATIO	r N	COOPERV 711 NORT	'ISION HRC H ROAD, SO	INJECTION COTTSVILLI	E, NEW YO	RK			H&A FILE NO. PROJECT MGR.		706 V. I	665-0 DICI	<u>гау</u>)06 К		1	01		2
CLIENT CONTRA	CTOR	COOPERV NOTHNAC	'ISION, INC. GLE DRILLI	NG					FIELD REP. DATE STARTED		N. 0 9/20	CAS 0/200	E 01					
DRILLER Elevation		S. LORAN'	TY Datum		Boring	Location			DATE FINISHED		9/2	0/200	01					
Item		Casing	Samp	ler Core Ba	arrel Rig Ma	ke & Mod	el Tripod		Hammer Type	Dri	lling	Mud	1	C	asing	J Adva	anc	e
Type Inside Diar	neter (in.)	Augers 4-1/4	2-3/	8		ICK	Geoprobe	 ✓ Cat-Head Winch 	J Safety✓ Doughnut		Pol	ymer	r r	Typ	De Me	tnoa	Dep	λ
Hammer W Hammer Fa	/eight (lb.) all (in.)		140 30)	Tra	ick [d [Air Track	Roller Bit Cutting Head	Automatic Drilling Notes:	\checkmark	Nor	ne						
Depth (ft.)	Sampler Blows per 6 in.	Sample No. & Recovery (in.)	Sample Depth (ft.)	FID (ppm)	Stratum Change (ft.)	USCS Symbol	Visua (density/consistency, structure, odor,	I-Manual Identification & color, GROUP NAME & SYME moisture, optional description:	Description 30L, maximum particle size s, geologic interpretatio	,* % Coarse D	% Fine	% Coarse	% Medium 8	% Fine	% Fines Dilatancv	Field Ssaudbuck	Plasticity aL	Strength 15
- 0 -	4 5	6/18	0.0 2.0				Loose brown SILT, da	np, rootlets. TOPSOIL										
	4 3 3		2.0	ND	2.0		Loose brown sandy SI	T, trace coarse sand and grav	/el, damp.		-	<u> </u>		_				-
	3 16 8	7/24	4.0	ND	4.0		Red gravel in bottom o	f spoon.										-
- 5 -	2 3 3	6/24	4.0 6.0	ND			Loose brown silty SAN	D, trace coarse sand, wet.										
	5 6 10	16/24	6.0 8.0		6.0		Dense brown sandy SI		_	-	<u> </u>			-		-	_	
	23 28 3		8.0	ND			Same as above, with in	creasing density with depth.										
10	7 21 43	23/24	10.0	1.3														
10	10 28 25	12/18	10.0 12.0	ND			Same as above.											
	19 15 52 64	11/11	12.0 14.0	22.9			Same as above with gr and green-gray limesto	ay limestone rock from 12.5 to ne rock from 13.2 to 13.4 ft.	o 13.0 ft.									-
- 15 -	82 28 60 88	12/12	14.0 16.0	0.7			Same as above with gr	ay limestone rock from 15.0 t	o 15.2 ft.									-
	100/1 40 45 38	24/24	16.0 18.0	2.1			Same as above, slightly	highr sand composition.										
20	25 3 6 25 44	24/24	18.0 20.0	12.1	18.5 19.0 19.6		Same as above. Loose brown sandy SI Medium dense silty SA Dense brown sandy SI	T, trace coarse sand, wet. ND with trace coarse sand, d LT, trace coarse sand, damp.	amp.									
20	20 53 40		20.0 22.0	7.8			Same as above.											-
	40 15 40 28		22.0 24.0	19.8			Same as above with fir and a fine sand lens fro	te to mdium sand lens from 22 om 23.7 to 23.8 ft.	2.6 to 23.1 ft.									
	28 10 13 23		24.0 26.0	4.0			Same as above.											
	100/3 48 44 30 27		26.0 28.0	6.4	26.5 27.0	 	Same as above. Dense brown fine to m Same as 24.0 to 26.0 ft	edium SAND, trace coarse sa	nd & silt, wet.									
	18 31 35		28.0 30.0	7.4			Same as above.											
	43	Water L	evel Data		29.7		Dense brown silty fine Sample ID	SAND, trace coarse sand, dat Well Diagram	mp.	_	Su	Imma	ary					
Date	Time	Elapsed Time (hr.)	Bottom of Casing	epth in feet Bottom of Hole	to: Water	O T U S	Open End Rod Thin Wall Tube Undisturbed Sample Split Spoon Sample	Riser Pipe Screen Filter Sand Cuttings Grout	Overburden (Line Rock Cored (Line Number of Samp	ear ft.) ear ft.) les	_	20.0)					-
Eiole	1 Tests	Dilatanov	R _ Dr	bid S - Slo	W N-Non	G	Geoprobe	Concrete Sentonite Sea	BORING NO.	H - Hir	h		5	02-A				
		Toughness	s: L - Lov *NO NOTE: Soi	M - Mediu TE: Maximum	Im H - Hig n Particle Si	r n ze is dete n visual-m	Dry Strength: rmined by direct obs	N - None L - Low M - servation within the limita	Meduim H - High V ations of sampler size.	- Very	/ Hig	h						

LIAIT	V P_											В	OR	NG	NO.		٦
ALDR	Y & ICH				т	FST	BORING REPORT						50	2	٨		
1 LEDIX					•								30	' Z -,	A		_
						1		0			Pac	ae	2		of	2	
	Sampler	Sample	0		Stratum	11000	Visual-Manual Identification & Description	Gra	vei		Sanc	1	-		eia	lest	-
Depth (ft.)	Blows per 6	NO. & Recoverv	Depth (ft.)	FID (ppm)	Change	Symbol	(density/consistency, color, GROUP NAME & SYMBOL, maximum particle size*,	arse	0	arse	dium	a a	Se	S	ness	ţ.	-
	in.	(in.)			(ft.)		structure, odor, moisture, optional descriptions, geologic interpretatio	Coa	Fine	Coe	Med	Fine	Fine	ilatar	4bnc	astic	,
								%	%	%	%	%	%		Ĕ	a v	4
- 30 -	18		30.0				Vary dance brown candy SILT, trace coarse cand, down								—	—	_
	55	24/24	32.0	0.3			Grav limestone pieces from 30.0 to 30.4 ft.								_	_	-
	37																
	66																
	25		32.0				Same as above, but less dense and slightly sander.								_		_
	67	15/15	34.0	1.9			Gray limestone fragments from 33.3 to 33.4 ft.								_		-
	100/3**														—	_	-
	39		34.0				Dense brown silty fine SAND, trace coarse sand, damp.									_	-
35	52	19/19	36.0	0.4													_
_ 33 _	56																
	100/2"																_
							End of Exploration at 36.0 ft.							-	+	+	_
							Notes:			_	_				+	+	-
							1. This boring was completed in association with MW-502.										
							It was completed 2 ft. south of MW-502.								_		_
															-		-
- 40 -																	
																	_
															_		-
																—	-
															_		_
- 45 -																—	-
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- 50 -															—		-
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60 -																	
														_	+	+	_
														-	+	+	_
1																-	_



APPENDIX B

GROUNDWATER SAMPLING RECORDS

HALEV &-	
ALDRICH	
ALDIACH	l

GROUNDWATER SAMPLING RECORD

Set 1 of 3

						Pa	ige 1 of 2
PROJ	ECT Coopervision GW	Sampling			H&A FILE	NO. <u>70665-006</u>	
CLIE	NT Coopervision				FROJECT N FIELD REP	S. Amrozowi	cz, A. Baudo
CONT	TRACTOR none				DATE	7/18/01, 7/	19/01
		GR	ROUNDWATER SA	MPLING INFORM	IATION		
Well N	0.	MW-204	MW-203	OW-304	MW-402	MW-202	MW-2
Water I	Depth (feet)	6.98	4.40	4.66	3.14	6.98	6.68
Time (h	h:mm)	7:30	12:35	14:00	9:10	10:35	7:40
Product		N/A	N/A	N/A	N/A	N/A	N/A
Depth (Of Well (feet)	19.56	19.52	13.66	43.28	18.96	11.00
Inside I	Diameter (inches)	2.0	2.0	1.0	2.0	2.0	1.0
Conver	sion factor	0.17	0.17	0.08	0.17	0.17	0.08
Standin	g Water Depth (feet)	12.58	15.12	9.00	40.14	11.98	4.32
Volume	e Of Water In Well (Gal)	2.14	2.57	0.72	6.82	2.04	0.35
Purging	Device	Watera Pump & disp. Tubing					
Volume	e of Bailer/Pump Capacity	N/A	N/A	N/A	N/A	N/A	N/A
Cleanin	g Procedure	N/A	N/A	N/A	N/A	N/A	N/A
Bails R	emoved/ Volume Removed (Gal)	3.50	3.50	4.00	5.00	2.50	0.75
Time P	urging Started (hh:mm)	8:00	12:50	14:10	9:25	10:55	8:00
Time P	urging Stopped (hh:mm)	8:35	13:30	14:35	10:15	11:35	8:45
Samplir	ng Device	disp. Bailer					
Cleanin	g Procedure	N/A	N/A	N/A	N/A	N/A	N/A
	VOA (Time sampled)	8:45	13:45	14:55	10:35	11:45	9:15
14							
s							
ample							
S							
	Color	clear	cloudy	light brown	clear	clear	silty
	Odor	none	none	none	none	none	none
ers	CO ₂ (mg/L)	50.0	25.0	85.0	54.4	11.0	N/A
amet	Alkalinity (mg/L)	180	280	520	140	100	240
Par	Fe ²⁺ (mg/L)	1.1	0.0	0.0	1.6	0.0	0.0 *
	DO (mg/L)	1.80	1.53	2.18	0.71	2.14	1.41
	ReDox (mg/L)	-54	-5	40	-110	-12	122
Remark	s: (ie: field filtrations, persons con	mmunicated with at site,	etc.)			I	L
* Fet	est performed next day gave rea	ding of 0.0 mg/L					

Conversions:

1.25'' = 0.08

2'' = 0.17

3'' = 0.38

4'' = 0.667

6'' = 1.50

8'' = 2.60

HALEY &

PROJECT

CLIENT

LOCATION

CONTRACTOR

GROUNDWATER SAMPLING RECORD

2 of 2 Page 70665-006 H&A FILE NO. PROJECT MGR. V. Dick S. Amrozowicz, A. Baudo 7/18/01, 7/19/01 DATE GROUNDWATER SAMPLING INFORMATION

Set

1 of 3

Well No.		1.111				M	W-204						
Time	8:00	8:01	8:06	8:12	8:17	8:20	8:25	8:31	8:35				Next Day
рН	7.37	7.40	7.46	7.51	7.51	7.52	7.51	7.51	7.50				
Conductivity	1.74	1.60	1.62	1.43	1.36	1.31	1.32	1.36	1.38				
Temp, ⁰ C	17.1	17.0	17.6	17.0	16.2	16.2	16.5	17.0	17.6		-		
Redox	-6	-39	-70	-68	-62	-59	-55	-54	-54				
DO	0.00	6.46	1.62	2.54	0.62	0.38	1.27	1.66	1.80				3.43
Well No.						М	W-402						
Time	9:26	9:40	9:45	9:46	9:57	10:05	10:10	10:15			1	I	1
рН	7.95	7.83	7.72	7.64	7.63	7.60	7.59	7.59					
Conductivity	1.82	1.90	1.91	1.84	1.81	1.84	1.80	1.80					
Temp, ⁰ C	17.6	16.9	17.1	16.4	15.3	16.2	15.0	14.8					
Redox	-118	-116	-114	-114	-118	-117	-113	-110					
DO	1.94	0.72	0.87	0.86	0.53	0.58	0.66	0.71					
Well No.						М	W-203						
Time	12:51	12:54	12:57	13:01	13:06	13:12	13:19	13:24	13:27				
рН	8.13	8.18	8.16	8.17	8.16	8.17	8.15	8.15	8.15				
Conductivity	0.42	0.01	0.17	0.42	0.41	0.23	0.40	0.41	0.40				
Temp, ⁰ C	20.5	20.7	21.2	20.1	19.5	19.4	1838.0	19.6	17.8				
Redox	-6	-9	-10	-13	-14	-12	-7	-6	-5				-
DO	2.29	1.85	1.68	1.76	1.58	1.70	1.85	1.68	1.53			_	
Well No.						0	W-304						
Time	13:15	13:16	13:17	13:18	13:20	13:25	13:29	13:33					Next Day
рН	7.83	7.84	7.81	7.78	7.77	7.75	7.73	7.71					
Conductivity	1.34	1.01	1.16	1.45	1.44	1.40	1.40	1.43					
Temp, ⁰ C						1.10	1.40				- Andrew Street and Street	1	
Redox	23.0	23.0	22.7	22.2	22.2	22.2	22.1	22.7					
	23.0	23.0 19	22.7 21	22.2 26	22.2 28	22.2	22.1	22.7 40					
DO	23.0 15 2.97	23.0 19 3.25	22.7 21 3.55	22.2 26 3.41	22.2 28 3.31	22.2 34 2.51	22.1 38 2.26	22.7 40 2.18					2.25
DO Well No.	23.0 15 2.97	23.0 19 3.25	22.7 21 3.55	22.2 26 3.41	22.2 28 3.31	22.2 34 2.51	22.1 38 2.26 W-202	22.7 40 2.18					2.25
DO Well No. Time	23.0 15 2.97 11:00	23.0 19 3.25 11:02	22.7 21 3.55 11:05	22.2 26 3.41 11:09	22.2 28 3.31 11:14	22.2 34 2.51 M	22.1 38 2.26 W-202 11:26	22.7 40 2.18 11:32					2.25
DO Well No. Time pH	23.0 15 2.97 11:00 7.89	23.0 19 3.25 11:02 7.92	22.7 21 3.55 11:05 7.93	22.2 26 3.41 11:09 7.94	22.2 28 3.31 11:14 7.93	22.2 34 2.51 M 11:20 7.92	22.1 38 2.26 W-202 11:26 7.90	22.7 40 2.18 11:32 7.88					2.25
DO Well No. Time pH Conductivity	23.0 15 2.97 11:00 7.89 1.55	23.0 19 3.25 11:02 7.92 1.48	22.7 21 3.55 11:05 7.93 1.43	22.2 26 3.41 11:09 7.94 1.40	22.2 28 3.31 11:14 7.93 1.43	22.2 34 2.51 M 11:20 7.92 1.36	22.1 38 2.26 W-202 11:26 7.90 1.34	22.7 40 2.18 11:32 7.88 1.30					2.25
DO Well No. Time pH Conductivity Temp, ⁰ C	23.0 15 2.97 11:00 7.89 1.55 18.7	23.0 19 3.25 11:02 7.92 1.48 18.7	22.7 21 3.55 7.93 1.43 17.9	22.2 26 3.41 11:09 7.94 1.40 16.5	22.2 28 3.31 11:14 7.93 1.43 17.0	22.2 34 2.51 11:20 7.92 1.36 17,4	22.1 38 2.26 W-202 11:26 7.90 1.34 17.3	22.7 40 2.18 11:32 7.88 1.30 17.7					2.25
DO Well No. Time pH Conductivity Temp, ^o C Redox	23.0 15 2.97 11:00 7.89 1.55 18.7 -42	23.0 19 3.25 11:02 7.92 1.48 18.7 -41	22.7 21 3.55 11:05 7.93 1.43 17.9 -40	22.2 26 3.41 11:09 7.94 1.40 16.5 -31	22.2 28 3.31 11:14 7.93 1.43 17.0 -27	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18	1.40 22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14	22.7 40 2.18 11:32 7.88 1.30 17.7 -12					2.25
DO Well No. Time pH Conductivity Temp, ⁹ C Redox DO	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16	22.7 21 3.55 11:05 7.93 1.43 17.9 -40 1.66	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21	22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14					2.25
DO Well No. Time pH Conductivity Temp, [®] C Redox DO Well No.	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16	22.7 21 3.55 7.93 1.43 17.9 -40 1.66	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21	22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14					2.25
DO Well No. Time pH Conductivity Temp, ^o C Redox DO Well No. Time	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71 8:05	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16 8:07	22.7 21 3.55 7.93 1.43 17.9 -40 1.66 8:10	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75 8:12	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75 8:14	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21 8:16	22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2 8:25	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14 8:30	8:33	8:37	8:40	8:43	2.25
DO Well No. Time pH Conductivity Temp, [®] C Redox DO Well No. Time pH	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71 8:05 7.98	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16 8:07 7.98	22.7 21 3.55 7.93 1.43 17.9 -40 1.66 8:10 7.93	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75 8:12 8:12 7.89	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75 8:14 7.85	22.2 34 2.51 M 11:20 7.92 1.36 17,4 -18 2.21 K:16 7.82	22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2 8:25 7.74	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14 8:30 7.76	8:33 7.75	8:37 7.75	8:40	8:43	2.25
DO Well No. Time pH Conductivity Temp, °C Redox DO Well No. Time pH Conductivity	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71 8:05 7.98 N/A	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16 8:07 7.98 0.06	22.7 21 3.55 7.93 1.43 17.9 -40 1.66 8:10 7.93 0.03	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75 8:12 7.89 0.08	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75 8:14 7.85 0.75	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21 8:16 7.82 0.75	1.40 22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2 8:25 7.74 0.60	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14 8:30 7.76 0.68	8:33 7.75 0.70	8:37 7.75 0.71	8:40 7.78 0.73	8:43 7.78 0.7	2.25
DO Well No. Time pH Conductivity Temp, [®] C Redox DO Well No. Time pH Conductivity Temp, [®] C	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71 8:05 7.98 N/A 22.0	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16 8:07 7.98 0.06 21.1	22.7 21 3.55 7.93 1.43 17.9 -40 1.66 8:10 7.93 0.03 20.9	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75 8:12 7.89 0.08 20.8	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75 8:14 7.85 0.75 20.8	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21 8:16 7.82 0.75 20.7	1.40 22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2 8:25 7.74 0.60 20.9	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14 8:30 7.76 0.68 20.8	8:33 7.75 0.70 20.6	8:37 7.75 0.71 20.6	8:40 7.78 0.73 20.6	8:43 7.78 0.7 20.4	2.25
DO Well No. Time pH Conductivity Temp, [®] C Redox DO Well No. Time pH Conductivity Temp, [®] C Redox	23.0 15 2.97 11:00 7.89 1.55 18.7 -42 2.71 8:05 7.98 N/A 22.0 103	23.0 19 3.25 11:02 7.92 1.48 18.7 -41 2.16 8:07 7.98 0.06 21.1 105	22.7 21 3.55 7.93 1.43 17.9 -40 1.66 8:10 7.93 0.03 20.9 105	22.2 26 3.41 11:09 7.94 1.40 16.5 -31 1.75 8:12 7.89 0.08 20.8 108	22.2 28 3.31 11:14 7.93 1.43 17.0 -27 1.75 8:14 7.85 0.75 20.8 109	22.2 34 2.51 M 11:20 7.92 1.36 17.4 -18 2.21 8:16 7.82 0.75 20.7 111	1.40 22.1 38 2.26 W-202 11:26 7.90 1.34 17.3 -14 2.17 MW-2 8:25 7.74 0.60 20.9 119	22.7 40 2.18 11:32 7.88 1.30 17.7 -12 2.14 8:30 7.76 0.68 20.8 120	8:33 7.75 0.70 20.6 120	8:37 7.75 0.71 20.6 121	8:40 7.78 0.73 20.6 121	8:43 7.78 0.7 20.4 122	2.25

Coopervision GW Sampling

Scottsville, NY

Coopervision

none

FIELD REP

HALEY &	
ALDRICH	

Coopervision GW Sampling

Scottsville, NY

PROJECT

LOCATION

GROUNDWATER SAMPLING RECORD

			Set	2	of	3				
RECO	RI)	Page	1	of	2				
H&A FILE N	ю.	70665-006								
PROJECT M	GR.	V. Dick								
FIELD REP		S. Amrozowicz, A. Baudo								
DATE		7/19/01	, 7/23/0)1, 7/	24/01	1				
N						li n				
WD-302	0	WS-30	2	MV	V-50)2				
4.42		4.18		2	4.86	Π				
14:00		14:25		10:25						
N/A		N/A		1	N/A					
32.7		13.6		3	3.06					
				-						

CLIE	NT Coopervision				FIELD REP	S. Amrozowi	cz, A. Baudo
CONT	TRACTOR none	G	ROUNDWATER SA	MPLING INFORM	JATE ATION	//19/01, //.	25/01, 7/24/01
Well N	0.	MW-403	MW-205	MW-501	OWD-302	OWS-302	MW-502
Water I	Depth (feet)	9.04	4.48	13.72	4.42	4.18	24.86
Time (ł	nh:mm)	9:40	15:35	12:30	14:00	14:25	10:25
Product	1	N/A	N/A	N/A	N/A	N/A	N/A
Depth (Of Well (feet)	44.0	27.7	19.72	32.7	13.6	33.06
Inside I	Diameter (inches)	2.0	2.0	1.5	1.25	1.25	1.5
Conver	sion factor	0.17	0.17	0.1	0.08	0.08	0.10
Standing Water Depth (feet)		34.94	23.22	6.00	28.28	9.38	8.20
Volume	e Of Water In Well (Gal)	5.94	3.95	0.60	. 2.26	0.75	0.82
Purging	g Device	Watera Pump & disp. Tubing	Watera Pump & disp.	Watera Pump & disp.	Watera Pump & disp. Tubing	Watera Pump & disp. Tubing	Watera Pump & dis Tubing
Volume	e of Bailer/Pump Capacity	N/A	N/A	N/A	N/A	N/A	N/A
Cleanin	ng Procedure	N/A	N/A	N/A	N/A	N/A	N/A
Bails R	emoved/ Volume Removed (Gal)	8.00	4.00	1.00	2.00	<.5	~0.75
Time P	urging Started (hh:mm)	9:45	15:45	12:50	14:00	14:30	10:30
Fime P	urging Stopped (hh:mm)	10:30	16:35	13:06	Dry at 14:20	Dry at 14:40	Dry at 10:45
Sampling Device		disp. Bailer	disp. Bailer	disp. Bailer	disp. Bailer	disp. Bailer	disp. Bailer
Cleanin	g Procedure	N/A	N/A	N/A	N/A	N/A	N/A
	VOA (Time sampled)	10:45	17:30	14:30	16:00	16:00	11:15
Samples							
	C.1	alar	alaar	eilty	candu	sandy	
	Color		rotton	sitty	sandy	rottan	silty
	Odor	22.0	rotten	21.0	20.8	Nataranakaratar	none
neters	CO ₂ (mg/L)	.33.0	182.0	34.0	20.8	Not chough water	27.2
aran	Alkalinity (mg/L)	100	500	920	120	040	120
P	Fe ^{**} (mg/L)	0.6	0.2 **	0.0	0.0	0.0	0
	DO (mg/L)	0.70	1.26	0.30			4.14 *
	ReDox (mg/L)	-70	-58	-280			-241
* Hig * Fe	s. (ce: neur nurations, persons coi h DO in well MW-502 because of test on well MW-205 was 0.0 m	g/L the next day.	all volume of water in	well mixing with air in	the waterra tubing		
Conver	sions: 1.25'' = 0.08	2'' = 0.17	3" = 0.38 4" =	0.667 6'' =	1.50 8'' = 2.60		

HALEY &

DO

3.00

2.90

3.30

4.14

Set 2 of 3

GROUNDWATER SAMPLING RECORD 2 Page 2 of PROJECT Coopervision GW Sampling H&A FILE NO. 70665-006 LOCATION Scottsville, NY PROJECT MGR. v. Dick CLIENT FIELD REP S. Amrozowicz, A. Baudo Coopervision 19-Jul-01 CONTRACTOR none DATE **GROUNDWATER SAMPLING INFORMATION MW-403** Well No. Time 9:45 9:47 9:49 9:52 9:54 10:00 10:08 10:12 10:17 10:21 10:24 10:30 Next Day pH 7.87 7.85 7.79 7.71 7.68 7.61 7.61 7.61 7.61 7.6 7.6 7.59 Conductivity 1.54 1.52 1.51 1.52 1.51 1.51 1.50 1.16 1.5 1.4 1.49 1.49 Temp, ⁰ C 19.9 17.7 17.0 17.1 16.8 17.0 16.3 16.1 16.1 16.1 15.9 15.9 Redox -31 -44 -32 -39 -53 -51 -59 -66 -70 -7 -61 -61 DO 2.83 0.99 0.44 1.21 0.88 0.74 0.60 1.05 0.96 0.70 1.44 1.28 0.83 **MW-205** Well No. Time 15:44 15:45 12:46 12:48 12:50 12:53 12:57 16:00 16:05 16:10 16:15 pН 7.96 7.89 7.70 7.58 7.47 7.41 7.33 7.30 7.28 7.29 7.29 Conductivity 2.42 2.38 2.39 2.41 2.38 2.43 2.47 2.45 2.35 2.38 2.62 Temp, ⁰ C 21.9 18.3 18.0 17.8 17.7 18.0 18.8 19.2 20.2 20.5 20.0 Redox -52.5 -51.0 -53.0 -57.0 -59.0 -60.0 -58.0 -52.0 -53.0 -54.0 -56.0 DO 0.57 1.26 0.30 1.20 0.52 0.12 0.04 0.00 0.02 0.04 0.11 Well No. **MW-501** Time 12:55 12:56 12:58 13:00 13:02 13:03 13:04 13:05 13:06 pH 7.69 7.96 8.07 8.18 8.19 8.17 8.17 8.17 8.17 Conductivity -5.00 0.12 0.15 1.52 1.52 1.56 1.58 1.60 1.61 Temp, ⁰ C 23.4 23.3 23.2 30.3 27.8 26.3 25.0 23.3 23.0 Redox -155 -183 -229 -248 -253 -266 -270 -280 DO 3.9 3.48 3.16 1.15 0.72 0.53 0.34 0.26 0.30 Well No. **OWS-302** Time DRY pH Not enough water in well to purge anything Conductivity Temp, ⁰ C Redox DO **OWD-302** Well No. Time 14:10 DRY 14:03 14:04 14:05 14:07 pH 9.21 9.69 10.25 10.54 10,64 Conductivity 1.58 1.58 1.63 1.67 1.40 Temp, ⁰ C 22.5 19.4 19.3 20.0 21.0 Redox -70 -68 -69 -68 -64 DO 2.87 1.45 2.12 3 3.54 High DO caused by mixing with air in waterra tubing as well went went dry **MW-502** Well No. Time DRY 10:38 10:40 10:41 10:43 10:45 pН 8.86 8.81 8.71 8.59 8.48 Conductivity 0.02 0.64 1.12 0.78 0.60 Temp, ⁰ C 24.0 24.2 23.7 24.0 21.3 Redox -263 -264 -269 -214 -241

High DO caused by mixing with air in waterra tubing as well went went dry

H/ AL	ALEY & G]	ROUNDW	ATEI	R SAMP	LING	RECOR	D	Set	3	of	3
PROJ	JECT Coopervision GV	W Sampling				H&A FILE NO.	70665-0	06		01	
LOCA	ATION Scottsville, NY					PROJECT MGR	V. Dick		A . D	4.	
CLIE	TRACTOR pope					FIELD REP	S. Amro	$\frac{20WICZ, 1}{01}$	A. Bau	00	
CON	TRACTOR Hone	G	ROUNDWAT	ER SAMPLING	INFORMATI	ON	17 541	01			
Well N	lo.	MW-401									
Water	Depth (feet)	8.42									
Time (hh:mm)	11:10									
Produc	ct 👘	N/A									
Depth	Of Well (feet)	46.1									
Inside	Diameter (inches)	2					9				
Conver	rsion factor	0.17									
Standir	ng Water Depth (feet)	37.64									
Volum	e Of Water In Well (gallons)	6.40									
Purgin	g Device	Watera Pump & disp. Tubing									
Volum	e of Bailer/Pump Capacity	N/A									
Cleanii	ng Procedure	N/A									
Bails R	Removed/ Volume Removed	10.00							`		
Time P	Purging Started (hh:mm)	11:26									
Time P	Purging Stopped (hh:mm)	12:19									
Sampli	ing Device	disp. Bailer									
Cleanir	ng Procedure	N/A									
	VOA (Time sampled)	12:30						1.00			
								8			
nples											
San											
										100.0	
	Color	clear									
	Odor	none									
ters	CO ₂ (mg/L)	137.4									
rame	Alkalinity (mg/L)	200									
Pai	Fe ²⁺ (mg/L)	1.8									
	DO (mg/L)	0.42									
	ReDox (mg/L)	-42.0									
Remark	ks: (ie: field filtrations, persons	communicated with at site	e, etc.)								
Conver	rsions: 1.25" = 0.08	2'' = 0.17	3'' = 0.38	4'' = 0.667	6'' = 1.50	8'' = 2.6	0				

GROUNDWATER SAMPLING RECORD

										Sur		Page	2 of 2
PROJECT	Coopervision (GW Sampling							H&A FILI	E NO.	70665-006		
LOCATION	Scottsville, NY	Y							PROJECT	MGR.	V. Dick		
CLIENT	Coopervision								FIELD RE	P	S. Amrozo	wicz, A. Baud	0
CONTRACTOR	none		CD	OUNDW	ATED C	A MOT IN	C DEOL	AATT	DATE		//19/01,	//23/01	
			GK	UUNDW	AIER S	AMPLIN	G INFUR	CMA I IC	AN .				
Well No.						M	W-401						
Time	11:26	11:28	11:30	11:32	11:38	11:43	11:47	11:53	11:59	12:09	12:14	12:19	
рН	7.45	7.42	7.39	7.34	7.33	7.34	7.33	7.31	7.28	7.26	7.25	7.25	
Conductivity	2.19	2.25	2.28	2.22	2.21	2.19	2.15	2.13	2.12	2.11	2.12	2.10	
Temp, ⁰ C	20.3	19.0	19.0	17.7	17.7	16.9	16.5	16.5	16.0	16.1	16.7	16.1	
Redox	29	29	29	24	-16	-51	-52	-45	-46	-49	-45	-42	
DO	2.37	1.77	1.59	1.27	0.70	0.63	0.64	0.36	0.40	0.24	0.37	0.42	
Well No.						MW-20)5 (RED	0)					Sales and
Time	9:40	9:42	9:44	9:47	9:51	9:56	10:01						
рН	$= -\infty$				1.22								
Conductivity											volun	ne=0.5 Gal	
Temp, ⁰ C													
Redox	117.0	115.0	109.0	101.0	98.0	97.0	95.0						
DO	4.14	4.7	4.19	3.51	3.88	3.88	4.51		DO high b/	c of low well	volume (~0.5	Gal)and agitati	.0.
Well No.		- A BALLAN				MW-40	02 (RED	0)					
Time	10:27	10:28	10:29	10:30	10:31	10:32	10:33	10:36	10:38	10:41	10:43	10:44	10:46
рН							vater						
Conductivity						-	obed v bie				volu	me=6 Gal	
Temp, ⁰ C							Grait				Fe Tes	t = 1.0 mg/L	
Redox	25.0	-41.0	-63.0	-77.0	-87.0	-95.0	-97.0	-110.0	-116.0	-122.0	-122.0	-125.0	-128.0
DO	3.86	2.62	2.55	2.42	2.38	2.33	2.26	3.33	3.23	2.88	2.87	2.54	2.51
Well No.	建香油油					MW-20	04 (RED	0)					
Time	11:16	11:18	11:19	11:20	11:22	11:24	11:26	11:28	11:30	11:32			
рН	1												
Conductivity											volum	e=1.68 Gal	
Temp, ⁹ C											Fe Test	t = 0.0 mg/L	
Redox	-118.0	-121.0	-122.0	-122.0	-120.0	-117.0	-112.0	-108.0	-103.0	-100.0			
DO	3.48	3.04	2.78	2.58	2.38	2.14	2.01	1.99	1.94	1.95			
Well No.													
Time												21	
рН													
Conductivity													
Temp, ⁰ C										5			
Redox													
DO													

3 of 3

Set

GROUNDWATER SAMPLING RECORD

									1	Page	1 of	3
PROJECT	Coopervision	Facility Invest	igation			На	&A FILE NO.		70665-00	5		
LOCATION	711 North Rd	. Scottsville Ro	l.			PF	ROJECT MGR.		Vince Dic	k		
CLIENT						FI	ELD REP		Scott Am	ozowicz	<u>.</u>	
CONTRACTOR	None					DA	ATE		Septembe	r 28, 200	1	
Well No.					MW-403	(dtw:8	.17')					
Time	9:26	9:28	9:30	9:33	9:36	9:40	9:40					
рН	7.79	7.65	7.59	7.52	7.48	7.47	7.47					
Conductivity	1.49	1.50	1.52	1.50	1.50	1.49	1.49					
Temp, ⁰ C	16.9	16.9	17.3	17.4	17.4	17.2	16.9					
ReDox (mg/L)	-16	-25	-32	-42	-47	-50	-52					
DO (mg/L)	1.72	1.57	1.03	0.65	0.55	0.52	0.51					
Well No.				1 Mary	MW-402	(dtw:7	.86')					
Time	10:05	10:09	10:12	10:14	10:17	10:19	10:20					
рН	7.61	7.61	7.61	7.61	7.62	7.62	7.63					
Conductivity	1.86	1.90	1.92	1.93	1.93	1.93	1.01					
Temp, ⁰ C	15.2	15.1	15.5	15.9	16.2	16.3	16.2					
ReDox (mg/L)	-82	-113	-122	-130	-136	-139	-141					
DO (mg/L)	2.33	0.86	0.51	0.3	0.13	0.03	0.00					
Well No.				·····································	MW-202	(dtw:5	.51')					
Time	10.33	10:35	10:37	10.39	10:40							
pH	776	7 79	7.70	7.80	7.80							
Conductivity	1.70	1.70	1.19	1.27	1.00							
Temp. ⁰ C	1.44	1.44	1.41	1.57	1.55							
ReDox (mg/L)	17.9	17.6	17.5	17.4	17.4					*****		
DO (mg/L)	-65	-70	-09	-01	-55							
Well No	0.81	0.38	0.13	0.05	NAVA 202	(dture	25')	Sec. States			- 91 - 91	
wen no.					10100-203	(01.00.5	.25)					
Time	11:10	11:13	11:15	11:16	11:19	11:22	11:25	11:26				
рН	8.09	8.05	8.02	8.02	8.00	7.99	7.97	7.95				
Conductivity	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44				
Temp, ⁰ C	18.9	18.7	18.9	19.1	19.2	19.6	19.6	19.4				
ReDox (mg/L)	-9	-20	-30	-35	-38	-36	-29	-26				
DO (mg/L)	2.95	1.99	1.37	0.98	0.57	0.42	0.42	0.44				
Well No.					MW-204	(dtw:5	.71')					
Time	12:30	12:32	12:34	12:36	12:38	12:40	12:43	12:45				
рН	8.21	7.98	7.85	7.72	7.70	7.70	7.71	7.70				-
Conductivity	1.34	1.30	1.28	1.24	1.21	1.24	1.33	1.25				
Temp, ⁰ C	18.3	18.2	18.4	18.6	18.6	18.6	18.7	18.6				
ReDox (mg/L)	1	-2	-3	-7	-11	-16	-32	-42				
DO (mg/L)	3.13	1.94	1.43	0.90	0.79	0.75	0.73	0.70				

GROUNDWATER SAMPLING RECORD

										Page	2 of 3
PROJECT	Coopervisior	Facility Inves	tigation			Н&	A FILE NO.		70665-00)6	
LOCATION	711 North Ro	l. Scottsville R	d.			PR	OJECT MGF	ι.	Vince Di	ick	
CLIENT	N					FII	TE TE		Scott An	irozowie	Z 2001
CONTRACTOR	None					DA	IE		Septemb	er 20-27,	, 2001
Well No.					MW-502	(dtw:10).80')				
Time	13:25	13:27	13:29	13:31	13:34	13:37	13:39	13:40)
рН	8.48	8.58	8.65	8.72	8.72	8.75	8.75	8.74			
Conductivity	0.96	0.97	0.98	0.98	0.98	0.99	0.99	0.98			
Temp, ⁰ C	16.2	16.5	16.7	17.0	17.0	17.1	17.0	17.0			
ReDox (mg/L)	-191	-214	-232	-245	-261	-267	-264	-262			
DO (mg/L)	2.24	1.64	1.21	0.91	0.62	0.50	0.50	0.51			1
Well No.					MW-501	(dtw:4.	.26')				
Time	13:57	13:59	14:01	14:03	14:05	14:06	14:08				
рН	8.63	8.69	8.65	8.61	8.55	8.51	8.51				
Conductivity	0.67	0.67	0.64	0.68	0.65	0.75	0.68				
Temp, ⁰ C	20.4	20.2	20.4	20.6	20.5	20.3	20.2				
ReDox (mg/L)		-161	-172	-175	-181	-200	-205				
DO (mg/L)	1.83	0.64	0.29	0.10	0.04	0.02	0.01				
Well No.	1.85	0.04	0.29	<u> </u>	WD-302	D (dtw	3.80')			Auguard &	
Time											
Time	9:15	9:16	9:18	11:25							+
рн	8.74	8.78	8.81	7.47		Switched to 1	Horiba U-22. V	Vell went dr	y and could		
Conductivity	1.34	1.34	1.34	1.65		not	collect accurat	e parameter	rs.		
Temp, " C	17.2	17.7	18.2	17.0			T		1		
ReDox (mg/L)	87	87	86	135							
DO (mg/L)	6.28	3.51	0.00	2.43				1			
Well No.				C	WD-302	-S (dtw:	2.59')				
Time	14:45	14:47					5 x 11				
рН	6.18	6.23	3	,							
Conductivity	0.48	0.52		Well went d	ry and could not parameters.	collect accurate					
Temp, ⁹ C	19.2	19.0									
ReDox (mg/L)	-49	-53									
DO (mg/L)	1.57	2.93									
Well No.					MW-401	(dtw:11	.40')				
Time	14:59	15:01	15:03	15:06	15:08	15:11	15:13	15:15			
рН	6.80	6.94	6.97	7.01	7.02	7.06	7.10	7.10			
Conductivity	2.71	2.72	2.71	2.69	2.68	2.65	2.60	2.57			
Temp, ⁰ C	17.0	16.7	16.5	16.3	16.7	16.5	16.2	16.5			
ReDox (mg/L)	-43	-37	-30	-25	-27	-38	-46	-49			
DO (mg/L)	3.45	2.38	2.08	1.46	1.09	0.46	0.21	0.48			

GROUNDWATER SAMPLING RECORD

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PROJECT	Coopervision Facility Investigation H&A FILE NO. 70665-006										
LOCATION	711 North Rd	. Scottsville Rd	•			PI	ROJECT MGR.		Vince D	ick	
CLIENT						FI	ELD REP		Scott An	nrozowicz	
CONTRACTOR	None			D	ATE		Septemb	er 27, 200	11		
Well No.					MW-205	(dtw:4	.46')				
Time	15:38	15:40	15:42	15:44	15:46	15:48					
рН	7.06	7.03	7.01	7.01	7.00	7.00					
Conductivity	3.01	3.02	3.02	3.01	3.01	3.00					
Temp, ⁰ C	17.9	18.1	18.3	18.4	18.5	18.5					
ReDox (mg/L)	-11	-21	-24	-25	-25	-26					
DO (mg/L)	7.64	0.00	0.00	0.00	0.00	0.00					
Well No.	MW-2 (dtw:6.00')										
Time	16:13	16:15	16:17								
рН	737	7,45	7.53								
Conductivity	0.98	0.98	1.01		Well went di	ry and accura colle	te parameters cou	uld not be			
Temp, ⁰ C	19.0	18.9	19.1		_	conc	citu.				
ReDox (mg/L)	19	26	29								
DO (mg/L)	8 40	9.51	9.69								
Well No.		7101	2102								
Time											1
рН											
Conductivity					-						
Town ⁰ C					-						
PaDau (ma/L)							-				
DO (mg/L)											
Well No		in restaurt									
Time					-						
рн											
Conductivity					-						
Temp, " C											
ReDox (mg/L)											
DO (mg/L)											
Well No.											
Time											
рН											
Conductivity											
Temp, ⁰ C											
ReDox (mg/L)											
DO (mg/L)				van die eerste de bernen in 1948							

PROJE	CT Coopervision GW	/ Sampling	Quarter 2		H&A FILE	NO. 70665-006	5
LOCA7	ION Scottsville, NY				PROJECT N	AGR. Vince Dick	
CLIEN'	Coopervision	grees suppy Ian 29 w	as 40 degrees and clou	dy	FIELD REP	S. Amrozowie Jan-28 29-1	zz, G. White
WEAT	IER Jan-28 was 50 deg	CDOUND		MDI INC. IN	FORMATIC	<u>Jan-20,2)-2</u>	1002
Well No.		MW-202	MW-203	MW_204	MW-205	MW-2	OW-304
Well Inte	arity	OK	OK	1 screw missing	OK	OK (1' stickup)	ОК ОК
Water De	soth (feet)	7.12	3.52	6.45	4.75	5.80	3.08
Denth Of	Well (feet)	18.90	19.45	19.44	27.54	11.00	13.10
Inside Di	ameter (inches)	2.00	2,00	2.00	2.00	1.25	1.25
Conversi	on factor	0.17	0.17	0.17	0.17	0.08	0.08
Standing	Water Denth (feet)	11.78	15.93	12.99	22.79	5.20	10.02
Volume (of Water In Well (gallons)	2.00	2.71	2.21	3.87	0.42	0.80
Purging I	Device	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing
Volume	of Bailer/Pump Capacity	N/A	N/A	N/A	N/A	N/A	N/A
Cleaning	Procedure	N/A	N/A	N/A	N/A	N/A	N/A
Volume I	Removed (est. gallons)	1.1	1.1	0.9	2.5	1.2	0.8
Time Pur	ging Started (hh:mm)	12:30	8:20	10:50	11:55	13:45	9:00
Time Pur	ging Stopped (hh:mm)	12:40	8:30	10:55	12:00	14:00	9:10
Sampling	Device	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing	Waterra tubing
Cleaning	Procedure	N/A	N/A	N/A	N/A	N/A	N/A
	Time	12:45 (1/28)	8:45 (1/29)	11:00 (1/28)	12:00 (1/29)	14:00 (1/28)	9:20 (1/29)
-20	MNA parameters						
ampling	Dissolved Gases				X		
Ň	Metabolic Acids				X		
	Temp	12.8	10.7	12.9	15.6	11.9	8.0
	рН	7.67	7.59	6.88	7.19	7.55	7.48
neters	Conductivity	1.28	0.30	1.49	2.31	0.36	1.47
aran	ReDOX	54	173	51	-88	108	181
ling l	DO (mg/L)	4.21	1.55	1.93	0.29	4.81	5.87
Samp	CO ₂ (mg/L)	45.4	62.6	64.0	140.0	60.6	77.6
02	Alkalinity	75	240	180	580	280	300
	Fe ²⁺	0.0	0.0	0.0	2.6	0.0	0.0
	COMMENTS				Septic Smell	Filtered	Filtered
Remarks:	(ie: field filtrations, persons co	ommunicated with at site,	etc.)				

HALEY ALDRIC	GROUNDW	ATER SAMPLI	NG RECORI	D	Set Page	1 2	of of		
PROJECT	Coopervision GW Sampling	Quarter 2	H&A FILE NO.	70665-006					
LOCATION	Scottsville, NY		PROJECT MGR.	Vince Die	k				
CLIENT	Coopervision		FIELD REP	S. Amroz	owicz, C	6. Wh	ite		
WEATHER	Jan-28 was 50 degrees, sunny, Jan-29 was 40	DATE	Jan-28,2	29, 30-2	2002				
	GROUNDV	VATER SAMPLING I	NFORMATION						

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Well No. **MW-501 MW-502 OWD-302D MW-401 MW-402 MW-403** Roadway box cracked OK Screw holders broke Screw holders broke Well Integrity OK OK (inside) 4.49 7.41 14.10 Water Depth (feet) 9.32 6.32 8.31 Depth Of Well (feet) 46.00 43.19 43.90 19.18** 33.99 32.8 Inside Diameter (inches) 2.0 2.0 2.0 1.5 1.5 1.25 Conversion factor 0.17 0.17 0.17 0.10 0.10 0.17 36.87 35.59 14.69 26.58 18.70 Standing Water Depth (feet) 36.68 Volume Of Water In Well (gallons) 6.24 6.27 6.05 1.47 2.66 3.18 Purging Device Waterra tubing Waterra tubing Waterra tubing Waterra tubing Waterra tubing Waterra tubing N/A N/A Volume of Bailer/Pump Capacity N/A N/A N/A N/A N/A N/A N/A N/A Cleaning Procedure N/A N/A Volume Removed (est. gallons) 1.8 1.0 2.3 3.5 0.5 0.5 Time Purging Started (hh:mm) 13:20 11:50 11:00 15:00 14:45 10:25 Time Purging Stopped (hh:mm) 13:30 11:55 11:15 15:30 14:50 10:30 Sampling Device Waterra tubing Waterra tubing Waterra tubing Waterra tubing Waterra tubing Waterra tubing N/A Cleaning Procedure N/A N/A N/A N/A N/A Time 13:40 (1/29) 12:00 (1/28) 11:15 (1/29) Not sampled 14:45 (1/28) 10:30 (1/30) **MNA** parameters Sampling **Dissolved Gases** Х Х Х Х Metabolic Acids Х Х Х X Temp 14.7 13.3 14.0 N/A 14.6 12.8 pH 7.54 7.21 7.47 N/A 7.46 7.9 Sampling Parameters 2.02 0.95 0.73 0.33 1.10 Conductivity N/A ReDOX -77 -55 28 162 -14 N/A DO (mg/L) 0.15 3 22 0.99 N/A 2.93 7.2 (oxygenated) 37.4 54.2 49.8 CO₂ (mg/L) 168.0 60.8 N/A 75 85 220 120 180 N/A Alkalinity Fe²⁺ 2.9 0.0 0.9 N/A 0.0 0.0 COMMENTS Orange stained tube Black stained tube strong solvent oder MW-501: DTB increased from 19.18 to 19.65 by waterra, silt was in the screen. Remarks: (ie: field filtrations, persons communicated with at site, etc.)

OWD-302D: DTB was increased from 31.2 to 33.2, sand pack continually filled up the screen (the screen may be broke?).

MW-501: Was not sampled because the roadway box was flooded. Even with bailing the box empty, water continued into it because the roadway box is cracked. Sampling will have to take place when the ground is not as wet.

Conversions: 1.25'' = 0.08

2'' = 0.17 3" = 0.38 4'' = 0.667 6" = 1.50 8'' = 2.60
HA AL	LEY DRIC	& G	ROUNDW	ATER	SAME	PLING	G RECORI) Set	ge	1 0 3 0	of 2
PROJ	ЕСТ	Coopervision GW	/ Sampling	Quarte	er 2		H&A FILE NO.	70665-006			
LOCA	TION	Scottsville, NY				PROJECT MGR.	. Vince Dick				
CLIEN	NT	Coopervision				FIELD REP	S. Amrozowicz, G. White				
WEAT	HER	snow and cold	CROUNDU		A MOL IN		Jan-50-2002				
			GROUNDW	ATERS	SAMPLIN	IG INFO	JRMATION				
well No	D		OWS-3025								
Well In	tegrity	<u>`</u>	Flooded								
Water L)	12.20								
Depth C			13.50								
Inside L		ncnes)	0.17							an ar a	- 1. 1
Convers	sion factor	1.00	0.17								
Standin	g Water D	epth (feet)	N/A								
volume	or water	In well (gallons)	N/A								
Purging	Device	D C C	Waterra tubing								
Volume	of Bailer	Pump Capacity	N/A								
Cleanin	g Procedu	re	N/A								
Volume	Removed	(est. gallons)	0.20								
Time Pu	irging Sta	ted (hh:mm)	10:55								
Time Pu	irging Sto	oped (hh:mm)	10:56							4	
Samplin	ng Device		Waterra tubing	,							
Cleanin	g Procedu	re	N/A								
		Time	11:00 (1/30)								
ĝ.	М	NA parameters									
ampli	D	issolved Gases	X								
o	М	etabolic Acids	x					in the second			
		Temp	N/A	,							
		рН	N/A								
meters		Conductivity	N/A								
Para		ReDOX	N/A								
oling		DO (mg/L)	N/A								
Sam		$CO_2 (mg/L)$	N/A								
		Alkalinity	580								
		Fe ²⁺	approx. 3.0								
	(COMMENTS	strong solvent oder								
Remarks OWD a	s: (ie: fiel nd OWS	d filtrations, persons c for 302 cluster: Thes	ommunicated with at site, e e appear to be reversed on t	etc.) the site map. The	ey do not agree wi	th the DTB read	d in the field.				
OWS-3	02S: DTE	ncreased from 11.4	to 13.3, sand pack in the we	ell screen. Only e	enough water to sa	mple and gathe	er some parameters after the	e well had been p	irged t	he previ	ious day.
Convers	sions:	1.25'' = 0.08	2'' = 0.17	3'' = 0.38	4'' = 0.667	6'' = 1	.50 8'' = 2.60				

HALEY & ALDRICH

GROUNDWATER SAMPLING RECORD

Set

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												Page	1 of 3
PROJECT	Coopervision (GW Sampling	5						H&A FIL	E NO. E MGR	70665-006 Vince Dick		
CLIENT	Coopervision								FIELD RI	EP	S. Amrozo	wicz, G. Wh	ite
WEATHER	Jan-28 was 50	degrees, sunn		Jan-28,29-2002									
			GROU	NDWA'	TER SA	MPLIN	G INFO	ORMA'	ΓΙΟΝ				
Well No.						M١	N-202						
Time (min.)	0.0	1.0	2.0	4.0	·	-							
рН	2.88	7.84	7.73	7.67									
Conductivity	1.29	1.28	1.28	1.28	2								
Temp, ⁰ C	12.70	12.80	12.80	12.80									
Redox	49.0	50.0	52.0	54.0									
DO	4.83	4.76	4.54	4.21									
Well No.													
Time (min.)	0.0	1.0	2.0	3.0	4.0	5.0	6.0						
рН	7.50	7.52	7.55	7.56	7.55	7.58	7.59						
Conductivity	0.35	0.35	0.19	0.36	0.35	0.32	0.30	<u></u>					
Temp, ⁰ C	10.00	9.90	10.10	10.20	10.40	10.60	10.70						3 1 1
Redox	184.0	184.0	184.0	182.0	179.0	176.0	173.0				1		
DO	2.46	2.1	2	1.86	1.75	1.47	1.55						
Well No.						M١	N-204						
Time (min.)	0.0	1.0	2.0	4.0									
рН	7.04	6.95	6.91	6.88									
Conductivity	1.56	1.52	1.49	1.49									
Temp, ⁰ C	12.90	13.00	12.90	12.90							1.1.1.1.		
Redox	81.0	71.0	56.0	51.0									
DO	2.37	2.05	1.89	1.93									
Well No.						M۱	N-205						
Time (min.)	0.0	1.0	1.5	2.0	3.0	3.5	4.0	4.5	5.0				
рН	7.84	7.72	7.51	7.45	7.39	7.30	7.27	7.25	7.19				
Conductivity	1.16	2.23	2.23	2.15	2.20	2.30	2.30	2.30	2.31				
Temp, ⁰ C	12.90	14.30	14.60	14.70	14.90	15.30	15.50	15.6	15.6				
Redox	-33.0	-57.0	-66.0	-71.0	-75.0	-81.0	-83.0	-86.0	-88.0				
DO	1.9	1.53	0.7	0.5	0.69	0.34	0.24	0.28	0.29		1		
Well No.					T.	N	IW-2						
Time (min.)	0.0	1.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0		
рН	8.30	8.16	8.08	7.91	7.86	7.81	7.74	7.68	7.65	7.60	7.55		
Conductivity	0.02	0.57	0.06	0.59	0.60	0.60	0.34	0.59	0.47	0.46	0.36		
Temp, ^o C	13.20	11.90	11.90	12.40	12.50	12.50	12.40	12	11.8	11.9	11.9		
Redox	93.0	94.0	95.0	98.0	99.0	100.0	101.0	102.0	104.0	106.0	108.0		
DO	7.28	7.3	6.59	6.56	6,18	5.8	5.52	5.2	4.8	4.56	4.81		
Well No.						OV	V-304			A CLEAN			
Time (min.)	0.0	1.0	2.0	4.0					6				
рН	7.33	7.38	7.44	7.48									
Conductivity	1.54	1.48	1.54	1.47									
Temp, " C	8.30	8.30	8.10	8.00									
Redox	182.0	181.0	181.0	181.0	-								
DO	5.00	531	5 3 2	5.87								1	

HALEY & ALDRICH

GROUNDWATER SAMPLING RECORD

Set

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Page 2 of 3 PROJECT Coopervision GW Sampling H&A FILE NO. 70665-006 LOCATION Scottsville, NY PROJECT MGR. Vince Dick CLIENT Coopervision FIELD REP S. Amrozowicz, G. White Jan-28,29-2002 Jan-28 was 50 degrees, sunny, Jan-29 was 40 degrees and cloudy WEATHER DATE **GROUNDWATER SAMPLING INFORMATION** MW-401 Well No. Time (min.) 0.0 2.0 3.0 4.0 5.0 6.0 7.0 1.0 pН 8.67 8.31 7.97 7.96 7.89 7.71 7.63 7.54 Conductivity 2.03 1.93 2.01 2.02 1.94 2.03 2.02 2.02 Temp, ⁰ C 13.1 13.9 14.0 14.0 14.2 14.5 14.6 14.7 Redox -26 -39 -64 -66 -71 -76 -78 -77 DO 4.03 2.65 1.62 0.73 0.37 0.31 0.15 0.15 MW-402 Well No. Time (min.) 0.0 1.0 2.0 4.0 5.0 pН 7.22 7.18 7.19 7.22 7.21 Conductivity 0.90 0.84 0.40 0.35 0.95 Temp, ⁰ C 12.9 13.2 13.3 13.3 13.3 Redox 11 -22 -48 -55 -55 DO 4.71 4.33 38 3.2 3.22 MW-403 Well No. Time (min.) 0.0 1.0 2.0 3.0 4.0 5.0 pН 8.19 7.92 7.85 7.62 7.48 7.47 Conductivity 0.03 1.34 0.02 1.35 1.34 0.73 Temp, ⁰ C 12.2 12.4 13.3 13.7 13.8 14.0 184.0 168.0 -10.0 -14.0 Redox 29.0 -6.0 DO 0.99 2.45 2.45 2.34 1.22 0.84 MW-501 Well No. Time (min.) N/A pH N/A Conductivity N/A Temp, ⁰ C N/A Redox N/A DO N/A MW-502 Well No. Time (min.) 0.0 1.0 3.0 2.0 pН 7.20 7.32 7.39 7.46 Conductivity 0.35 0.32 0.32 0.33 Temp, ⁰ C 13.60 14.40 14.60 14.60 Redox 54 40 31 28 DO 4.15 3.37 2.86 2.93 **OWD-302D** Well No. Time (min.) N/A pН N/A Conductivity N/A Temp, ⁰ C N/A Redox N/A DO N/A

HALEY &	
ALDRICH	1000

GROUNDWATER SAMPLING RECORD

Set	2	of	2
Dago	2		2

PROJECT	Coopervision	GW Sampling	3						H&A FIL	E NO.	70665-006		5 01 5	
CLIENT WEATHER	Coopervision									EP	S. Amrozowicz			
WEATHER	GROUNDWATER SAMPLING INFORMATION													
Well No.	OWS-302S													
Time (min.)	N/A													
рН	N/A													
Conductivity	N/A													
Temp, ⁰ C	N/A													
Redox	N/A													
DO	N/A													
Well No.														
Time (min.)														
рН				-										
Conductivity														
Temp, C														
DO											1			
Well No.														
Time (min.)	alter shirt and													
рН														
Conductivity														
Temp, ⁰ C						4								
Redox														
DO														
Well No.							Utility.							
Time (min.)														
рН														
Conductivity														
Temp, ⁰ C														
Redox														
Woll No														
Time (min.)											1			
pH														
Conductivity														
Temp, ⁰ C														
Redox														
DO														
Well No.														
Time (min.)														
рН														
Conductivity														
Temp, ⁰ C														
Redox		-							-					
DO														

HA AL	LEY & DRICH	GF	ROUNDW	ATERS	SAMPLI	NG]	RECOR	D	Set Page	1	of	2
PROJ	ECT Cooperv	vision GW S	Sampling	Quarter 2			H&A FILE NO.	70665-001	7			
LOCA	TION Scottsvi	ille, NY					PROJECT MGR	Vince Dic	k			
CLIEN	NT Cooperv	vision			FIELD REP	S. Amrozowicz						
WEAT	THER Sunny 4	5 degrees, s	slight breeze				DATE	Feb 15, 20	red 13, 2002			
			GROUNDV	VATER SA	MPLING I	NFOI	RMATION		1			
Well N	0.		MW-501	MW-3								
Well In	tegrity		Roadway box cracked (inside)	ОК								
Water I	Depth (feet)		2.80	3.83						- 1		
Depth C	Of Well (feet)		19.65	9.76							_	
Inside I	Diameter (inches)		1.5	1.0								
Conversion factor			0.10	0.05						_		
Standin	g Water Depth (feet)		16.85	5.93								
Volume	Of Water In Well (ga	allons)	1.69	0.30		1.00						
Purging	Device		Waterra tubing	Waterra tubing								
Volume	of Bailer/Pump Capa	acity	N/A	N/A								
Cleanin	g Procedure		N/A	N/A								
Volume	Removed (est. gallor	ns)	2.0	Dry @ 0.2								
Time Pu	urging Started (hh:mm	n)	9:30	9:05								
Time Pı	arging Stopped (hh:mi	m)	9:40	9:10								
Samplin	g Device	-	Waterra tubing	Waterra tubing								
Cleanin	g Procedure		N/A	N/A								
	Time		9:45	10:45								
Bu.	MNA paramo	eters										
Sampli	Dissolved Ga	ases	Х	Х								
	Metabolic A	cids	Х	Х								
	Temp		12.1	10.3								
	рН		7.45	7.15								
meters	Conductivi	ity	12.03	0.07								
Para	ReDOX		-108	116								
pling	DO (mg/L	.)	0.27	5.19								-
Sam	CO ₂ (mg/I	L)	90.0	N/A								
	Alkalinity	y	200	N/A					-	1		
	Fe ²⁺		0.2	N/A								
	COMMEN	TS	Silty	Insufficient water								
Remarks	s: (ie: field filtrations	, persons cor	nmunicated with at site,	etc.)								
Conver	sions: 1.25" =	0.08	2'' = 0.17	3'' = 0.38		6" = 1.50) 8'' = 2.6	0				
		4.17.7.			o <u>xaaaa</u>	- 1.50	5 2.0					

PROJECT LOCATION CLIENT WEATHER	Coopervision Scottsville, N Coopervision Sunny 45 degr	GW Sampling Y rees, slight bre	H&A FILE NO. PROJECT MGR. FIELD REP DATE	D. 70665-006 GR. Vince Dick S. Amrozowicz Feb 15, 2002										
	GROUNDWATER SAMPLING INFORMATION													
Well No.						MV	V-501							
Time (min.)	0	1	2	3	4	5	6	7	8					
рН	6.60	6.90	6.80	7.00	7.10	7.24	7.31	7.4	7.45					
Conductivity	13.80	13.80	12.96	12.50	12.40	12.45	12.20	12.08	12.03					
Temp, ⁰ C	11.50	11.90	11.70	11.40	11.40	11.80	11.80	12.1	12.1					
Redox	70.0	30.0	8.0	-10.0	-30.0	-60.0	-74.0	-94.0	-108.0					
DO	4.30	2.30	1.80	1.67	1.12	0.60	0.45	0.34	0.27					
Well No.						M	W-3							
Time (min.)	0	2												
рН	7.29	7.15												
Conductivity	0.07	0.07												
Temp, ⁰ C	14.00	10.30												
Redox	106.0	116.0												
DO	3.15	5.19												
Well No.														
Time (min.)														
рН														
Conductivity														
Temp, ⁰ C														
Redox														
DO		14 - C	tu											
Well No.														
Time (min.)														
рН														
Conductivity														
Temp, ⁰ C														
Redox														
DO														
Well No.														
Time (min.)														
рН														
Conductivity	-													
Temp. ⁰ C														
Dadar														
DO														
Well No.														
Time (min.)														
bH														
Conductivity														
Temp, ⁰ C														
Redox														
DO														

APPENDIX C

GROUNDWATER ANALYTICAL DATA

DATA USABILITY SUMMARY REPORT

Coopervision Facility - Scottsville, New York July and October 2001, January and February 2002 Sampling Events

Analytical Laboratory: Columbia Analytical Services, Inc.-Rochester, New York CAS Submission #R21007841; R2107899; R2107880; R2107866; R2107810; R2109133; R2210553; R2210705

Analytical results for forty-two (42) aqueous samples with Standard Laboratory Quality Control (QC) including trip blanks and method blank sample analyses. The reported analytical results have been reviewed to evaluate the data usability. Data were assessed in accordance with the New York State Department of Conservation (NYSDEC) <u>Guidance for the Development of Quality</u> <u>Assurance Plans and Data Usability Summary Reports (DUSR)</u> (September 1997) and the laboratory specific standard operating procedures criteria, where applicable. The samples were collected by Haley & Aldrich personnel at the Coopervision facility in Scottsville, New York on 20-25 July and 18 October 2001, and 28-30 January and 15 February 2002. The following items/criteria applicable to the QA/QC data and samples listed above were reviewed:

- X Blank Sample Analyses
- X Surrogate Recoveries
- X Replicate Analyses
- X Laboratory Control Sample Analyses
- X Sample Data Reporting Procedures
- X Holding Times Compliance
- X Data Qualification Procedures

The above items were in compliance with NYSDEC DUSR guidance criteria.

Blank Sample Analyses

Trip and laboratory method blank samples were prepared and analyzed concurrently with the project samples. Target compounds were not detected above the laboratory reporting limit in all the associated method, and trip blank samples. No corrective action was required.

GC/MS Instrument Performances

As presented in the submission Case Narratives, GC/MS instruments used in the analysis of project samples were tuned with bromofluorobenzene (BFB) prior to each sample analysis. The BFB tunes met the criteria prescribed by EPA Method 8260B without exception.

Initial GC/MS Instrument Calibration Procedures

GC/MS Instrument calibration procedures were consistent with the guidelines prescribed by EPA Method 8260B and the laboratory SOP, where applicable without exception. No corrective action is recommended.

Continuing Calibration Verification Procedures

The percent difference (%D) between the relative response factor (RRF) from the initial calibration for each target compound met the QC criteria prescribed by EPA Method 8260B and the laboratory SOP, where applicable without exception. No corrective action is recommended.

Surrogate Recovery

Surrogate compounds were added to each sample prior to analysis of organic parameters by EPA Methods 8260B to confirm the efficiency of the sample preparation procedures. The calculated recovery for each surrogate compound fell within method specific criteria without exception. No corrective actions are recommended.

Sample Data Reporting

The sample data are presented using a Level III laboratory reporting format including a CLP Form I equivalent and associated laboratory batch QC sample analysis results. The reporting limit values for the diluted analyses were adjusted for the level of dilution performed. The reporting format is complete and compliant with the objectives of the project, no corrective action is recommended.

Holding Time Compliance

Maximum allowable holding times measured from the time of sample collection to the time of sample preparation or analysis were met for each project sample analyzed as part of this sample delivery group. No corrective action required.

Data Qualification Procedures

Data qualifiers were assigned by the laboratory to the reported results to identify target compounds detected above the instrument calibration or when associated batch QC data fell outside of laboratory specific criteria. Review of the data qualifiers indicate that the qualification flags were applied to the reported results in accordance with the EPA National Functional Guidelines for data validation.

Summary

The results presented in each report were found to be compliant with the data quality objectives for the project and usable, without exception. G:\Projects\70665\000\DUSR032802.doc



July 2001 Baseline VOCIMUSA/Gonus

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 17, 2001

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

PROJECT: COOPERVISION #70665-006 Submission #:R2107841

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Junko SI Cross

Karen Bunker Project Manager

Enc.



1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client :	Haley & Aldrich of Nove W
Project Reference:	COOPERVISION #70665-006
Lab Submission $\#$:	R2107841
Reported :	08/17/01

Report Contains a total of 3 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.



Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-006 Submission #: R2107841

H&A collected water samples on 7/190/01 and were received at CAS on 7/20/01 unbroken, packed in ice, at a cooler temperature of 1°C.

GC/MS VOLATILE ORGANICS

Five water samples, including 1 Trip Blank were analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

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 except for location MW-2 (CAS Order # 480247) the Dibromofluoromethane recovery. The sample was repeated at a dilution to bring hits within the calibration range of the standards and all surrogates were within limits. The hits above range on the initial run are flagged as "E". Both sets of data are included within the report package.

Locations MW-205, MW-401, and OWD-302, (CAS Order # 480248, 480250, and 480251) also required dilutions. The initial sample analyses have hits for compounds outside the standard calibration curves, which have been flagged as "E". The samples were repeated at appropriate dilutions. Both sets of data are included in the report package.

The Laboratory Blanks associated with these analyses were free from contamination.

No other analytical or QC problems were encountered.

Page 2 R2107841 Continued

GC Volatile Organics

Two water samples were analyzed for Ethane, Ethene, Methane and Propane by GC method RSK-175.

All associated QC was within limits for these samples.

Samples were run within holding time for the method.

The Method Blank was free from contamination.

No problems were encountered during the analysis.

Inorganic Analyses

Two water samples were submitted for analysis for the following list of parameters: Total Alkalinity by method 310.1, Chloride by IC method 300.0, Nitrate/Nitrite by method 353.1, Nitrite by method 353.2, Nitrate by calculation, Sulfate by IC method 300.0, Total Sulfide by Method 376.1, and the ICP Metals Iron and Manganese by Method 6010B. Three water samples were analyzed for Dissolved Organic Carbon by method 415.1

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

No analytical problems were encountered.



This report contains analytical results for the following samples: Submission #: R2107841

Lab ID	<u>Client ID</u>
480177	MW-403
480178	MW-205
480179	MW-403
480180	MW-205
480181	MW-205
480182	OWD-302
480183	MW-403
480202	MW-403
480206	OWD-302
480207	MW-205
480236	MW-403
480237	MW-205
480238	MW-205
480239	MW-403
480240	MW-403
480242	MW-205
480247	MW - 2
480248	MW-205
480250	MW-401
480251	OWD - 302
480268	MW - 403
480269	TRIP BLANK 7/19



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

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

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

- N Spiked sample recovery not within control limits.
 (Flag the entire batch Inorganic analysis only)
- * Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
- Also used to qualify Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: CT ID # in Rochester: MA ID # in Rochester: AIHA # in Rochester:	10145 PH0556 M-NY032 7889	NJ ID # in Rochester: RI ID # in Rochester: NH ID # in Rochester:	73004 158 294198-A
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Reported: 08/17/01

Date Sampled : 07/19/ Date Received: 07/20/	'01 10:45 '01	Order # Submission #	: 480177 : R2107841		Sample Matı	cix: WATER	2
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL ALKALINITY	310.1	2.00	113	MG/L	07/31/01	14:45	0.0

Reported: 08/17/01

Date Sampled : 07/19/ Date Received: 07/20/	(01 17:30 (01	Order Submission	#: 480178 #: R2107841		Sample Matrix: N	VATER
ANALYTE	METHOI) PQL	RESULT	UNITS	DATE TIM ANALYZED ANALY	E YZED DILUTION
TOTAL ALKALINITY	310.1	2.00	404	MG/L	07/31/01 14:4	 ⊧5 0.0

Reported: 08/17/01

• •	Date Sampled : Date Received:	07/19/01 07/20/01	10:45	Order Submission	样: 井:	480179 R2107841		Sample Matr	tix: WATER	
	ANALYTE		METHOD	PQL		RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
•	TOTAL SULFIDE		376.1	1.00		1.00 U	MG/L	07/26/01		1.0

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-205

Date Sampled : 07/19/ Date Received: 07/20/	01 17:30 01 §	Order Submission	#: 480180 #: R2107841	·····	Sample Matrix: WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTION
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	07/26/01 14:00 1.0

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-205

Date Sampled : 0 Date Received: 0	7/19/01 17:30 7/20/01 s	Order #: ubmission #:	480181 R2107841		Sample Matr	ix: WATER	
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
DISSOLVED ORGANIC	CARBONS 415.1.	1.00	52.2	MG/L	08/13/01	17:26	10.0

Reported: 08/17/01

Date Sampled : 07/ Date Received: 07/	(19/01 15:15 20/01 Su	Order # bmission #	#: 480182 #: R2107841		Sample Matr	cix: WATER	<u>}</u>
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
DISSOLVED ORGANIC	CARBONS 415.1.	1.00	4.23	MG/L	08/13/01	16:56	1.0

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-403

Date Sampled : Date Received:	07/19/01 10:45 07/20/01	Order Submission	#: 480183 #: R2107841	······································	Sample Matr	ix: WATER	
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
DISSOLVED ORGAN	VIC CARBONS 415.1	. 1.00	1.34	MG/L	08/13/01	17:11	1.0

COLUMBIA ANALYTICAL SERVICES	VOLAT METHO Repor	ILE ORGANICS D MODIFIED RSK-17 ted: 08/17/01	5
Haley & Aldrich of New York Project Reference: COOPERVISION #706 Client Sample ID : MW-403	65-006		
Date Sampled : 07/19/01 10:45 Order #: Date Received: 07/20/01 Submission #:	480202 R2107841	Sample Matrix: Analytical Run	WATER 67640
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/31/01 ANALYTICAL DILUTION: 1.00			

ETHANE	1.0	1.0 U	UG/L
ETHYLENE	1.0	1.0 U	UG/L
METHANE	2.0	3.3	UG/L
PROPANE	1.0	1.0 U	UG/L

2000 A. A. A.

VOLATILE ORGANICS METHOD MODIFIED RSK-175

Reported: 08/17/01

Date	Sampled :	07/19/01	15:15 Order	#:	480206	Sample Matrix.	MATT
Date	Received:	07/20/01	Submission	#:	R2107841	Analytical Run	67640

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/31/01 ANALYTICAL DILUTION: 1.00			- <u>Tominé - 1938 - 1938</u>
ETHANE ETHYLENE METHANE PROPANE	1.0 1.0 2.0 1.0	15 1.3 38 5.6	UG/L UG/L UG/L UG/L

COLUMBIA ANALYTICAL SERVICES				
	VOLAT METHOI Report	ILE ORGANICS D MODIFIED RSK-17 ted: 08/17/01	75	
Haley & Aldrich of New York Project Reference: COOPERVISION #706 Client Sample ID : MW-205	65-006			
Date Sampled : 07/19/01 17:30 Order #: Date Received: 07/20/01 Submission #:	480207 R2107841	Sample Matrix: Analytical Run	WATER 67640	
ANALYTE	PQL	RESULT	UNITS	
DATE ANALYZED : 07/31/01 ANALYTICAL DILUTION: 1.00 ETHANE ETHYLENE METHANE PROPANE	1.0 1.0 2.0	10 2.9 5.0	UG/L UG/L UG/L	

•

Reported: 08/17/01

Date Sampled : 07/19/01 Date Received: 07/20/01	L 10:45	Order Submission	#: 480236 #: R2107841		Sample Matrix: WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTION
CHLORIDE NITRITE NITROGEN SULFATE	300.0 353.2 300.0	0.100 0.0100 0.200	17.3 0.0135 1010	MG/L MG/L MG/L	07/31/01 12:01 10.0 07/20/01 13:18 1.0 08/01/01 14:27 200.0

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-205

 Date Sampled : 07/19/01 17:30
 Order #: 480237
 Sample Matrix: WATER

 Date Received: 07/20/01
 Submission #: R2107841
 Sample Matrix: WATER

 ANALYTE
 METHOD PQL
 RESULT
 UNITS
 DATE TIME ANALYZED ANALYZED DILUTION

					· · · · · · · · · · · · · · · · · · ·		
CHLORIDE	300.0	0.100	750	MG/L	07/31/01	16:09	100.0
NITRITE NITROGEN	353.2	0.0100	0.0265	MG/L	07/20/01	13:18	1.0
SULFATE	300.0	0.200	96.9	MG/L	07/31/01	12:13	10.0

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-205

Date Sampled : 07/19/01 17:30 Date Received: 07/20/01		Order Submission	#: 480238 #: R2107841		Sample Matrix: WATER		
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED I	DILUTION	
NITRATE NITROGEN NITRATE/NITRITE NITROGEN	353.2 353+35	0.0500 0.0500	0.0514 0.0500 U	MG/L MG/L	07/27/01 09:23	1.0 1.0	

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Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-403

Date Sampled : 07/19/01 Date Received: 07/20/01	10:45	Order Submission	#: 480239 #: R2107841		Sample Matrix: WATER	5	
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED	DILUTION	
NITRATE NITROGEN NITRATE/NITRITE NITROGEN	353.2 1 353+35	0.0500	0.0500 U 0.0500 U	MG/L MG/L	07/27/01 09:23	1.0	

,

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-403

Date Sampled : 0' Date Received: 0'	7/19/01 10:45 7/20/01	Order Submission	#: 480240 #: R2107841		Sample Matrix:	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON MANGANESE	6010B 6010B	0.100 0.0100	10.5 0.222	MG/L MG/L	07/26/01 07/26/01	1.0 1.0

Reported: 08/17/01

Date Sampled : 07/19/01 17:30 Order #: 4 Date Received: 07/20/01 Submission #: R		#: 480242 #: R2107841	Sample Matrix: WATER			
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON MANGANESE	6010B 6010B	0.100 0.0100	21.2 0.641	MG/L MG/L	07/26/01 07/26/01	1.0 1.0

COLUMBIA ANALYTICAL SERVICES	VOLATI METHOI Report	LE ORGANICS 0 8260B TCL 2ed: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : MW-2						
Date Sampled : 07/19/01 09:45 Order # Date Received: 07/20/01 Submission #	: 480247 : R2107841	Sample Matrix: Analytical Run	WATER 68007			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/01/01 ANALYTICAL DILUTION: 1.00						
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROPTHENE TRANS-1,2-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \\ 10 \ U \\ 5.0 \ U \ 5.0 \ U $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
SURROGATE RECOVERIESQC LIN4-BROMOFLUOROBENZENE(87 -TOLUENE-D8(87 -	4ITS 111 %) 108 %)	102 100	ণ ০০			

	Repor	D 8260B TCL ted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : MW-2						
Date Sampled : 07/19/01 09:45 Order #: Date Received: 07/20/01 Submission #:	480247 R2107841	Sample Matrix: Analytical Run	WATER 68007			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 25.00						
BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE	5.0 5.0 5.0 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	130 U 130 U 130 U 130 U 250 U 250 U 130 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
VINIL CHLORIDE O-XYLENE M+P-XYLENE	5.0 5.0 5.0	130 U 130 U 130 U	UG/L UG/L UG/L			
SURROGATE RECOVERIESQC LIMI4-BROMOFLUOROBENZENE(87 - 1)TOLUENE-D8(87 - 1)	TS 	99 97	ক ক			

COLUMBIA ANALYTICAL SERVICE	<u>S</u> VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : MW-205						
Date Sampled : 07/19/01 17:30 Date Received: 07/20/01 Subm	Order #: 480248 ission #: R2107841	Sample Matrix: Analytical Run	WATER 68007			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/01/0 ANALYTICAL DILUTION: 500	1.00					
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
SURROGATE RECOVERIES	QC LIMITS					
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	99 100 97	96 90 90			

COLUMBIA ANALYTICAL SERVIC	<u>ES</u> VOLAT METHO	ILE ORGANICS D 8260B TCL				
	Repor	ted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : MW-205						
Date Sampled : 07/19/01 17:30 Date Received: 07/20/01 Subr) Order #: 480248 nission #: R2107841	Sample Matrix: Analytical Run	WATER 68007			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/02/0 ANALYTICAL DILUTION: 2000).00					
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
SURROGATE RECOVERIES	QC LIMITS					
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	103 100 98	a, a, a,			

COLUMBIA ANALYTICAL SERVICES	5 VOLATII METHOD	LE ORGANICS			
	Reporte	ed: 08/17/01			
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-401	SION #70665-006				
Date Sampled : 07/19/01 12:30 Date Received: 07/20/01 Submi	Order #: 480250 Lssion #: R2107841	Sample Matrix: Analytical Run	WATER 68007		
ANALYTE	PQL	RESULT	UNITS		
DATE ANALYZED : 08/01/01 ANALYTICAL DILUTION: 1.	00				
ACETONE BENZENE BROMODICHLOROMETHANE BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L		
SURROGATE RECOVERIES	QC LIMITS	5.0 0	1997		
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 101 103	alo alo alo		
1	COLUMBIA ANALYTICAL SERVICES	1	VOLAT METHOI Report	ILE ORGANICS D 8260B TCL ted: 08/17/01	
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\ 2 	Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-401	ION #70665	5-006		
Da Da	ate Sampled : 07/19/01 12:30 ate Received: 07/20/01 Submi	Order #: 4 ssion #: R	80250 2107841	Sample Matrix: Analytical Run	WATER 68007
7	ANALYTE		PQL	RESULT	UNITS
I Z	DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 5.	00			
BHBBE2CAAHHHHI,,,IRT-E2M4S1TT11TVOM	ENZENE ENZENE ENZENE ROMODICHLOROMETHANE ROMOFORM ROMOMETHANE BUTANONE (MEK) ARBON DISULFIDE ARBON DISULFIDE ARBON DISULFIDE ARBON DISULFIDE ARBON DISULFIDE ARBON DISULFIDE ARBON DISULFIDE HLOROBENZENE HLOROBENZENE HLOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM ILOROFORM I-DICHLOROETHANE 2-DICHLOROETHENE ANS-1,3-DICHLOROPROPENE HEXANONE THYLENE CHLORIDE METHYL-2-PENTANONE (MIBK) YRENE 1,2,2-TETRACHLOROETHANE TRACHLOROETHENE LUENE 1,1-TRICHLOROETHANE 1,2-TRICHLOROETHANE ICHLOROETHENE NYL CHLORIDE XYLENE P-XYLENE		20 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
S	URROGATE RECOVERIES	QC LIMITS	3	25 U	06/Ц
4 -1 To: DII	BROMOFLUOROBENZENE LUENE-D8 BROMOFLUOROMETHANE	(87 - 111 (87 - 108 (86 - 117	- - %) 3 %) 7 %)	101 99 98	010 010 010 010

<u>COLUMBIA ANALYTICAL SERVI</u>	CES	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/17/01	
Haley & Aldrich of New Yo: Project Reference: COOPER Client Sample ID : OWD-30:	rk VISION #70665- 2	006		
Date Sampled : 07/19/01 15: Date Received: 07/20/01 Sul	15 Order #: 48 omission #: R2	0251 107841	Sample Matrix: Analytical Run	WATER 68007
ANALYTE	· · · · · · · · · · · · · · · · · · ·	PQL	RESULT	UNITS
DATE ANALYZED : 08/01, ANALYTICAL DILUTION:	/01 1.00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE		20 5.00 5.00 1000000000000000000000000000	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS			
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 (87 - 108 (86 - 117	응) 응) 응)	102 100 103	00 00 00

COLUMBIA ANALYTICAL SERVICE	<u>:5</u>	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/17/01	
Haley & Aldrich of New York Project Reference: COOPERVI Client Sample ID : OWD-302	SION #70665	-006		
Date Sampled : 07/19/01 15:15 Date Received: 07/20/01 Subm	Order #: 4 ission #: R	80251 2107841	Sample Matrix: Analytical Run	WATER 68007
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/03/0 ANALYTICAL DILUTION: 25	1.00			<u></u>
ACETONE		20	500 II	
BENZENE		5 0		
BROMODICHLOROMETHANE		5.0		
BROMOFORM	4	5.U E A		
BROMOMETUANE		5.0	130 U	
		5.0	130 U	UG/L
Z-BOIANONE (MEK)		10	250 U	UG/L
ARBON DISULFIDE		10	250 U	UG/L
LARBON TETRACHLORIDE		5.0	130 U	UG/L
CHLOROBENZENE		5.0	130 U	UG/L
CHLOROETHANE		5.0	130 U	UG/L
CHLOROFORM		5.0	130 U	UG/L
CHLOROMETHANE		5.0	130 U	UG/L
DIBROMOCHLOROMETHANE		5.0	130 U	UG/L
L, 1-DICHLOROETHANE		5.0	3100	UG/L
L,2-DICHLOROETHANE		5.0	130 11	IIG/I
L, 1-DICHLOROETHENE		5.0	130 II	
CIS-1.2-DICHLOROETHENE		5 0	130 11	
FRANS-1, 2-DICHLOROETHENE		5.0		
2-DICHLOROPROPANE		5.0	130 0	UG/L
TS-1 3-DICHLODODODENE		5.0	130 U	UG/L Tra/T
PANS-1 3-DICHLOROPENE		5.0	130 U	UG/L
TUND I, J DICHDOROFROFENE		5.0	130 0	UG/L
		5.0	130 U	UG/L
		10	250 U	UG/L
METHILENE CHLORIDE		5.0	130 U	UG/L
E-METHYL-2-PENTANONE (MIBK)		10	250 U	UG/L
STYRENE		5.0	130 U	UG/L
, 1, 2, 2-TETRACHLOROETHANE		5.0	130 U	UG/L
ETRACHLOROETHENE		5.0	130 U	UG/L
OLUENE		5.0	130 U	UG/L
,1,1-TRICHLOROETHANE		5.0	130 U	UG/L
,1,2-TRICHLOROETHANE		5.0	130 U	UG/L
RICHLOROETHENE		5.0	130 Ū	UG/I
INYL CHLORIDE		5.0	130 11	UG/T
)-XYLENE		5.0		
I+P-XYLENE		5.0	130 U	UG/L
SURROGATE RECOVERIES	QC LIMITS			
-BROMOFLUOROBENZENE	(87 - 111	왕)	99	00
-BROMOFLUOROBENZENE OLUENE-D8	(87 - 111 (87 - 108	양) 양)	99	olo ol

COLUMBIA ANALYTICAL SERVICE:	<u>S</u> VOLATI: METHOD Reporte	LE ORGANICS 8260B TCL ed: 08/17/01	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-403	SION #70665-006		
Date Sampled : 07/19/01 10:45 Date Received: 07/20/01 Subm:	Order #: 480268 ission #: R2107841	Sample Matrix: Analytical Run	WATER 68007
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 1	1 . 00		
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
4-BROMOFLUOROBENZENE TOLUENE-D8	(87 - 111 %) (87 - 108 %)	100 100	90 90
DIBROMOFLUOROMETHANE	(86 - 117 %)	103	olo

Haley & Aldrich of New YorkProject Reference: COOPERVISION #70665-006Client Sample ID : TRIP BLANK 7/19Date Sampled : 07/19/01Order #: 480269Date Received: 07/20/01Submission #: R21078ANALYTEPQ:DATE ANALYZED : 08/02/01ANALYTICAL DILUTION: 1.00ACETONE:SENZENE5SROMODICHLOROMETHANE5ROMOFORM5BENZENE5SROMODICHLOROMETHANE5HUTANONE (MEK):ARBON DISULFIDE5HLOROBENZENE5HLOROBENZENE5HLOROFORM5SULOROFORM5SULOROFORM5ARBON DISULFIDE5HLOROBENZENE5HLOROBENZENE5SULOROFORM5 <td< th=""><th>Sample Matr: 1 Analytical 1 RESULT 0 20 U 0 5.0 U</th><th>ix: WATER Run 68007 F UNITS UG/L UG/L UG/L UG/L UG/L</th></td<>	Sample Matr: 1 Analytical 1 RESULT 0 20 U 0 5.0 U	ix: WATER Run 68007 F UNITS UG/L UG/L UG/L UG/L UG/L
Date Sampled : 07/19/01Order #: 480269Date Received: 07/20/01Submission #: R21078ANALYTEPQDATE ANALYZED : 08/02/01ANALYTICAL DILUTION: 1.00ANALYTICAL DILUTION: 1.00ACETONESENZENESROMODICHLOROMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESROMOMETHANESUBTICKSROMOMETHANESUBTICK<	Sample Matr: 1 Analytical 1 RESULT 0 20 U 0 5.0 U 0 10 U	ix: WATER Run 68007 F UNITS UG/L UG/L UG/L UG/L UG/L
ANALYTEPQ:DATE ANALYZED : 08/02/01ANALYTICAL DILUTION: 1.00ACETONESENZENESENZENESROMODICHLOROMETHANESROMOFORMSROMOFORMSROMOFORMSROMOMETHANESARDON DISULFIDE'ARBON DISULFIDE'ARBON TETRACHLORIDE'ARBON TETRACHLORIDE'HLOROBENZENE'HLOROFORM'S'HLOROMETHANE'IBROMOCHLOROMETHANE'IBROMOCHLOROMETHANE'IBROMOCHLOROMETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHANE'S'LOROETHENE'S'LOROETHENE'S'LOROETHENE'S'LOROETHENE'S'LOROETHENE'S'LOROETHENE'S'LOROETHENE'S'LOROPROPEN	RESUL 0 20 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 10 U	T UNITS UG/L UG/L UG/L UG/L UG/L
DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 1.00 ACETONE : 1.00 ACETONE : 5 BENZENE : 5 BROMODICHLOROMETHANE : 5 BROMODICHLOROMETHANE : 5 BROMOFORM : 5 BROMOMETHANE : 5 -BUTANONE (MEK) : 2 ARBON DISULFIDE : 2 ARBON TETRACHLORIDE : 5 HLOROBENZENE : 5 HLOROBENZENE : 5 HLOROFORM : 5 HLOROFORM : 5 HLOROFORM : 5 HLOROFORM : 5 HLOROMETHANE : 5 JIBROMOCHLOROMETHANE : 5 , 1-DICHLOROETHANE : 5 , 2-DICHLOROETHANE : 5 , 2-DICHLOROETHENE : 5 RANS-1, 2-DICHLOROETHENE : 5 RANS-1, 3-DICHLOROFTHENE : 5 THYLBENZENE : 5 HEXANONE : 5 HEXACHLOROETHENE : 5 HEXANONE : 5 HEXANON	0 20 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 10 U	UG/L UG/L UG/L UG/L UG/L
ACETONE:BENZENE5BROMODICHLOROMETHANE5BROMOFORM5BROMOFORM5BROMOMETHANE5-BUTANONE (MEK):'ARBON DISULFIDE:'ARBON TETRACHLORIDE5'HLOROBENZENE5'HLOROFORM5'HLOROFORM5'HLOROFORM5'ARBON CHLOROMETHANE5', 1-DICHLOROETHANE5, 2-DICHLOROETHANE5, 2-DICHLOROETHENE5'RANS-1, 2-DICHLOROETHENE5'RANS-1, 2-DICHLOROETHENE5'RANS-1, 3-DICHLOROPROPENE5'THYLBENZENE5-HEXANONE1'HEXANONE1'HYLENE CHLORIDE5'HYLENE CHLORIDE5'HYLENE5'J'R'RENE5'J'R'R'R'R'R'R'R'R'R'R'R'R'R'R'R'R'R'R'	0 20 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 10 U	UG/L UG/L UG/L UG/L UG/L
BENZENE5BROMODICHLOROMETHANE5BROMOFORM5BROMOFORM5BROMOMETHANE5BROMOMETHANE5BROMONE (MEK)5CARBON DISULFIDE5CARBON TETRACHLORIDE5CHLOROBENZENE5CHLOROBENZENE5CHLOROFORM5CHLOROFORM5CHLOROMETHANE5CHLOROMETHANE5CHLOROMETHANE5CHLOROMETHANE5CHLOROETHANE5CHLOROETHANE5CHLOROETHANE5CHLOROETHANE5CHLOROETHENE5CHLOROETHENE5CHLOROPROPANE5CHLOROPROPANE5CHLOROPROPANE5CHANS-1, 2-DICHLOROPROPENE5CHANS-1, 3-DICHLOROPROPENE5CHANS-1, 3-DICHLOROPROPENE5CHEXANONE5CHEXANONE5CHETHYLE-2-PENTANONE (MIBK)5TYRENE5, 1, 2, 2-TETRACHLOROETHANE5CHACHLOROETHENE5	0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 10 U	UG/L UG/L UG/L UG/L
BROMODICHLOROMETHANE5BROMOFORM5BROMOFORM5BROMOMETHANE5BROMOMETHANE5C-BUTANONE (MEK)1ZARBON DISULFIDE5ZARBON TETRACHLORIDE5ZARBON TETRACHLORIDE5ZHLOROBENZENE5HLOROFORM5THLOROFORM5ULOROFORM51BROMOCHLOROMETHANE51BROMOCHLOROMETHANE5, 1-DICHLOROETHANE5, 2-DICHLOROETHANE5IS-1, 2-DICHLOROETHENE5RANS-1, 2-DICHLOROETHENE5RANS-1, 3-DICHLOROPROPENE5THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5, 1, 2, 2-TETRACHLOROETHANE5ETRACHLOROFTHENE5	0 5.0 U 0 5.0 U 0 5.0 U 0 5.0 U 0 10 U	UG/L UG/L UG/L
BROMOFORM5BROMOMETHANE5BROMOMETHANE5BUTANONE (MEK)5CARBON DISULFIDE5CARBON TETRACHLORIDE5CARBON TETRACHLORIDE5CHLOROBENZENE5CHLOROFORM5CHLOROFORM5CHLOROFORM5CHLOROFORM5CHLOROFTHANE5JIBROMOCHLOROMETHANE5JIBROMOCHLOROETHANE5JICHLOROETHANE5JIS-1,2-DICHLOROETHENE5RANS-1,2-DICHLOROETHENE5RANS-1,2-DICHLOROPROPENE5RANS-1,3-DICHLOROPROPENE5THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROFTHENE5	0 5.0 U 0 5.0 U 0 10 U	UG/L UG/L
BROMOMETHANE5BROMOMETHANE5BUTANONE (MEK)1CARBON DISULFIDE5CARBON TETRACHLORIDE5CHLOROBENZENE5CHLOROBENZENE5CHLOROFORM5CHLOROFORM5CHLOROFORM5CHLOROFORM5CHLOROETHANE5CHLOROETHANE5CHLOROETHANE5CARS-1,2-DICHLOROETHENE5CRANS-1,2-DICHLOROETHENE5CRANS-1,2-DICHLOROETHENE5CRANS-1,3-DICHLOROPROPENE5CRANS-1,3-DICHLOROPROPENE5CHEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U 0 10 U	UG/L
2-BUTANONE (MEK) 2ARBON DISULFIDE CARBON TETRACHLORIDE CARBON TETRACHLORIDE CARBON TETRACHLORIDE CARBON TETRACHLORIDE CHLOROBENZENE SUBROMOETHANE SUBROMOETHANE SUBROMOETHANE (1-DICHLOROETHANE (1-DICHLOROETHANE (1-DICHLOROETHANE (1-DICHLOROETHENE SUBSECTION (1-DICHLOROETHENE SUBSECTION (1-DICHLOROETHENE SUBSECTION (1-DICHLOROPROPANE (1-DICHLOROPROPANE (1-DICHLOROPROPANE (1-DICHLOROPROPENE (1-DICHLOROP	0 10 U	
ZARBON DISULFIDEZARBON TETRACHLORIDECARBON TETRACHLORIDECARBON TETRACHLORIDECHLOROBENZENECHLOROBENZENECHLOROETHANECHLOROFORMCHLOROFORMCHLOROFORMCHLOROFORMCHLOROFORMCHLOROETHANECHLOROETHANECARBONCHLOROETHANECARS-1,2-DICHLOROETHENECHLOROPROPANECHLOROPROPANECHLOROPROPANECHLOROPROPENECHLOROPROPENECHLOROPROPENECHLOROPROPENECHLOROPROPENECHYLBENZENE-HEXANONECHLORIDECHURIDESUBTINICALOROETHENECHLOROPROPENECHLOROPROPENECHYLBENZENESUBTINICALOROPROPENECHURIDESUBTINICALOROFIDECHURIDESUBTINICALOROFIDECHLORIDESUBTINICALOROETHANECHLOROETHENESUBTINICALOROETHENESU		
CARBON TETRACHLORIDE5CARBON TETRACHLORIDE5CHLOROBENZENE5CHLOROETHANE5CHLOROFORM5CHLOROFORM5CHLOROMETHANE5CIBROMOCHLOROMETHANE5CIBROMOCHLOROETHANE5CARDON CHLOROETHANE5CARDON CHLOROETHANE5CANS-1,2-DICHLOROETHENE5CRANS-1,2-DICHLOROETHENE5CRANS-1,3-DICHLOROPROPENE5CRANS-1,3-DICHLOROPROPENE5CHYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5		
SARBON TETRACHLORTDE5CHLOROBENZENE5CHLOROETHANE5CHLOROFORM5CHLOROFORM5CHLOROMETHANE5CIBROMOCHLOROMETHANE5C, 1-DICHLOROETHANE5C, 2-DICHLOROETHANE5CIS-1, 2-DICHLOROETHENE5CRANS-1, 2-DICHLOROETHENE5CRANS-1, 2-DICHLOROETHENE5CRANS-1, 3-DICHLOROPROPENE5CRANS-1, 3-DICHLOROPROPENE5CHYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5, 1, 2, 2-TETRACHLOROETHANE5ETRACHLOROETHENE5		
SulforobenzeneSCHLOROETHANE5CHLOROFORM5CHLOROMETHANE5CHLOROMETHANE5CHLOROETHANE5CHLOROETHANE5CHLOROETHANE5CHLOROETHENE5CHLOROETHENE5CHLOROETHENE5CHLOROPROPANE5CHLOROPROPANE5CHLOROPROPENE5CHLOROPROPENE5CHLOROPROPENE5CHYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5, 1, 2, 2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	
CHLOROETHANE5CHLOROFORM5CHLOROMETHANE5CHLOROMETHANE5OIBROMOCHLOROMETHANE5C, 1 - DICHLOROETHANE5C, 2 - DICHLOROETHENE5CIS-1, 2 - DICHLOROETHENE5CRANS-1, 2 - DICHLOROETHENE5CIS-1, 3 - DICHLOROPROPENE5TANS-1, 3 - DICHLOROPROPENE5THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2 - PENTANONE (MIBK)1TYRENE5, 1, 2, 2 - TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.00	
HLOROFORM5CHLOROMETHANE5CHLOROMETHANE5OIBROMOCHLOROMETHANE5C,1-DICHLOROETHANE5C,2-DICHLOROETHENE5CIS-1,2-DICHLOROETHENE5CRANS-1,2-DICHLOROETHENE5CIS-1,3-DICHLOROPROPENE5TS-1,3-DICHLOROPROPENE5CHYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.00	UG/L
HLOROMETHANE5DIBROMOCHLOROMETHANE5.1-DICHLOROETHANE5.2-DICHLOROETHANE5IS-1,2-DICHLOROETHENE5'RANS-1,2-DICHLOROETHENE5'Z-DICHLOROPROPANE5'IS-1,3-DICHLOROPROPENE5'TANS-1,3-DICHLOROPROPENE5'THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
JIBROMOCHLOROMETHANE5.,1-DICHLOROETHANE5.,2-DICHLOROETHANE5.1-DICHLOROETHENE5.1,2-DICHLOROETHENE5.2-DICHLOROETHENE5.2-DICHLOROPROPANE5.1,3-DICHLOROPROPENE5.7RANS-1,3-DICHLOROPROPENE5.7HYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5.METHYL-2-PENTANONE (MIBK)1TYRENE5.1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
5571-DICHLOROETHANE571-DICHLOROETHENE571,2-DICHLOROETHENE5771,2-DICHLOROETHENE72-DICHLOROPROPANE571,3-DICHLOROPROPENE57710CHLOROPROPENE7110CHLOROPROPENE711711711711711711711711711711711711<	0 5.0 U	UG/L
5.,2-DICHLOROETHANE51,1-DICHLOROETHENE52IS-1,2-DICHLOROETHENE5'RANS-1,2-DICHLOROETHENE5,2-DICHLOROPROPANE5'IS-1,3-DICHLOROPROPENE5'RANS-1,3-DICHLOROPROPENE5'THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
., 1-DICHLOROETHENE5, 1, 2-DICHLOROETHENE5, 2-DICHLOROPROPENE5, 2-DICHLOROPROPENE5, 3-DICHLOROPROPENE5	0 5.0 U	UG/L
IIS-1,2-DICHLOROETHENE5'RANS-1,2-DICHLOROETHENE5'RANS-1,2-DICHLOROPROPANE5'IS-1,3-DICHLOROPROPENE5'RANS-1,3-DICHLOROPROPENE5'THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
'RANS-1,2-DICHLOROETHENE5.,2-DICHLOROPROPANE5:IS-1,3-DICHLOROPROPENE5'RANS-1,3-DICHLOROPROPENE5:THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
.,2-DICHLOROPROPANE5SIS-1,3-DICHLOROPROPENE5TRANS-1,3-DICHLOROPROPENE5THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
IS-1,3-DICHLOROPROPENE5'RANS-1,3-DICHLOROPROPENE5'THYLBENZENE5-HEXANONE1'ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE5THYLBENZENE5-HEXANONE1ETHYLENE CHLORIDE5-METHYL-2-PENTANONE (MIBK)1TYRENE5,1,2,2-TETRACHLOROETHANE5ETRACHLOROETHENE5	0 5.0 U	UG/L
THYLBENZENE5HEXANONE1ETHYLENE CHLORIDE5METHYL-2-PENTANONE (MIBK)1TYRENE5.,1,2,2-TETRACHLOROETHANE5.ETRACHLOROETHENE5.	0 5.0 U	UG/L
-HEXANONE]ETHYLENE CHLORIDE5METHYL-2-PENTANONE (MIBK)]TYRENE5., 1, 2, 2-TETRACHLOROETHANE5.ETRACHLOROETHENE5.	0 5.0 U	UG/L
ETHYLENE CHLORIDE5METHYL-2-PENTANONE (MIBK)1TYRENE5.,1,2,2-TETRACHLOROETHANE5.ETRACHLOROETHENE5	0 10 U	UG/L
-METHYL-2-PENTANONE (MIBK) 1 TYRENE 5. ,1,2,2-TETRACHLOROETHANE 5. ETRACHLOROETHENE 5	0 5.0 U	UG/L
TYRENE5., 1, 2, 2 - TETRACHLOROETHANE5.ETRACHLOROETHENE5.	0 10 U	UG/L
,1,2,2-TETRACHLOROETHANE 5. ETRACHLOROETHENE 5	0 5.0 U	UG/L
ETRACHLOROETHENE 5	0 5.0 U	
	0 5.0 U	
OLUENE 5	0 5.0 U	
,1,1-TRICHLOROETHANE 5.	0 50 II	
,1,2-TRICHLOROETHANE 5.	о 5 о ц	
RICHLOROETHENE 5		
INYL CHLORIDE 5		
-XYLENE		
+P-XYLENE 5.		UG/L
SURROGATE RECOVERIES QC LIMITS	5.0 U 5.0 U	
-BROMOFLUOROBENZENE (87 - 111 %)	5.0 U	
OLUENE-D8 (87 - 108 %)	5.0 U 5.0 U 101	olo
IBROMOFLUOROMETHANE (86 - 117 %)	101 100	010 010

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/17/01

Project	Reference:

Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order Submission	#: 486667 #:	Sample Matrix: Analytical Run	WATER 68007
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08 ANALYTICAL DILUTION:	/01/01 1.00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE I,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,2-PENTANONE (MI STYRENE 1,1,2,2-TETRACHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE	Е ВК) Е	20 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC I	JIMITS	5.V U	UG/ L
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 (87 (86	- 111 %) - 108 %) - 117 %)	98 98 98	are are are

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/17/01

Date Sampled : Date Received:	Order Submission	#: 4 #:	86678	Sample Matrix: Analytical Run	WATER 68007
ANALYTE			PQL	RESULT	UNITS
DATE ANALYZED : 08 ANALYTICAL DILUTION:	/02/01 1.00		nnannatatatatat		
ACETONE			_20	_20 U	UG/L
			5.0	5.0 U	UG/L
BROMOEOPM			5.0	5.0 U	UG/L
BROMOMETHANE			5.0	5.0 U	UG/L
2-BUTANONE (MEK)			5.0	5.0 0	
CARBON DISULFIDE			10		
CARBON TETRACHLORIDE			5 0		
CHLOROBENZENE			5.0	5.0 U	
CHLOROETHANE			5.0	5.0 U	
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
TEANS 1 2 DICHLOROPROPENE	7		5.0	5.0 U	UG/L
TRANS-I, J-DICHLOROPROPENI FTUVI.DENZENE	<u>۲</u>		5.0	5.0 U	UG/L
2 - UFYANONE			5.0	5.0 U	UG/L
METHYLENE CHLORIDE			- T O		UG/L
4-METHYL-2-PENTANONE (MIE	RK)		5.0	5.0 U	UG/L
STYRENE	JIC)		5 0		
1,1,2,2-TETRACHLOROETHANE	2		5.0	5.0 0	UG/I
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
U-XYLENE			5.0	5.0 U	UG/L
N+F-XTTRNF			5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC L	IMITS	5		
4-BROMOFLUOROBENZENE	(87	- 11:	 1 %)	101	0-0
TOLUENE-D8	(87	- 108	B 응)	101	clo
DIBROMOFLUOROMETHANE	(86	- 11'	7 8)	101	00

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/17/01

Date Sampled : Date Received:	Order Submission	#: 486712 #:	Sample Matrix: Analytical Run	WATER 68007
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08, ANALYTICAL DILUTION:	/03/01 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
CTC 1 2 DICULOROETHENE		5.0	5.0 U	UG/L
TRANG-1 2-DICHLOROETHENE		5.0	5.0 U	UG/L
1 2-DICHLORODRODINE		5.0	5.0 U	UG/L
CIS-1 3-DICHLOROPRODENE		5.0	5.0 U	UG/L
TRANS-1.3-DICHLOROPROPENE	1	5.0		
ETHYLBENZENE	1	5.0	5.0 0	
2-HEXANONE		10	5.0 U 10 II	
METHYLENE CHLORIDE		5 0		
4-METHYL-2-PENTANONE (MTP	K)	10		
STYRENE	/	5.0	501	
1,1,2,2-TETRACHLOROETHANE	1	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 LI	IMITS		
4-BROMOFLUOROBENZENE	(87	- 111 %)	101	alo
TOLUENE-D8	(87 -	- 108 응)	99	olo
DIBROMOFLUOROMETHANE	(86 -	- 117 %)	98	olo

VOLATILE ORGANICS

METHOD MODIFIED RSK-175 Reported: 08/17/01

Project Reference: Client Sample ID : METHOD BLANK				
Date Sampled : Orde Date Received: Submissio	r #: n #:	484824	Sample Matrix: Analytical Run	WATER 67640
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 07/31/01 ANALYTICAL DILUTION: 1.00				
ETHANE ETHYLENE METHANE PROPANE		1.0 1.0 2.0 1.0	1.0 U 1.0 U 2.0 U 1.0 U	UG/L UG/L UG/L UG/L

An Emphysics Correct Correction One Music www.castab.com	ard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800	-695-7222 x11 • FAX (716) 288-8475 PAGE _	L OF 3 CAS	S Contact
Project Name Cooper Vision	Project Number 701065-005	ANALYSIS REQUESTED	(Include Method Number and Contain	ner Preservative)
Project Manager V. Dick	Report CC	PRESERVATIVE		304
Company/address Holey & Aldric	4	RS 8082	Nor	Preservative Key
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Rochester, NY	HUG2-42041	De con	CLAND CLOSE CLAND	CLAC 4. NaOH 5. Zn. Acetate 6. MeOH
716)359-9000	(JIL) 359 - 4650			CALC 1. NartSU4
Sarguler's Signature	Sampler's Printed Name	2 \0 8 \0 8 \0 8 \0 8 \0 8 \0 8 \0 8 \0	NO/SERVICE SOL	CON REMARKS
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MW - 403	480179 7/19 1045			×
MW-205	130180 7/19 130			×
MW - 205	480/81 7/19 1730 1	2	×	
0WD- 302	4 80183 7/19 1515	~		
MW-403	480183 7/19 1045			
MW-403	- 40 200 1/10 1042 -	2		
0WD-302	46306 7/19 1515	2	×	
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		X STANDARD	II. Results + QC Summaries (LCS, DUP, MS/MSD as required)	PO#
		REQUESTED FAX DATE	III. Results + QC and Calibration Summaries	BILTO.
		REQUESTED REPORT DATE	IV. Data Validation Report with Raw Data	ADDRESS
See QAPP			V. Speicalized Forms / Custom Report	Raionsyl
SAMPLE RECEIPT: CONDITION/COC	MER, JEMP. J CUSTODY SEALS	: Y N	Etiala Yes Mo	SUBMISSION #:
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See QAPP SAMPLE RECEIPT: CONDITION/COOLER TEMP/ RELINGUISHED RY		BEDILESTED REPORT DATE	IV. Data Validation Report with Raw Data	ADDRESS
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Analytical U	An Employee-Counced Company One Mustar www.casiab.com	Prover Name Cool Ser VISION	Project Manager V. Dick	Company/Address H & A 200	Suite 200	Rochester, NY	Physe # CTIL)359-9000 Sarefree Stoppure .	CLIENT SAMPLEID	MW-403	Trip Blank 7-19					SPECIAL INSTRUCTIONS/COMMENTS Metals					See CAPP	SAMPLE RECEIPT: CONDITION/COOL		Stanter AUCH S	Printed Name R A	E Sal 20 905 F	Date/Tim	Distribution: White - Return to Originator: Valloui

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Columbia Analytical Services Inc.

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Other Comments:

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H&A OF NY

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RECEIVED

A FULL SERVICE ENVIRONMENTAL LABORATORY

July 2001 Baseline VOC/MNA/Gazzo

August 23, 2001

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

PROJECT: COOPERVISION #70665-006 Submission #:R2107899

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Karen Bunker Project Manager

Enc.



1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	:	Haley	&	Aldri	lch	of	New	York
Project Reference:	:	COOPEF	۲V	SION	#7C)665	5-006	5
Lab Submission # :	:	R21078	399)				
Reported :	:	08/23/	01	•				

Report Contains a total of \square 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. <u>Multiple Constant</u>



This report contains analytical results for the following samples: Submission #: R2107899

Lab ID	<u>Client</u>	ID
481356	MW-502	
481357	MW-501	
481371	MW-502	
481372	MW-502	
481393	MW-502	
481397	MW-502	
481400	MW-502	



03

Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-006 Submission #: R2107899

H&A collected water samples on 7/25/01 which were received at CAS on the same day as sampled, unbroken, packed in ice, at a cooler temperature of 3°C.

GC/MS VOLATILE ORGANICS

One water sample was analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

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.

Location MW-502 (CAS Order # 481356) required a dilution. The initial sample analysis contained a hit for 1,1-Dichloroethane, which was outside the standard calibration curve for this compound. The data has been flagged as "E". The sample was repeated at an appropriate dilution. Both sets of data are included in the report package.

The Acetone detected in sampleMW-502 was flagged with a "J" as estimated due to a high LCS recovery.

The Laboratory Blanks associated with these analyses were free from contamination.

The sample was run within the 14 day holding time for preserved sample vials for the method.

No other analytical or QC problems were encountered.

Page 2 R2107899 Continued

GC Volatile Organics

One water sample was analyzed for Ethane, Ethene, Methane and Propane by GC method RSK-175.

All associated QC was within limits for these samples.

Samples were run within holding time for the method.

The Method Blank was free from contamination.

No problems were encountered during the analysis.

Inorganic Analyses

One to two water samples were submitted for analysis for the following list of parameters: Alkalinity by method 310.1, Dissolved Organic Carbon by method 415.1, Chloride by IC method 300.0, Nitrate/Nitrite by method 353.2, Nitrate by calculation, Sulfate by IC method 300.0, Total Sulfide by method 376.1, and the ICP Metals Iron and Manganese by Method 6010B.

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

No analytical problems were encountered.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)
- * Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145	NJ ID # in Rochester:	73004
CT ID # in Rochester:	PH0556	RI ID # in Rochester:	158
MA ID # in Rochester:	M-NY032	NH ID # in Rochester:	294198-A
AIHA # in Rochester:	7889		

COLUMBIA ANALYTICAL SERVICES	VOLAT METHO	ILE ORGANICS D 8260B TCL	
Haley & Aldrich of New York Project Reference: COOPERVISI Client Sample ID : MW-502	Report ON #70665-006		
Date Sampled : 07/24/01 11:15 O Date Received: 07/25/01 Submis	rder #: 481356 sion #: R2107899	Sample Matrix: Analytical Run	WATER 68018
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 1.0	0		
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,TRICHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 26 \ J \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 11 \\ 10 \ U \\ 5.0 \ U \ 5.0 \ U \\ 5.0 \ U \ 5.0 \ U \\ 5.0 \ U \ 5.0 \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS		
4 - BROMOFLUOROBENZENE TOLUENE - D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 100 102	ත්ත ත්ත

COLUMBIA ANALYTICAL SERVICES		VOLAT METHOI Report	ILE ORGANICS D 8260B TCL ced: 08/23/01	
Haley & Aldrich of New York Project Reference: COOPERVISI Client Sample ID : MW-502	ON #70665-00	6		
Date Sampled : 07/24/01 11:15 C Date Received: 07/25/01 Submis	order #: 4813 sion #: R210	56 7899	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.0	0			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE		$\begin{array}{c} 2 \\ 0 \\ 5 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS	5.0	2500 0	00/1
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 % (87 - 108 % (86 - 117 %))	99 98 98	ත්ත ත්ත

Reported: 08/23/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-501

Date Sampled : 07/24	/01 10:15	Order	#: 481357	Sample Matrix: WATER						
Date Received: 07/25	5/01 s	ubmission	#: R2107899							
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION			
TOTAL ALKALINITY	310.1	2.00	201	MG/L	08/06/01	10:30	0.0			
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	07/26/01	14:00				

Reported: 08/23/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-502

Date Sampled : Date Received:	07/25/01 07/25/01	08:30	Order Submission	#: 481371 #: R2107899		Sample Matrix:	WATER
ANALYTE		METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON MANGANESE		6010B 6010B	0.100 0.0100	8.76 0.317	MG/L MG/L	08/03/01 08/03/01	1.0 1.0

Reported: 08/24/01

07/26/01 14:00

1.0

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-502

376.1

1.00

TOTAL SULFIDE

Date Sampled : 07/25/01 08:35 Order #: 481372 Sample Matrix: WATER Date Received: 07/25/01 Submission #: R2107899 DATE TIME ANALYTE METHOD PQLRESULT UNITS ANALYZED ANALYZED DILUTION _____ CHLORIDE 300.0 0.100 246 MG/L 08/07/01 11:35 40.0 NITRITE NITROGEN 353.2 0.0100 0.0389 MG/L 07/25/01 16:21 1.0 SULFATE 300.0 0.200 183 MG/L 08/07/01 11:35 40.0 TOTAL ALKALINITY 310.1 2.00 112 MG/L 08/06/01 10:30 0.0

1.08

MG/L

Reported: 08/23/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-502

Date Sampled : 07/25/01 Date Received: 07/25/01	08:25	Order #: Submission #:	481393 R2107899	Sample Matrix: WATER						
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DIL	UTION				
NITRATE NITROGEN NITRATE/NITRITE NITROGEN	353.2 353+35	0.0500 0.0500	0.137 0.137	MG/L MG/L	07/27/01 09:23	L.O.				

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VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/23/01

Date Sampled : Date Received:	Order #: Submission #:	486719	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08 ANALYTICAL DILUTION:	/01/01 1.00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM 1, 2-DICHLOROETHANE 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROPROPENE CIS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MI STYRENE 1, 1, 2, 2-TETRACHLOROETHAN TETRACHLOROETHENE FOLUENE 1, 1, 1-TRICHLOROETHANE 1, 1, 2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	Е ВК) Е	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIM	ITS		
4 - BROMOFLUOROBENZENE FOLUENE - D8 DIBROMOFLUOROMETHANE	(87 - (87 - (86 -	111 %) 108 %) 117 %)	98 98 98	olo olo olo

 $\left(\right)$

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/23/01

Date Sampled : Date Received:	Order Submission	#: 4867 #:	23	Samp Anal	le Matrix: ytical Run	WATER 68018
ANALYTE			PQL		RESULT	UNITS
DATE ANALYZED : 08/ ANALYTICAL DILUTION:	03/01 1.00	<u> </u>				
ACETONE			20		20 U	UG/L
BENZENE			5.0		5.0 U	UG'/L
BROMODI CHLOROMETHANE			5.0		5.0 U	UG/T
BROMOFORM			5.0		5.0 U	UG/L
BROMOMETHANE			5.0		5.0 U	UG/L
2-BUTANONE (MEK)			10		10 TT	UG/I
CARBON DISULFIDE			10		10 U	TIG/L
CARBON TETRACHLORIDE			5.0		5.0 U	UG/L
CHLOROBENZENE			5.0		5.0 II	IIG/I.
CHLOROETHANE			5.0		5.0 II	UG/L
CHLOROFORM			5.0		5.0 U	UG/L
CHLOROMETHANE			5.0		5 0 II	UG/L
DIBROMOCHLOROMETHANE			5.0		5 0 TI	
L, 1-DICHLOROETHANE			5.0		50 U	
, 2-DICHLOROETHANE			5 0		5 0 U	
,1-DICHLOROETHENE			5.0		5.0 II	UG/L
CIS-1,2-DICHLOROETHENE			5 0		5 0 TT	
FRANS-1,2-DICHLOROETHENE			5.0		5.0 U	
L.2-DICHLOROPROPANE			5.0		5.0 II	UG/L
CIS-1, 3-DICHLOROPROPENE			5 0		5 0 TI	
RANS-1, 3-DICHLOROPROPENE			5 0		50U	
THYLBENZENE			5 0		501	
2-HEXANONE			10			
THYLENE CHLORIDE			5 0		50U	
-METHYL-2-PENTANONE (MIB	к)		10			
STYRENE			5 0		5011	
L.1.2.2-TETRACHLOROETHANE			5.0			
CETRACHLOROETHENE			5 0		5 0 TT	UG/I.
OLUENE			50		501	
.1.1-TRICHLOROETHANE			5 0		5011	
.1.2-TRICHLOROETHANE			5.0			
RICHLOROETHENE			5 0		5 0 11	
INYL CHLORIDE			5 0		50U	
D-XYLENE			5.0		501	
1+P-XYLENE			5.0		5.0 U	UG/L
SURROGATE RECOVERIES	QC I	JIMITS				
-BROMOFLUOROBENZENE	(87	- 111 %)		101	00
OLUENE-D8	(87	- 108 %)		99	00
DIBROMOFLUOROMETHANE	(86	- 117 %)		98	00

VOLATILE ORGANICS

METHOD MODIFIED RSK-175 Reported: 08/23/01

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled :	Order #:	484876	Sample Matrix:	WATER
Date Received:	Submission #:		Analytical Run	67664
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : ANALYTICAL DILUTION:	08/01/01 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

•			Col Coole	lumbia er Reco	a Analytic cipt And P	al Service reservatio	s Inc. n Check Fort	n	
Proje	ect/Client	HHA				Subm	ission Number	Rai	0789.9
Cool	ler received on	7-25-01 by:	<u>K</u>	/	COURIE	R: CAS	UPS FED	EX CD&I	. CLIENT
I. 2. 3. 4. 5. 6. 7.	Were custo Were custo Did all bottl Did any VC Were Ice or Where did t Temperatur	dy seals on outside dy papers properly les arrive in good c A vials have signif Ice packs present he bottles originate e of cooler(s) upor	e of coo filled o conditio ficant a t? e? n receip	oler? out (ink on (unb ir bubb ot:	c, signed, e roken)? les?	tc.)?	YEI	NO NO NO NO NO NO N/A NO 	ENT
	Is the tempera	ture within 0° - 6° C?	;		Yes 🗹	Yes 🛛	Yes 🗆	Yes 🛛	Yes 🗆
4- ⁵ 1	lf No, Explai	n Below			No 🗆	No 🗆	No 🗆	No 🗆	No 🗆
	Date/Time 1	Cemperatures Take	en:	7-0	25-01	@ 97	34		
	Thermometer	er ID: IR-Gui	1 -	Гетр Н	Blank Sa	mple Bottl	e Cooler Te	mp. (IR. C	iun)
 If out	of Tennerature	Client Approval (0 D 6					•	
4. Expla	Air Samples in any discrepa	Cassettes / Tub ncies:	es Inta	a	Canisters I	Pressurized	Tedlar®	Bags Inflate	H NVA
()			YES	NO	Sample LL)	Reagent	Vol. Ad	ied [•]
	pН	· Reagent		Į					
1	· 12	NeOH			<u> </u>				
	2	HNO,	V	<u> </u>				<u> </u>	
L.A.	2	H ₂ SO ₄	ĻĽ		ļ		78. (19. 19. 19. 19. 19. 19. 19. 19. 19. 19.		
Residu	al Chlorine (+/-)	for TCN & Phenol			Ļ				
	Ś-9*	P/PCBs (608 only)	[Į			, 		
YES =								and a first stand of the first of the stand	
•lfpHa	All samples OK djustment is requir	NO = Sam ed, use NaOH and/or H	pies were SO4	e presarv	CO AL ISO AS 11:	acd	PC OK to adjust p	Ж	
•If pH a.	All samples OK djustment is requir VO (1	NO = Sam ed, use NaOH and/or H C Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2	ples were 2504				PC OK to adjust p	Ĥ	
•If pH a.	All samples OK djustment is requir VO (1	NO = Sam ed, use NaOH and/or H C Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2	ples were	e preservi			PC OK to adjust p	Υ.	
•If pH a	All samples OK djustment is requir VO (1	NO = Sam ed, use NaOH and/or H C Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2	pics were >SO ₄	e preservi			PC OK to adjust p	Υ.	
•IfpHa	All samples OK djustment is requir VO (1	NO = Sam ed, use NaOH and/or H C Vial pH Verification fested after Analysis) Following Samples Exhibited pH > 2	pics were SOL	e preservi			PC OK to adjust p		

Other Comments:

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July 200 1 Baseline Voc/MNA/Gases

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 23, 2001

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

PROJECT: COOPERVISION #70665-006 Submission #:R2107880

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

unter

Karen Bunker Project Manager

Enc.



1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client :	Haley & Aldrich of New York
Project Reference:	COOPERVISION #70665-006
Lab Submission # :	R2107880
Reported :	08/23/01

Report Contains a total of 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.



Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-006 Submission #: R2107880

CAS Order # 480985

Client ID MW-501

H&A collected a water sample on 7/23/01 and was received at CAS on the same day as sampled, unbroken, packed in ice, at a cooler temperature of 1°C.

GC/MS VOLATILE ORGANICS

One water sample was analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

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.

Location MW-501 (CAS Order # 480985) required a dilution. The initial sample analysis contained a hit for 1,1-Dichloroethane which was outside the standard calibration curve for this compound. The data has been flagged as "E". The sample was repeated at an appropriate dilution. Both sets of data are included in the report package.

The Laboratory Blanks associated with these analyses were free from contamination.

The sample was run within the 14 day holding time for preserved sample vials for the method.

No other analytical or QC problems were encountered.

Page 2 R2107880 Continued

GC Volatile Organics

One water sample was analyzed for Ethane, Ethene, Methane and Propane by GC method RSK-175.

All associated QC was within limits for these samples.

Samples were run within holding time for the method.

The Method Blank was free from contamination.

No problems were encountered during the analysis.

Inorganic Analyses

One water sample was submitted for analysis for the following list of parameters: Dissolved Organic Carbon by method 415.1, Chloride by IC method 300.0, Nitrate/Nitrite by method 353.1, Nitrite by method 353.2, Nitrate by calculation, Sulfate by IC method 300.0, and the ICP Metals Iron and Manganese by Method 6010B.

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

No analytical problems were encountered.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits.
 (Flag the entire batch Inorganic analysis only)
- * Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester:	10145
CT ID # in Rochester;	PH0556
MA ID # in Rochester:	M-NY032
AIHA # in Rochester:	7889

NJ ID # in Rochester: 73004 RI ID # in Rochester: 158 NH ID # in Rochester: 294198-A

Reported: 08/23/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-501

 Date Sampled : 07/23/01 14:30
 Order #: 480985
 Sample Matrix: WATER

 Date Received: 07/23/01
 Submission #: R2107880
 Sample Matrix: WATER

	ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
1	CHLORIDE	300.0	0.100	355	MG/L	08/07/01	11:23	100.0
)	DISSOLVED ORGANIC CARBONS	415.1.	1.00	3.38	MG/L	08/15/01	13:00	1.0
	NITRATE NITROGEN	353.2	0.0500	0.0630	MG/L			1.0
	NITRATE/NITRITE NITROGEN	353+35	0.0500	0.0630	MG/L	07/27/01	09:23	1.0
· ·	NITRITE NITROGEN	353.2	0.0100	0.0100 U	MG/L	07/25/01	09:41	1.0
1	SULFATE	300.0	0.200	40.2	MG/L	08/06/01	13:56	10.0
-

Reported: 08/23/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** MW-501

Date Sampled : 07/23/0 Date Received: 07/23/0	1 14:30 1 :	Order Submission	#: 480985 #: R2107880		Sample Matrix:	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON MANGANESE	6010B 6010B	0.100 0.0100	462 11.8	MG/L MG/L	08/03/01 08/03/01	10.0 1.0

COLUMBIA ANALYTICAL SERVICES	VOLATI METHOI	LLE ORGANICS 0 8260B TCL	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-501	Report ION #70665-006	ted: 08/23/01	
Date Sampled : 07/23/01 14:30 Date Received: 07/23/01 Submi	Order #: 480985 ssion #: R2107880	Sample Matrix: Analytical Run	WATER 68018
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/02/01 ANALYTICAL DILUTION: 1.	00		
ACETONE BENZENE BROMODI CHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROFTHANE CHLOROFTHANE CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,TRICHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE SURROGATE RECOVERIES	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 32\\ 5.0 \ U\\ 5.0 \ U\\ 5.0 \ U\\ 10 \ U\\ 10 \ U\\ 10 \ U\\ 5.0 \ U\ U\\ 5.0 \ U\ 5$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 101 103	ත්ව ත්ව

ADDITION DESCRIPTION Reported: 03/23/01 Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : MN-501 Date ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00 ACETONE 5.0 DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00 UGAL DECOMPTANE Scoot U UG/L BRCMODICHLOROMETHANE 5.0 Scoot U UG/L CARBON DISULFIDE 5.0 Scoot U UG/L CARBON DISULFIDE 5.0 Scoot U UG/L CHLOROETHANE 5.0 Scoot U UG/L CHLOROETHANE 5.0 Scoot U UG/L	COLUMBIA ANALYTICAL SERVICES				TOT DO	TIR ODGINICO		
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sampled ID : MM-501 Date Sampled : 07/23/01 4:30 Order #: 480985 Date Received: 07/23/01 Submission #: R2107880 Sample Matrix: WATER Analytical Run 68018 ANALYTE PQL RESULT UNITS DATE ANALYZED BENZENS : 08/03/01 ANALTICAL DILUTION: 500.00 : 08/03/01 ANALTICAL DILUTION: 500.00	•				METHO: Repor	D 8260B TCL ted: 08/23/01		
Project Kerence: Correct Notation #70665-006 Client Sample II: NM-SDI Date Sampled:: 07/23/01 14:30 Order #: 480985 Sample Matrix: NATER Analytical Run 63018 ANALYTE POL RESULT UNITS DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00 ACETONE 20 10000 U UG/L BENZENS BACMOFORM 5.0 2500 U UG/L UG/L BENZENS 5.0 2500 U UG/L BENCHDICHLOROMETHANE 5.0 2500 U UG/L BENCHDICHLOROMETHANE 5.0 2500 U UG/L BENCHDICHLOROMETHANE 5.0 2500 U UG/L CARBON DISULFIDE 10 5000 U UG/L CHARON TETRACHLORIDE 5.0 2500 U <th>Haley & Aldrich of New York</th> <th>T 0.17</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	Haley & Aldrich of New York	T 0.17						
Date Sampled : 07/23/01 14:30 Order #: 480985 Date Received: 07/23/01 Submission #: R2107880 Sample Matrix: MATER Analytical Run 68018 ANALYTE PQL RESULT UNITS DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00 03/01 ANALYTER 03/01 ANALYTER 03/01 ANALYTER 03/01 ANALYTER DATE ANALYZED : 08/03/01 BENZENE 500.00 2500 U UG/L 03/0 Cartonic ACETONE 5.0 2500 U UG/L 03/0 Cartonic 03/0 Cartonic BENMEDIE 5.0 2500 U UG/L 03/0 Cartonic 03/0 Cartonic 03/0 Cartonic CAREON DISULFIDE 10 5000 U UG/L 03/0 Cartonic 03/0 Cartonic 03/0 Cartonic CHLOROEMENANE 5.0 2500 U UG/L 03/0 Cartonic 03/0 Cartonic 03/0 Cartonic	Client Sample ID : MW-501	ION	#706	65-0	06			
ANALYTE PQL RESULT UNITS DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00	Date Sampled : 07/23/01 14:30 Date Received: 07/23/01 Submi	Orde ssic	er #: on #:	480 R21	985 07880	Sample Matrix: Analytical Run	WATER 68018	
DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.00 ACETONE : 00.00 ACETONE : 00.00 BENZENE : 5.0 2500 U UG/L BENZENE : 5.0 2500 U UG/L BROMODICHLOROMETHANE : 5.0 2500 U UG/L BROMODICHLOROMETHANE : 5.0 2500 U UG/L BROMODE : 10000 : 000 U UG/L 0.0000 U UG/L CARBON DISULFIDE : 10 0.000 U UG/L CARBON DISULFIDE : 5.0 2500 U UG/L CHLOROMENZENE : 5.0 2500 U UG/L CHLOROMETHANE : 5.0 2500 U UG/L CHLOROMETHANE : 5.0 2500 U UG/L CHLOROMETHANE : 5.0 2500 U UG/L DIBROMOCHLOROMETHANE : 5.0 2500 U UG/L 1.1-DICHLOROMETHANE : 5.0 2500 U UG/L 1.2-DICHLOROMETHANE : 5.0 2500 U UG/L 1.1-DICHLOROMETHANE : 5.0 2500 U UG/L 1.2-DICHLOROMETHANE : 5.0 2500 U UG/L ITRANS-1, 2-DICHLOROMETHENE : 5.0 <t< th=""><th>ANALYTE</th><th></th><th></th><th></th><th>PQL</th><th>RESULT</th><th>UNITS</th><th></th></t<>	ANALYTE				PQL	RESULT	UNITS	
ACETONE 20 10000 U UG/L BERMODICHLOROMETHANE 5.0 2500 U UG/L BROMODICHLOROMETHANE 5.0 2500 U UG/L BROMODICHLOROMETHANE 5.0 2500 U UG/L BROMOMETHANE 5.0 2500 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON DISULFIDE 5.0 2500 U UG/L CHLOROBENZENE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L 1.1 -DICHOROETHANE 5.0 2500 U UG/L 1.1 -DICHLOROETHENE 5.0 2500 U UG/L 1.1 -DICHLOROETHENE 5.0 2500 U UG/L 1.2 -DICHLOROETHENE 5.0 2500 U UG/L 1.3 -DICHLOROETHENE 5.0 2500 U UG/L 1.4.1 -DICHLOROETHENE 5.0 2500 U UG/L	DATE ANALYZED : 08/03/01 ANALYTICAL DILUTION: 500.	00	<u></u>					
BENZENE 5.0 2500 U UG/L BROMODICHLOROMETHANE 5.0 2500 U UG/L BROMODICHLOROMETHANE 5.0 2500 U UG/L BROMOPER 5.0 2500 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CHLOROBENZENE 5.0 2500 U UG/L 1.1 -DICHLOROBETHANE 5.0 2500 U UG/L 1.1 -DICHLOROBETHANE 5.0 2500 U UG/L 1.2 -DICHLOROBETHENE 5.0 2500 U UG/L 1.3 -DICHLOROETHENE 5.0 2500 U UG/L	ACETONE				20	10000 U	UG/L	
BROMODICHLOROMETHANE 5.0 2500 U UG/L BROMOMETHANE 5.0 2500 U UG/L BROMOMETHANE 5.0 2500 U UG/L 2-BUTANONE (MEK) 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON TETRACHLORIDE 5.0 2500 U UG/L CHLOROBEMZENE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L DIBROMOCHLOROMETHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L	BENZENE				5.0	2500 U	UG/L	
BROMOFORM 5.0 2500 U UG/L BROMOFORM 5.0 2500 U UG/L 2-BUTANONE (MEK) 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON TETRACHLORIDE 5.0 2500 U UG/L CHLOROBENZENE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROPENENE 5.0 2500 U UG/L 1, 1, 2, 2-DICHLOROPENE 5.0 2500 U UG/L	BROMODICHLOROMETHANE				5.0	2500 U	UG/L	
BROWORE THANE 5.0 2500 U UG/L 2-BUTNONE 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON DISULFIDE 10 5000 U UG/L CARBON TETRACHLORIDE 5.0 2500 U UG/L CHLOROBENZENE 5.0 2500 U UG/L CHLOROPENANE 5.0 2500 U UG/L CHLOROPENANE 5.0 2500 U UG/L CHLOROPENANE 5.0 2500 U UG/L (1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROPENE 5.0 2500 U UG/L 1, 2-DICHLOROPROPENE 5.0 2500 U UG/L 1, 2-DICHLOROPROPENE 5.0 2500 U UG/L CIS-1, 3-DICHLOROPROPENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L	BROMOFORM				5.0	2500 U	UG/L	
2-BOLANONE (MEA) 10 5000 U UG/L CARBON TETRACHLORIDE 5.0 2500 U UG/L CHLOROBENZENE 5.0 2500 U UG/L CHLOROETHANE 5.0 2500 U UG/L CHLOROETHANE 5.0 2500 U UG/L CHLOROETHANE 5.0 2500 U UG/L CHLOROMOCHLOROMETHANE 5.0 2500 U UG/L 1.1-DICHLOROETHANE 5.0 2500 U UG/L 1.2-DICHLOROETHANE 5.0 2500 U UG/L 1.2-DICHLOROETHENE 5.0 2500 U UG/L 1.2-DICHLOROETHENE 5.0 2500 U UG/L 1.2-DICHLOROPENE 5.0 2500 U UG/L 1.2-DICHLOROPENE 5.0 2500 U UG/L 1.2-DICHLOROPENE 5.0 2500 U UG/L 2-HEXANORE 10 5000 U UG/L <td< td=""><td>BROMOMETHANE</td><td></td><td></td><td></td><td>5.0</td><td>2500 U</td><td>UG/L</td><td></td></td<>	BROMOMETHANE				5.0	2500 U	UG/L	
CARBON DISOFTIDE 10 5000 0 UG/L CARBON TETRACHLORIDE 5.0 2500 U UG/L CHLORDENZENE 5.0 2500 U UG/L CHLORDENZENE 5.0 2500 U UG/L CHLORDENTANE 5.0 2500 U UG/L CHLOROFORM 5.0 2500 U UG/L CHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L CIS-1,2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L CTANNS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L CHAXNONE 10 5000 U UG/L CHAXNONE 10 5000 U UG/L CHAXNONE 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROET	CADDON DIGHTEIDE				10	5000 U	UG/L	
CHLOROBENZENE 5.0 2500 U UG/L CHLOROBENZENE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROFTHANE 5.0 2500 U UG/L CHLOROMETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPENE 5.0 2500 U UG/L 1,2-DICHLOROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPENE 5.0 2500 U UG/L 2-HEXANONE 10 500 U UG/L	CARDON TETRACHLORIDE				E 0	5000 U 2500 TI		
CHLORODETHANE 5.0 2500 U UG/L CHLOROFORM 5.0 2500 U UG/L CHLOROFORM 5.0 2500 U UG/L CHLOROFORM 5.0 2500 U UG/L DIBROMOCHLOROMETHANE 5.0 2500 U UG/L 1.1-DICHLOROETHANE 5.0 2500 U UG/L 1.2-DICHLOROETHANE 5.0 2500 U UG/L 1.1-DICHLOROETHENE 5.0 2500 U UG/L 1.2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1, 2-DICHLOROETHENE 5.0 2500 U UG/L CIS-1, 2-DICHLOROETHENE 5.0 2500 U UG/L CIS-1, 3-DICHLOROPOPANE 5.0 2500 U UG/L CHANS-1, 3-DICHLOROPROPENE 5.0 2500 U UG/L PHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1, 1, 2, 2-TETRACHLOROETHANE 5.0 2500 U UG/L 1, 1, 2, 2-TETRACHLOROETHANE 5.0 2500 U UG/L	CHLOROBENZENE				5.0	2500 0		
CHLOROFORM 5.0 2500 U UG/L CHLOROMETHANE 5.0 2500 U UG/L DIBROMOCHLOROMETHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHANE 5.0 2500 U UG/L 1, 1-DICHLOROETHENE 5.0 2500 U UG/L 1, 1-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROPROPANE 5.0 2500 U UG/L 1, 2-DICHLOROPROPANE 5.0 2500 U UG/L 2-HEXANNE 1.0 500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANNE 10 500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 500 U UG/L 1, 1, 2, 2-TETRACHLOROETHANE 5.0 2500 U U	CHLOROETHANE				5.0	2500 U 2500 U		
CHLOROMETHANE 5.0 2500 U UG/L DIBROMOCHLOROMETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORDEDE 5.0 2500 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,1,1-TRICHLOROETHANE 5.0 2500 U	CHLOROFORM				5.0	2500 U 2500 U	UG/I.	
DIBROMOCHLOROMETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 5300 UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHENE 5.0 2500 U UG/L CIS-1,2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROROPANE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L 2-TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L STYRENE 10 5000 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,1,1-TRICHLOROETHANE 5.0 2500 U <td>CHLOROMETHANE</td> <td></td> <td></td> <td></td> <td>5.0</td> <td>2500 U</td> <td>UG/L</td> <td></td>	CHLOROMETHANE				5.0	2500 U	UG/L	
1,1-DICHLOROETHANE 5.0 5300 UG/L 1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHANE 5.0 2500 U UG/L CIS-1,2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPPOPANE 5.0 2500 U UG/L 1,2-DICHLOROPPOPANE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L STYRENE 10 5000 U UG/L STYRENE 5.0 2500 U UG/L TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L <td>DIBROMOCHLOROMETHANE</td> <td></td> <td></td> <td></td> <td>5.0</td> <td>2500 U</td> <td>UG/L</td> <td></td>	DIBROMOCHLOROMETHANE				5.0	2500 U	UG/L	
1,2-DICHLOROETHANE 5.0 2500 U UG/L 1,1-DICHLOROETHENE 5.0 2500 U UG/L CIS-1,2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L CIS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L A-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TRICHLOROETHANE 5.0	1,1-DICHLOROETHANE				5.0	5300	UG/L	
1,1-DICHLOROETHENE 5.0 2500 U UG/L CIS-1,2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L CIS-1,3-DICHLOROPROPANE 5.0 2500 U UG/L CIS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLEENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TCLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U	1,2-DICHLOROETHANE				5.0	2500 U	UG/L	
CIS-1, 2-DICHLOROETHENE 5.0 2500 U UG/L TRANS-1, 2-DICHLOROETHENE 5.0 2500 U UG/L 1, 2-DICHLOROPOPANE 5.0 2500 U UG/L CIS-1, 3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1, 3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1, 3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLEENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 250	1,1-DICHLOROETHENE				5.0	2500 U	UG/L	
TRANS-1,2-DICHLOROETHENE 5.0 2500 U UG/L 1,2-DICHLOROPROPANE 5.0 2500 U UG/L CIS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U	CIS-1,2-DICHLOROETHENE		,		5.0	2500 U	UG/L	
1,2-DICHLOROPROPENE 5.0 2500 U UG/L CIS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U U	TRANS-1,2-DICHLOROETHENE				5.0	2500 U	UG/L	
C1S-1,3-DICHLOROPROPENE 5.0 2500 U UG/L TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L Z-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L <td>1,2-DICHLOROPROPANE</td> <td></td> <td></td> <td></td> <td>5.0</td> <td>2500 U</td> <td>UG/L</td> <td></td>	1,2-DICHLOROPROPANE				5.0	2500 U	UG/L	
TRANS-1,3-DICHLOROPROPENE 5.0 2500 U UG/L ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % % <	CIS-1, 3-DICHLOROPROPENE				5.0	2500 U	UG/L	
ETHYLBENZENE 5.0 2500 U UG/L 2-HEXANONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L A-METHYLENE CHLORIDE 5.0 2500 U UG/L STYRENE 10 5000 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %)	TRANS-1, 3-DICHLOROPROPENE				5.0	2500 U	UG/L	
2 - HEARNONE 10 5000 U UG/L METHYLENE CHLORIDE 5.0 2500 U UG/L 4 -METHYL-2 - PENTANONE (MIBK) 10 5000 U UG/L STYRENE 10 5000 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 %	ETHYLBENZENE 2. UEVANONE				5.0	2500 U	UG/L	
METHILENE CHIOKIDE 5.0 2500 0 0G/L 4-METHYL-2-PENTANONE (MIBK) 10 5000 U UG/L STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % D	Z-REAANONE METUVI, ENID CUI ODIDE				E 0	5000 U	UG/L	
STYRENE 5.0 2500 U UG/L 1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	4 - METHYL - 2 - PENTANONE (MIRK)				10	2500 U 5000 U		
1,1,2,2-TETRACHLOROETHANE 5.0 2500 U UG/L TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	STYRENE				5 0	2500 U	UG/L	
TETRACHLOROETHENE 5.0 2500 U UG/L TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	1,1,2,2-TETRACHLOROETHANE				5.0	2500 U	UG/L	
TOLUENE 5.0 2500 U UG/L 1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	TETRACHLOROETHENE				5.0	2500 U	UG/L	
1,1,1-TRICHLOROETHANE 5.0 2500 U UG/L 1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	TOLUENE				5.0	2500 U	UG/L	
1,1,2-TRICHLOROETHANE 5.0 2500 U UG/L TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 5.0 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	1,1,1-TRICHLOROETHANE				5.0	2500 U	UG/L	
TRICHLOROETHENE 5.0 2500 U UG/L VINYL CHLORIDE 5.0 2500 U UG/L O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 2500 U UG/L 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	1,1,2-TRICHLOROETHANE				5.0	2500 U	UG/L	
VINYL CHLORIDE 5.0 2500 U UG/L 0-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % 4-BROMOFLUOROBENZENE (87 - 108 %) 99 % 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	TRICHLOROETHENE				5.0	2500 U	UG/L	
O-XYLENE 5.0 2500 U UG/L M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	VINYL CHLORIDE				5.0	2500 U	UG/L	
M+P-XYLENE 5.0 2500 U UG/L SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	O-XYLENE				5.0	2500 U	UG/L	
SURROGATE RECOVERIES QC LIMITS 4-BROMOFLUOROBENZENE (87 - 111 %) 99 % TOLUENE-D8 (87 - 108 %) 99 % DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	M+F-XITENE	·			5.0	2500 U	UG/L	
4-BROMOFLUOROBENZENE(87 - 111 %)99%TOLUENE-D8(87 - 108 %)99%DIBROMOFLUOROMETHANE(86 - 117 %)100%	SURROGATE RECOVERIES	QC	LIMI	TS				
DIBROMOFLUOROMETHANE (86 - 117 %) 100 %	4 - BROMOFLUOROBENZENE	(87 (97	- 1	11 %	5)	99	00 0	
	DIBROMOFLUOROMETHANE	(86	- 1	.00 7 .17 9	5)	100	0 010	

CODONDIA ANADIIICAL BERVICEB	VOLATI METHOD Report	LE ORGANICS MODIFIED RSK-1' ed: 08/23/01	75
Haley & Aldrich of New York Project Reference: COOPERVISION #706 Client Sample ID : MW-501	65-006		•
Date Sampled : 07/23/01 14:30 Order #: Date Received: 07/23/01 Submission #:	480985 R2107880	Sample Matrix: Analytical Run	WATER 67664
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/01/01 ANALYTICAL DILUTION: 1.00 ETHANE ETHYLENE METHANE PROPANE	1.0 1.0 2.0 1.0	5.0 4.5 8.1 3.0	UG/L UG/L UG/L UG/L

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VOLATILE ORGANICS METHOD 8260B TCL

METHOD 8260B TCL Reported: 08/23/01

Date Sampled : Date Received:	Order #: Submission #:	486719	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : (ANALYTICAL DILUTION:	08/01/01 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
L, 2-DICHLOROETHANE		5.0	5.0 U	UG/L
I, I-DICHLOROETHENE		5.0	5.0 U	UG/L
JIS-1, 2-DICHLOROETHENE		5.0	5.0 U	UG/L
TRANS-1, 2-DICHLOROETHEN	1E	5.0	5.0 U	UG/L
I, 2-DICHLOROPROPANE	•	5.0	5.0 U	UG/L
-15-1, 3-DICHLOROPROPENE		5.0	5.0 U	UG/L
TRANS-1, 3-DICHLOROPROPE	INE	5.0	5.0 U	UG/L
SIRILBENZENE DIEXANONE		5.0	5.0 U	UG/L
4 - AGAANONE Arring die optop				UG/L
METRILENE CHLOKIDE METRIXI O DENERNOVE (M		5.0	5.0 U	UG/L
THEIRIG-Z-PENIANONE (M	IIBK)			UG/L
	NTT:	5.0	5.0 0	UG/L
Γ, Τ, Ζ, Ζ-ΙΞΙΚΑΟΠΙΟΚΟΕΙΛΑ ΓΕΨΡΆΟΤΙ Ο ΡΟΡΨΤΡΙΟ		5.0	5.0 U	UG/L UG/T
POLIENE		5.0	5.0 U	
		5.0	5.0 U	UG/L TIC/I
1.2.TRICHLOROFTHANE		5.0		
PRICHLOROETHENE		5.0		
VINYI, CHLORIDE		5.0		
-XYLENE		5.0		
1+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIMI	ITS		
-BROMOFLUOROBENZENE	(87 - 1	 Lll %)	98	olo
COLUENE-D8	(87 - 1	L08 %)	98	010
DIBROMOFLUOROMETHANE	(86 - 1	17 8)	98	o

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/23/01

Date Sampled : Date Received:	Order #: Submission #:	486723	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : ANALYTICAL DILUTION:	08/03/01 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
CHLOROMETHÀNE		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-DICHLOROETHENH	E	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETH	ENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE		5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROPEN	NE	5.0	5.0 U	UG/L
<pre>FRANS-1,3-DICHLOROPROP</pre>	PENE	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-TETRACHLOROETH	HANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE		5.0	5.0 U	UG/L
FOLUENE		5.0	5.0 U	UG/L
1,1,1-TRICHLOROETHANE		5.0	5.0 U	UG/L
L,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
D-XYLENE		5.0	5.0 U	UG/L
4+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIM	ITS		
1-BROMOFLUOROBENZENE	(87 - 3	111 %)	101	olo
COLUENE-D8	(87 - 1	LO8 응)	99	00
DIBROMOFLUOROMETHANE	(86 - 3	L17 %)	98	olo

VOLATILE ORGANICS

METHOD MODIFIED RSK-175 Reported: 08/23/01

Date Sampled :	Order #:	484876	Sample Matrix:	WATER
Date Received: S	ubmission #:		Analytical Run	67664
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/0 ANALYTICAL DILUTION:	1/01 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

JUY/LABOHAI OFr ANALYSIS HEQUEST FURM Main 309-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE OF V	OO(6 Analysis REQUESTED (Include Method Number and Container Preservative)	PRESERVATIVE 1 0 3 1 3	$\left[\begin{array}{c c} g \\ g $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\mathbf{H}_{\mathcal{C},\mathcal{T},\mathcal{O}} = \begin{bmatrix} 0 & Q $	See Annual 2 1080000000000000000000000000000000000		123 14:30 W 3 X	1/ 1/ 2X / / / / / / / / / / / / / / / / / /	3/01/11/30 S S	0/mi(4:30 a b X	21/alu:30 k l X	11/11/10 × +++					Z4 hr 48 hr 5 day II. Results + CC Summaries PO# PO# PO#	REQUESTED FAX DATEII. Results + OC and CalibrationSHAG	REQUESTED REPORT DATE	CUSTODY SEALS: Y.M.) 7 Trans of the Stata were submission #: No SUBMISSION	RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY	Signature Signature Signature Signature Signature	Printed Name Printed Name Printed Name Printed Name	$\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$ $\frac{1}{100}$	Date/Time Date/Tehne / Date/Time Date/Time
Analytical CHAIN OF CUSTOUY/LABOHATO Services * An Environmed Conversion One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695- www.easth.com	Project Name Cooper vision 70665-006	Project Manager Vince Dick Report CC	Company/Address - Company/Address - Company/Address - Barderich	200 Town Centre Dr. Swith 2	Rochester, NY 14623	Phone # 71(6-359-9,000 71(6-359-9650	Samplers Signature	CLIENT SAMPLE ID CLIENT SAMPLING MATRIX	MW-501 7 07/23 14:30 W 3	MW-501 / / / / / / / / / / / / / / / / / / /	MU-501 > 01(23/01/4730 3	MW-501 (4180985 0121/11/30 3	MW-501 / 02/20/00/00/00/00/00/00/00/00/00/00/00/0	1	$MW - 5v I \rightarrow I = \frac{1}{2} \frac{1}$		SPECIAL INSTRUCTIONS/COMMENTS	Metals by or at Attaunt to	Natural Attenuation		Fax Pichins	See GAPP [] SAMPLE RECEIPT: CONDITION/COOLER TEMP: // CUSTODY SEALS: Y	RELINGUISHED BY RECEIVED BY RELINGUISHED BY	Signature A Strewicz Signature Joni Janson Signature	Printed Name	223/4 12 21 10/201 16/30	Date/fare L Date/Time Date/Time

Date/Brie L Uate/Ine L Uster/Ine L Distribution: White - Return to Originator, Yellow - Lab Copy, Pink - Retained by Client

SCOC-0101-08

Columbia Analytical Services Inc. Cooler Receipt And Preservation Check For

		COOL	er kec	elpt And Preserv	ation Check	Form	
Project/Client	Haff			S	ubmission Nu	mber_Ral	0 7880
Cooler received on	7/23/07 by:	Ĺ	R	COURIER: C/	s ups f	EDEX CI	D&L CLIENT
 Were custo Were custo Did all bott Did any VO Were Ice o Where did to Temperature 	bdy seals on outside ody papers properly les arrive in good of DA vials have signi r Ice packs presen the bottles originate re of cooler(s) upon	e of coo y filled conditio ficant a t? e? n receip	oler? out (inl on (unb ir bubb ot:	c, signed, etc.)? proken)? ples?		YES NO YES NO YES NO YES NO YES NO CAS/ROC	/A CLIENT
Is the tempera	ature within 0° - 6° C?	2		Yes Do Yes [] Yes 🗆	Yes 🛛	Yes 🗆
If No, Expla	in Below			No/ No C	No 🗆	No 🗆	No 🗆
Date/Time	Temperatures Take	en:	_2	123/01	/	630	
Thermomet	er ID:		Гетр Е	Blank Sample B	ottle Coole	r Temp. T	Gun
If out of Temperatur	e, Client Approval t	o Run S	Samples	1	••		-
 Were correct Air Samples Explain any discrepa 	t containers used for Cassettes / Tub ancies:	or the t	ests inc ct	dicated? Canisters Pressur	zed Tedla	YES NO ar® Bags Infl	ated N/A
		YES	NO	Sample I.D.	Reagent	Vol	Added
pH	· Reagent	ļ					
· 12	NaOH						
2	HNO3		\bowtie	480985	HNUZ CAP.	<u>ac</u> 3	me
2	H ₂ SO4	\bowtie	 				
Residual Chlorine (+/-)	for TCN & Phenol	Theorem Description					
5-9*	P/PCBs (608 only)				·		-
YES =. All samples OK 'If pH adjustment is requir	NO = Sam red, use NaOH and/or H	ples were 550,	preserve	ed at lab as listed	PC OK to adj	just pH	
VO (1	C Vial pH Verification fested after Analysis) Following Samples Exhibited pH > 2				400 800 000 000 000 000 000 000 000 000		
- · · · · · · · · · · · · · · · · · · ·					ans fur		
. <u> </u>							
1	•			2			Construction of the second second

Other Comments:

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A FULL SERVICE ENVIRONMENTAL LABORATORY

July 2001

Baselme VoCs

70665-006 Bhreidsfide

August 21, 2001

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

PROJECT: COOPERVISION #70665-006 Submission #:R2107810

Dear Mr. Dick:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 08/03/01 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Karen Bunker Project Manager

Enc.



1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client :	Haley & Aldrich of New York
Project Reference:	COOPERVISION #70665-006
Lab Submission $\#$:	R2107810
Reported :	08/07/01

Report Contains a total of 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.



This report contains analytical results for the following samples: Submission #: R2107810

Lab ID	<u>Client ID</u>
479702	MW-204
479704	MW-203
479706	OW-304
479707	MW-402
479708	MW-202
479709	TRIP BLANK



Case Narrative

Company: Haley & Aldrich Project: Coopervision Submission #: R2107810

H&A collected water samples on 7/18/01 and were received at CAS on the same day as sampled unbroken, packed in ice, at a cooler temperature of 9°C.

VOLATILE ORGANICS

Six water samples, including 1 Trip Blank were analyzed for the Target Compound List of Volatile Organics by Method 8260B from SW-846.

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.

All reference check recoveries were within limits.

The Laboratory Blanks associated with these analyses were free from contamination.

No other analytical or QC problems were encountered.



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

- N Spiked sample recovery not within control limits.
 (Flag the entire batch Inorganic analysis only)
- * Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS Lab ID # for State Certifications

NY ID # in Rochester: CT ID # in Rochester: MA ID # in Rochester: AIHA # in Rochester:

10145 PH0556 M-NY032 7889

NJ ID # in Rochester: 73004 RI ID # in Rochester: 158 NH ID # in Rochester: 294198-A

	VOLAT METHO Repor	TILE ORGANICS DD 8260B TCL ted: 08/07/01									
Project Reference: COOPERVISION #70665-006 Client Sample ID : MW-204											
Date Sampled : 07/18/01 08:4 Date Received: 07/18/01 Sub	45 Order #: 479702 omission #: R2107810	Sample Matrix: Analytical Run	WATER 67463								
ANALYTE	PQL	RESULT	UNITS								
DATE ANALYZED : 08/01/ ANALYTICAL DILUTION:	'01 1.00	<u>- X 191 01 02 02 10 02 02 00 00 00 00 00 00 00 00 00 00 00</u>									
ACETONE BENZENE BROMODICHLOROMETHANE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROETHANE CHLOROFORM CHLOROETHANE CHLOROETHANE CHLOROETHANE CHLOROETHENE CHLOROPROPANE TABLE CHLOROETHENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROPROPENE CHLOROETHE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L								
SURROGATE RECOVERIES	OC LIMITS	2.0 0	06/1								
-BROMOFLUOROBENZENE DLUENE-D8 BROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 99	olo olo								

COLUMBIA ANALYTICAL SERVICE	ES VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/07/01	
Haley & Aldrich of New York Project Reference: COOPERVI Client Sample ID : MW-203	SION #70665-006		
Date Sampled : 07/18/01 13:45 Date Received: 07/18/01 Subm	Order #: 479704 dission #: R2107810	Sample Matrix: Analytical Run	WATER 67463
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/01/0 ANALYTICAL DILUTION: 1	1 .00		- <u>Alaine - Alaine - Alaine - Alaine - Alaine -</u>
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFTHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE 1, 2-DICHLOROPROPANE CIS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1, 1, 2, 2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1, 1, 1-TRICHLOROETHANE 1, 1, 2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS	5.0 0	100/11
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	99 100 102	00 010 010

COMOMBIA ANALYTICAL SERVIC	ES	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/07/01	
Haley & Aldrich of New Yor Project Reference: COOPERV Client Sample ID : OW-304	k ISION #70665	-006		
Date Sampled : 07/18/01 14:5 Date Received: 07/18/01 Sub	5 Order #: 4 mission #: R:	79706 2107810	Sample Matrix: Analytical Run	WATER 67463
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/01/ ANALYTICAL DILUTION:	01 1.00			
ACETONE BENZENE BROMODICHLOROMETHANE		20 5.0 5.0	20 U 5.0 U 5.0 U	UG/L UG/L UG/L
BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE		5.0 5.0 10 10	5.0 U 5.0 U 10 U	UG/L UG/L UG/L
CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROEORM		5.0 5.0 5.0	5.0 U 5.0 U 5.0 U	UG/L UG/L UG/L
CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE		5.0 5.0 5.0 5.0	5.0 U 5.0 U 5.0 U 24	UG/L UG/L UG/L UG/L
1,1-DICHLOROETHANE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE		5.0 5.0 5.0 5.0	5.0 U 14 5.0 U 5.0 U	UG/L UG/L UG/L UG/L
I, 2-DICHLOROPROPANE CIS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE ETHYLBENZENE		5.0 5.0 5.0	5.0 U 5.0 U 5.0 U 5.0 U	UG/L UG/L UG/L
2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE		10 5.0 10	10 U 5.0 U 10 U	UG/L UG/L UG/L
1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE		5.0 5.0 5.0	5.0 U 5.0 U 5.0 U 5.0 U	UG/L UG/L UG/L UG/L
1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE		5.0 5.0 5.0 5.0	28 5.0 U 5.0 U 5.0 U	UG/L UG/L UG/L UG/L
O-XYLENE M+P-XYLENE		5.0 5.0	5.0 U 5.0 U	UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS			
4-BROMOFLUOROBENZENE FOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 (87 - 108 (86 - 117	용) 응) 응)	102 101 104	ala ala

-

	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/07/01	
Haley & Aldrich of New Yorl Project Reference: COOPERVI Client Sample ID : MW-402	c ISION #70665-006		
Date Sampled : 07/18/01 10:35 Date Received: 07/18/01 Subr	5 Order #: 479707 mission #: R2107810	Sample Matrix: Analytical Run	WATER 67463
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/01/0 ANALYTICAL DILUTION: 1)1 00		
ACETONE	20		
3ENZENE			
3ROMODICHLOROMETHANE			
BROMOFORM	5.U E A		
BROMOMETHANE	5.0		UG/L
2-BUTANONE (MEK)	5.0 1 A		UG/L UG/T
CARBON DISULFIDE	±0 1 0		UG/L
CARBON TETRACHLORIDE	E 0 T 0	TOD	UG/L
CHLOROBENZENE	5.0	5.0 U	UG/L
CHLOROETHANE	5.0	5.0 U	UG/L
CHIOROFORM	5.0	5.0 U	UG/L
HLOROMETHANE	5.0	5.0 Ŭ	UG/L
TBROMOCHLOROMETHANE	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
	5.0	5.0 U	UG/L
2 DICHLOROETHENE	5.0	5.0 U	UG/L
, Z - DICHLOKOPKOPANE	5.0	5.0 U	UG/L
15-1, 3-DICHLOROPROPENE	5.0	5.0 U	UG/L
KANS-1, 3-DICHLOROPROPENE	5.0	5.0 U	UG/L
INTERNATIONS	5.0	5.0 U	UG/L
	10	10 U	UG/L
BIHYLENE CHLORIDE	5.0	5.0 U	UG/L
-MEIHIL-Z-PENTANONE (MIBK)	10	10 U	UG/L
	5.0	5.0 U	UG/L
, 1, 2, 2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
ETRACHLOROETHENE	5.0	5.0 U	UG/L
OLUENE	5.0	5.0 U	UG/L
, 1, 1-TRICHLOROETHANE	5.0	5.0 U	UG/L
, 1, 2-TRICHLOROETHANE	5.0	5.0 U	UG/L
RICHLOROETHENE	5.0	5.0 Ū	UG/L
LNYL CHLORIDE	5.0	5.0 Ū	UG/I
-XYLENE	5.0	5.0 U	UG/L
+P-XYLENE	5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(87 - 111 %)	100	2
OLUENE-D8	(87 - 108)	700 700	б 0_

х х		VOLAT METHO Repor	ILE ORGANÍCS D 8260B TCL ted: 08/07/01	
Haley & Aldrich of New York Project Reference: COOPERVISION Client Sample ID : MW-202	f #7066	5-006		
Date Sampled : 07/18/01 11:45 Ord Date Received: 07/18/01 Submissi	er #: 4 on #: 1	479708 R2107810	Sample Matrix: Analytical Run	WATER 67463
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08/01/01 ANALYTICAL DILUTION: 1.00				
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFTHANE CHLOROFTHANE CHLOROFTHANE CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE FETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE D-XYLENE 4+P-XYLENE		20 5.0 5.0 5.0 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES QC	LIMITS	5		/ +-
-BROMOFLUOROBENZENE (87 COLUENE-D8 (87 DIBROMOFLUOROMETHANE (86	- 11: - 108 - 11:	- 1 응) 3 응) 7 응)	100 100 102	ato ato

COLUMBIA ANALYTICAL SERVIC	CES VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/07/01	
Haley & Aldrich of New Yor Project Reference: COOPERV Client Sample ID : TRIP BL	k ISION #70665-006 ANK		
Date Sampled : 07/18/01 Date Received: 07/18/01 Sub	Order #: 479709 mission #: R2107810	Sample Matrix: Analytical Run	WATER 167463
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 08/01/ ANALYTICAL DILUTION:	01 1.00		
ACETONE BENZENE BROMODI CHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE NICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE SURROGATE RECOVERIES	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \\ 5.0$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	102 99	ත්ත ත්ත ත්

17 3

VOLATILE ORGANICS METHOD: 8260B TCL

LABORATORY REFERENCE SPIKE SUMMARY

REFERENCE ORDER #: 483956	ANALYT	67463		
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS	
DATE ANALYZED : 8/ 1/2001 ANALYTICAL DILUTION: 1.0		,		
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFTHANE CHLOROFTHANE DIBROMOCHLOROMETHANE 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHENE CIS-1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE 1, 2-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE	$\begin{array}{c} 20.0\\$	67 107 100 95 110 83 95 107 105 107 105 107 103 117 97 111 100 107 100 103 105 98 98 98 107 88	50 - 150 70 - 130 70 - 130 70 - 130 50 - 150 50 - 150 50 - 150 70 - 130 70 -	
4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE	20.0 20.0 20.0 20.0 20.0	98 93 102 104 106	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	
TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	20.0 20.0 20.0 20.0 20.0 20.0	104 106 95 101 116 108	$70 - 130 \\ 70 - 100 \\ 70 - 100 $	

VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/17/01

Pro	ojeci	t Refer	ence	€:		
C1:	ient	Sample	ID	:	METHOD	BLANK
Date	Sam	pled :				Orde

Date Sampled : Date Received:	Order ‡ Submission ‡	: 483955 :	Sample Matrix: Analytical Run	WATER 67463
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 0 ANALYTICAL DILUTION:	8/01/01 1.00			
ACETONE		20	20 II	IIG/T
BENZENE		5.0	5011	
BROMODICHLOROMETHANE		5.0	5 0 11	
BROMOFORM		5.0	5.0 U	UG/L
BROMOMETHANE		5.0	5.0 II	UG/L
2-BUTANONE (MEK)		10		
CARBON DISULFIDE		10		
CARBON TETRACHLORIDE		5.0		
CHLOROBENZENE		5.0		
CHLOROETHANE		5.0		
CHLOROFORM		5.0		
CHLOROMETHANE		5.0	5 0 11	
DIBROMOCHLOROMETHANE		5.0	5.0 0	
1,1-DICHLOROETHANE		5 0	5.00	
1,2-DICHLOROETHANE		5.0	501	
1,1-DICHLOROETHENE		5.0	5.0 0	
CIS-1,2-DICHLOROETHENE		5.0	5.0 11	
TRANS-1,2-DICHLOROETHENE	B	5.0	5.0 0	
1,2-DICHLOROPROPANE		5.0	5.0 0	
CIS-1,3-DICHLOROPROPENE		5 0	5.0 0	
TRANS-1,3-DICHLOROPROPEN	IE	5.0	5 0 11	
ETHYLBENZENE		5.0	5.0 0	
2-HEXANONE		10		
METHYLENE CHLORIDE		5 0		
4-METHYL-2-PENTANONE (MI	BK)	10	10 11	
STYRENE		5 0		
L,1,2,2-TETRACHLOROETHAN	Е	5.0	5.0 11	
TETRACHLOROETHENE		5.0	501	
FOLUENE		5.0	5 0 11	
L, 1, 1-TRICHLOROETHANE		5.0	5 0 11	
1,2-TRICHLOROETHANE	•	5.0	501	
RICHLOROETHENE		5.0	5.0.0	
INYL CHLORIDE		5.0	5 0 U	UG/L LIC/L
)-XYLENE		5.0	5 0 U	
1+P-XYLENE		5.0	5.0 U	UG/L UG/L
SURROGATE RECOVERIES	QC LIM	IITS		
BROMOFLUOROBENZENE	(87 –	111 %)	99	9
OLUENE-D8	(87 -	108 %)	99	00
LBROMOFLUOROMETHANE	(86, -	117 %)	99	0

Analyncal HAIN JF USTURYLAUOFAN OFN ANAL/SIS REQUEST	
An Employee-Connect Compress. One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE	DF CAS Contact
Project Number Project Number 70 Lole 5-00 L ANALYSIS REQUESTED (Include Me	tod Number and Container Preservative)
Preservative Dick Report CC	
Cumpanymenters R R R R R R R R R R R R R R R R R R R	Device Key
200 Town Centre Drive Suite#a M / 3/ 3/ 2/ 2/ 2/ 2/ 3/	「日本」 「一本」 「 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「一本」 「 「 「 「 「 」 「 「 「 「 「 」 「 「 「 」 「 「 「 」
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359-4600 FAX 359 - 4600 FE 250 - 4600 FE 250 250 55 55 55 55 55 55 55 55 55 55 55 55 5	5.65/2.65 5.65/2.65 6.04 Selection 1
AN, Ward Barpler's Printed Name And rew Earloo 2 / 5 3/ 5 3/ 5 3/ 5 3/ 5 2/ 5 3/ 5 3/	ELT EL
CLIENT SAMPLE D LAB ID DATE TIME MATRIX	ALTERNATE DESCRIPTION
MW-204 NU-204 NV 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
MW-35 MM	
0 WD - 304 479 706 13 2	
WW-407-01 X E JE91 LOLDLA COH-ONW	
X 2 A 3/1 A 30 H A COR-ONW	
Million 7-10 × 1/18 William 3 × million 2 ×	
SPECIAL INSTRUCTIONS/COMMENTS TURNAROUND REQUIREMENTS REP	RT REQUIREMENTS INVOICE INFORMATION
	s Crity
<u>24 br</u> 48 hr 5 day 11 Res STANDARD (LCS,	s + CC Summarios PR MSMSD as required)
REQUESTED FAX DATE II. Re	Is + OC and Calibration BirL TO:
T-AV Dro 1.2.2. Month Prequested Report Date	Validation Report with Raw Data
ee OAPPV FIC INVIS.	lized Forms / Custom Report
MAPLE RECEIPT: CONDITION/COOLER TEMP: 74 CUSTODY SEALS: Y (1) Edate	Ves No SUBMISSION #:
	LINQUISHED BY RECEIVED BY
brange ter bands Signature Art March Signature Signature Signature	Signature
inted Name V Printed Name V Printed Name Printed Name Printed Name Printed Name	Printed Name
H & Firm C/S Firm Firm	viii Film
Thinkine White - Behine to Orienteepy value 1-to care to base 2 20 Used Time Date/Time Date/Time	Date/Time
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Project/Client	H+A			copt And Free	ervation Che	ek Form	n-min
	MI	10		······································	Submission 1	Number <u>NAII</u>	<u> 7010</u> .
Cooler received c	m + 8 - 01 by	r:XC		_COURIER:	CAS UPS	FEDEX CD	L CLIENT
 Were cust Were cust Did all bo Did any V Were Ice Where did Temperatu 	ody seals on outsid ody papers proper titles arrive in good OA vials have sign or Ice packs presen the bottles origina are of cooler(s) upo	de of co ly filled conditi ificant nt? te? on recei	out (in out (in ion (un air bub	nk, signed, etc.) broken)? bles?	?	YES NO VES NO YES NO YES NO N/ YES NO CAS/ROC	A
Is the temper	rature within 0° - 6° C	?:	•	Yes D Y	es 🗋 Vec		
If No, Expl	ain Below			No No			Yes 🗆
Date/Time	Temperatures Tak	en:	7-	18-01 0	, 17:03		No 🗆
Thermome	ter ID: IR-bu	~ ~	Temp	Blank Compl	2 17.00	1	
No			, cuib	Diank Saubi	e Bottle Coo	oler Temp. (IR	Gun
n out of Temperatur	e, Client Approval	to Run :	Sample	\$		· · ·	
 Were correct Air Samples Explain any discrept 	ct containers used f :: Cassettes / Tul ancies:	for the for the former that th	tests in test	dicated? Canisters Press	urized : Te	YES NO YES NO dlar® Bags Infla	ted N/A
		YES	NO	Sample LD.	Reagent	Vol. A	udded
pH	Reagent	<u> </u>	<u> </u>				
- 12	NaOH	ļ					
2	HNO3		 				
2	H2SO,						
Residual Chlorine (+/-)	for TCN & Phenol						
5-9*	P/PCBs (608 only)						
YES = All samples OK *If pH adjustment is requir VO (1	NO = Samp ed, use NaOH and/or H C Vial pH Verification ested after Analysis) Following Samples Evolution of P 2	xkes were "SO _d	preserv	ed at lab as listed	PC OK to a	idjust pH	
			**********			-	
	······	······				** *****	With the off Concession, strain and the operation of the
)ther Commenter							





H&A OF NY

AUG 2 3 2001

RECEIVED

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 21, 2001

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

PROJECT: COOPERVISION #70665-006 Submission #:R2107866

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

in boi) ion

Karen Bunker Project Manager

Enc.



1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	:	Haley	&	Aldri	ch	of	New	York
Project Reference	ï	COOPER	VI	SION	#70	665	-006	
Lab Submission #	:	R21078	66	5				
Reported	:	08/17/	01	•				

Report Contains a total of 11 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.



Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-006 Submission #: R2107866

H&A collected water samples on 7/20/01 and were received at CAS on the same day as sampled unbroken, packed in ice, at a cooler temperature of 0°C.

VOLATILE ORGANICS

Two water samples, including 1 Trip Blank were analyzed for the Target Compound List of Volatile Organics by Method 8260B from SW-846.

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.

Location OWS-302 (CAS Order # 480695) required a dilution. The initial analysis was outside the standard calibration curve for 1,1-Dichloroethane, which was flagged as "E". The sample was repeated at 1/2000. Both sets of data are included in the report package.

The Laboratory Blanks associated with these analyses were free from contamination.

No other analytical or QC problems were encountered.

INORGANICS

One water sample was submitted for analysis for the following list of parameters: Total Alkalinity by method 310.1, Chloride by IC method 300.0, Nitrate/Nitrite by method 353.1, Nitrite by method 353.2, Nitrate by calculation, Sulfate by IC method 300.0, Total Sulfide by Method 376.1, and the ICP Metals Iron and Manganese by Method 6010B.

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

No analytical problems were encountered.



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This report contains analytical results for the following samples: Submission #: R2107866

Lab ID	<u>Client ID</u>
480693	OWD-302
480694	OWD-302
480695	OWS-302
480697	TRIP BLANK



Effective 04/01/96

CAS LIST OF QUALIFIERS

(The basis of this proposal are the EPA-CLP Qualifiers)

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

J - Indicates an estimated value. For further explanation see case narrative / cover letter.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)
- * Duplicate analysis not within control limits.
 (Flag the entire batch Inorganic analysis only)
 - Also used to qualify Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS Lab ID # for State Certifications

CT ID # in Rochester: CT ID # in Rochester: MA ID # in Rochester: AIHA # in Rochester:	10145 PH0556 M-NY032 7889	NJ ID # in Rochester: RI ID # in Rochester: NH ID # in Rochester:	73004 158 294198-A
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Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** OWD-302

 Date Sampled : 07/20/01 10:30
 Order #: 480693
 Sample Matrix: WATER

 Date Received: 07/20/01
 Submission #: R2107866
 Sample Matrix: WATER

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE	300.0	0.100	55.1	MG/L	08/06/01	13:44	10.0
NITRATE NITROGEN	353.2	0.0500	0.102	MG/L			1.0
NITRATE/NITRITE NITROGEN	353+35	0.0500	0.204	MG/L	07/27/01	09:23	1.0
NITRITE NITROGEN	353.2	0.0100	0.102	MG/L	07/20/01	17:31	1.0
SULFATE	300.0	0.200	850	MG/L	08/07/01	11:10	100.0
TOTAL SULFIDE	376.1	1.00	1.00 U	MG/L	07/26/01	14:00	1.0

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Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** OWD-302

Date Sampled : 07/ Date Received: 07/	/20/01 10:30 /20/01	Order Submission	#: 480693 #: R2107866		Sample Matrix:	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON MANGANESE	6010B 6010B	0.100 0.0100	5.47 0.0589	MG/L MG/L	07/26/01 07/26/01	1.0 1.0

06

Reported: 08/17/01

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-006 **Client Sample ID :** OWD-302

Date Sampled : Date Received:	07/20/01 10:40 07/20/01) Orden Submission	#: 480694 #: R2107866		Sample Matr	ix: WATER	2
ANALYTE	METH	IOD PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
TOTAL ALKALINIT	¥ 310.	.1 2.00	86.0	MG/L	08/02/01	13:00	1.0

COLUMBIA ANALYTICAL SERVICI	<u>35</u>	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : OWS-302							
Date Sampled : 07/20/01 10:45 Date Received: 07/20/01 Subm	Order #: Mission #:	480695 R2107866	Sample Matrix: Analytical Run	WATER 68018			
ANALYTE		PQL	RESULT	UNITS			
DATE ANALYZED : 08/02/0 ANALYTICAL DILUTION: 500)1).00						
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROPTHENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE		$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
SURROGATE RECOVERIES	QC LIMI	TS					
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 1 (87 - 1 (86 - 1		99 100 103	alo alo alo			

COLUMBIA ANALYTICAL SERVICE	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : OWS-302						
Date Sampled : 07/20/01 10:45 Date Received: 07/20/01 Subm	5 Order #: 480695 mission #: R2107866	Sample Matrix: Analytical Run	WATER 68018			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/02/0 ANALYTICAL DILUTION: 2000	01 0.00	· · · · · · · · · · · · · · · · · · ·				
SENZENE ROMODICHLOROMETHANE ROMOFORM ROMOMETHANE -BUTANONE (MEK) ARBON DISULFIDE ARBON TETRACHLORIDE HLOROBENZENE HLOROETHANE HLOROFORM HLOROMETHANE IBROMOCHLOROMETHANE , 1 - DICHLOROETHANE , 2 - DICHLOROETHANE , 2 - DICHLOROETHENE RANS - 1, 2 - DICHLOROETHENE RANS - 1, 2 - DICHLOROETHENE , 2 - DICHLOROPROPANE IS - 1, 3 - DICHLOROPROPENE THYLBENZENE -HEXANONE ETHYLENE CHLORIDE -METHYL - 2 - PENTANONE (MIBK) TYRENE , 1, 2, 2 - TETRACHLOROETHANE ETRACHLOROETHENE OLUENE , 1, 1 - TRICHLOROETHANE , 1, 2 - TRICHLOROETHANE	5.0 5.0 5.0 10 10 10 5.0	10000 U 10000 U 10000 U 10000 U 20000 U 20000 U 20000 U 10000 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
INYL CHLORIDE -XYLENE +P-XYLENE	5.0 5.0 5.0 5.0	10000 U 10000 U 10000 U 10000 U	UG/L UG/L UG/L UG/L			
-BROMOFLUOROBENZENE	QC LIMITS (87 - 111 %)	102	00			

	VOL J METI Repo	ATILE ORGANICS HOD 8260B TCL orted: 08/17/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-006 Client Sample ID : TRIP BLANK						
Date Sampled : 07/20/01 Date Received: 07/20/01 Subm	Order #: 480697 mission #: R2107866	Sample Matrix: 5 Analytical Run	: WATER 1 68018			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 08/02/0 ANALYTICAL DILUTION:)1 L.00					
ACETONE	2(20 11	IIG/I			
BENZENE	5 () <u>50</u>				
BROMODICHLOROMETHANE	5.0		UG/Ц ПС/Т.			
BROMOFORM	5.0					
BROMOMETHANE	5.0					
2-BUTANONE (MEK)	1 (
CARBON DISULFIDE	1 () 10 II				
CARBON TETRACHLORIDE	5 (5 0 TT				
CHLOROBENZENE	5.0					
CHLOROETHANE	5.0					
CHLOROFORM	5.0					
CHLOROMETHANE	5.0					
DIBROMOCHLOROMETHANE						
L, 1-DICHLOROETHANE	5.0					
L, 2-DICHLOROETHANE	5.0					
L, 1-DICHLOROETHENE	5.0	5.00 5.017				
CIS-1,2-DICHLOROETHENE		5.0 U 5 A II				
FRANS-1,2-DICHLOROFTHENE						
L, 2-DICHLOROPROPANE	5.0	5.0 U 5 A II				
CIS-1,3-DICHLOROPROPENE	5.0					
FRANS-1, 3-DICHLOROPROPENE	5.0					
THYLBENZENE	5.0					
2-HEXANONE	10		IIC/I.			
ETHYLENE CHLORIDE	5 0	5 0 11	ЦС/Т.			
-METHYL-2-PENTANONE (MIBK)	10	10 II				
STYRENE	5.0	5_0 II	UG/I.			
,1,2,2-TETRACHLOROETHANE	5.0	5.0 IT	IIG/I.			
CETRACHLOROETHENE	5.0	5.0 II				
COLUENE	5.0	5.0 II				
,1,1-TRICHLOROETHANE	5.0	5 O II				
,1,2-TRICHLOROETHANE	5.0	5.0 II				
RICHLOROETHENE	5.0	5_0 II				
INYL CHLORIDE	5.0	5_0 II	UG/T.			
)-XYLENE	5.0	5.0 11	UG/T			
I+P-XYLENE	5.0	5.0 U	UG/L			
SURROGATE RECOVERIES	QC LIMITS	,				
-BROMOFLUOROBENZENE	(87 - 111 %)	100	oło			
OLUENE-D8	(87 - 108 %)	100	oto			
	(· · · ·				

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VOLATILE ORGANICS

METHOD 8260B TCL Reported: 08/17/01

Date Sampled : Date Received:	Order Submission	#: 486719 #:	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08	3/01/01	· · · ·		
ANALYTICAL DILUTION:	1.00			
ACETONE		20		
BENZENE		 		
BROMODICHLOROMETHANE		5.0	5.00	UG/L UC/T
BROMOFORM		5.0		
BROMOMETHANE		5.0	5.0 0	
2-BUTANONE (MEK)		10	3.0 U	
CARBON DISILIFIDE		10		
CARBON TETRACHLORIDE		τ Ο τ Ο		
CHLOROBENZENE		5.0		
CHLOROETHANE		5.0		
CHLOROFORM		5.0	5.0 0	
THLOROMETHANE		5.0		
TBROMOCHLOROMETHANE		5.0	5.00	
L. 1-DICHLOROETHANE		5.0	5.0 0	
1.2-DICHLOROETHANE		5.0	5 0 11	
1,1-DICHLOROETHENE		5.0	5.0 0	
CIS-1,2-DICHLOROETHENE		5.0	5 0 II	
FRANS-1,2-DICHLOROETHENE	1	5.0	5 0 U	
L,2-DICHLOROPROPANE		5.0	5 O U	
CIS-1,3-DICHLOROPROPENE		5.0	5.0 U	UG/L
FRANS-1,3-DICHLOROPROPEN	E	5.0	5.0 U	UG/L
THYLBENZENE	-	5.0	5 0 U	UG/L
2-HEXANONE		10	10 11	UG/L
AETHYLENE CHLORIDE		5.0	5.0 U	UG/L
A-METHYL-2-PENTANONE (MI	BK)	10	10 U	UG/L
STYRENE		5.0	5.0 Ŭ	UG/L
L, 1, 2, 2-TETRACHLOROETHAN	Έ	5.0	5.0 U	UG/L
TETRACHLOROETHENE		5.0	5.0 U	UG/L
COLUENE		5.0	5.0 U	UG/L
,1,1-TRICHLOROETHANE		5.0	5.0 U	UG/L
,1,2-TRICHLOROETHANE		5.0	5.0 U	UG/L
RICHLOROETHENE		5.0	5.0 U	UG/L
INYL CHLORIDE		5.0	5.0 U	UG/L
)-XYLENE		5.0	5.0 U	UG/L
I+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC I	IMITS		
-BROMOFLUOROBENZENE	(87	- 111 %)	98	00
COLUENE-D8	(87	- 108 %)	98	0 0
IBROMOFLUOROMETHANE	(86	- 117 %)	98	9
VOLATILE ORGANICS METHOD 8260B TCL Reported: 08/17/01

Project Reference: Client Sample ID : METHOD BLANK

Date Sampled : Date Received:	Order Submission	#: 486721 #:	Sample Matrix: Analytical Run	WATER 68018
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 08, ANALYTICAL DILUTION;	/02/01 1.00		anostadi yangan yang	
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM CHLOROFORM 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE 1, 2-DICHLOROPROPANE CIS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIB STYRENE 1, 1, 2, 2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1, 1, 1-TRICHLOROETHANE 1, 1, 2-TRICHLOROETHANE 1, 1, 2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	К)	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
4-BROMOFLUOROBENZENE	QC L:	LMITS	1.01	0
TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - (87 - (86	- 108 %) - 108 %) - 117 %)	101 101 101	२ २ २

CUSTU/LHUDRI NNALISIS REQUESTION S	lochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE LOF CF CF CF CAS Contact	tumber occontainer Preservative) المراقع		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Swith 2 It of of of of of of of of the of th	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	(c-359-4(650)) = (c-359-4(650)) = (c-359) =	s Printed Name 2 Control Bandon = 2 Control Control Control Rev Control Rev Control Rev Control Rev Control Rev Control Cont	SE ONLY SAMPLING ALTENVALE DESCRIFTION DATE TIME MATRIX ALTENVALE DESCRIFTION	79967:	13 7-2001 10:30 W 2	7-20-01 B:30 1 2	T-20-01:0:50	1 - 20-01 11:40 X	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	7-20-01 10:30 1 1 ×	1 - 20-21 V 2 X			24 hr 24 hr 5 day II. Pesults + QC Summaries PO#	REQUESTED FAX DATE III. Results + OC and Calibration BILL TO: CALA	Summaries		CLISTOTY SFAI STY AN Edata Ves No SUBMISSION #: A OD	ED BY RELINQUISHED BY RECEIVED BY RECEIVED BY RELINQUISHED BY RELINQUISHED BY	Signature Sporeture Sometitue	ACINSOA Printed Name Printed Name Printed North Printed Acting Signature	Firm Film Credit 1, Camera value Printed Name	Date/Time Date/Time Date/Time Date/Time Date/Time Date/Time	
Analytical UIAIN JF CUSTCU/ILNU	An Employee-Current Company One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 28 www.castab.com	Project Name CODOCVISION Project Number	Project Manager Virce Dick Report CC	Company/Address i Aldrich	Do Town Centre Dr. Swite 2	lotester, NY 14623	Phone # 7(6-359-9060 71(6-359-4(650	Sempler's Signature Are Bando Bando	FOR OFFICE USE ONLY SAMPLING LAB ID DATE TIME	And act the second of the seco	0W0-302 7480693 7-2001 10:30	000-303 71 (7-200/12:30	000-303 /)	0~0~302 1500 1500 1000 1000 1000 10000 10000 10000 10000 10000 10000 10000 10000 10000 10000 100000 100000 10000	02-303 USO647 7-20-0145	0w0-302 1 7-20-01 10:30	Trip Blank 48Udt 1 7-20-21	SPECIAL INSTRUCTIONS/COMMENTS	Metals Nortural Attenuation				San DAPP 17 Prelim.	SAMPLE RECEIPT: CONDITION/COOLER TEMP: C	RELINQUISHED BY RECEIVED BY RECEIVED BY RELINGUISHED BY RECEIVED B	Synature Synature Synature	Printed Name		Date/Time Detertime Detertime Detertime	



H&A OF NY

JAN 1 4 2002

A FULL SERVICE ENVIRONMENTALVEABORATORY

November 27, 2001

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

PROJECT: COOPERVISION #70665-007 Submission #:R2109126

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Karen Bunker Project Manager

Enc.

		Con	olumb ler Re	ia Analytical Second And Press	ervices Inc.	-	
Project/Client	Helf			prixing FIESE	Submission Mumber	Han Ra	177814
Cooler received or	n. 7/26/4 by	s//	HG_	_COURIER: (CAS UPS FEDE	EX CD&L CL	JENT
 Were custa Were custa Did all bot Did any Va Were Ice co Were Ice co Where did Temperatu 	ody seals on outsid ody papers proper tles arrive in good OA vials have sign or Ice packs prese the bottles origina re of cooler(s) upo	de of cc ly filled conditi ificant a nt? ite? on recei	oler? out (in on (un air bub pt:	nk, signed, etc.)? broken)? bbles?	YES YES YES CAS	NO NO NO NO NO ROC, CLIENT	
Is the temper	ature within 0° - 6° C	7:	-	Yes T Yes	□ Yes □	Yes D Yes D	
lf No, Expla	in Below			No 🗆 No			
Date/Time	Temperatures Tak	(en:		7/25/81	1700		
Thermomet	ter ID: <u>IR-G</u> un)	Temp	Blank Sample	Bottle Cooler Ten		
fout of Temperature	e Client Annual	4- D	· ·			Tr. Mr. Juni	
Were correc Air Samples xplain any discrepa	at containers used : Cassettes / Tui ancies:	for the t bes Inta	tests in Ict	idicated? Canisters Pressu	YES rized · Tedlar® F	Bags Inflated N	A
		YES	NÖ	Sample I.D.	Reagent	Vol Added	7
pH	· Reagent						
• 12	NaOH						
2	HNO3		V	480673	HNO3 Lat MITSODAL	3m1	1
2	H ₂ SO ₄	V			Int Oaven		
lesidual Chlorine (4/-)	for TCN & Phenol						1
5-9*	P/PCBs (608 only)				· ·		1 -
S = All samples OK pH adjustment is require	NO = Sam	ples were	preserv	od at lab as listed	PC OK to adjust pH		1
VO (1	C Vial pH Verification ested after Analysis) Following Samples Exhibited pH > 2						
. 1							
							-
							-
her Commenter							-

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1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client :	Haley & Aldrich of New York
Project Reference:	COOPERVISION #70665-007
Lab Submission # :	R2109126
Reported :	11/27/01

Report Contains a total of <u>40</u> 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. Muluit Jerry

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502299

This	report contains ana	lytical results for the following samples:
		Submission #: R2109126
^	<u>Lab ID</u>	<u>Client ID</u>
, 	502283	MW-2
-1	502284	MW-205
	502285	OWD-302D
7	502286	OWD-302S
	502287	MW-502 ·
-1	502288	MW-401 ·
	502289	MW-402
	502292	MW-501
<u>_</u>	502294	MW-202 \
یــ	502295	MW-304

MW-203 '

MW-204



Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-007 Submission #: R2109126

H&A collected water samples on 10/18/01. Samples were received at CAS on the same day as sampled, unbroken, packed in ice, at a cooler temperature of 2°C.

GC/MS VOLATILE ORGANICS

Twelve water samples were analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

All Tuning criteria for BFB were within limits.

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

Surrogate standard recoveries were within acceptance limits.

Several samples required dilutions to bring compounds within the calibration range of the standards. The data has been flagged as "E" for these compounds. The samples were repeated at appropriate dilutions. Both sets of data are included in the report package.

The Laboratory Blanks associated with these analyses were free from contamination.

The samples were run within the 14 day holding time for preserved sample vials for the method.

No other analytical or QC problems were encountered.

GC Volatile Organics

Five water samples were analyzed for Ethane, Ethene, Methane and Propane by modified GC method RSK-175.

All associated QC was within limits for these samples.

Samples were run within holding time for the method.

The Method Blank was free from contamination.

No problems were encountered during the analysis.

Page 2 R2109126 Continued

Inorganic Analyses

Four water samples were submitted for analysis for the following list of parameters: Chloride by IC method 300.0, Nitrate by method 300.0, Nitrite by method 353.2, Sulfate by IC method 300.0, Dissolved Organic Carbon by method 415.1, Alkalinity by method 310.1, and Sulfide by method 376.1. Three of the above locations also required total Iron by ICP Method 6010B.

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

For location MW-501 (CAS Order # 502292), the Sulfide result is flagged as an estimate because it reflects only the supernatant portion of the sample. The precipitate portion resembled "muddy water", therefore no color change could be seen to determine the endpoint in the titration.

No other analytical problems were encountered.



Effective 10/26/01

CAS LIST OF QUALIFIERS

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)

* - Inorganic Duplicate analysis not within control limits. Flag the entire batch - Inorganic analysis only

- * Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited New York ID # 10145 Connecticut ID # PH0556 Massachusetts ID # M-NY032 American Industrial Hygiene Assoc. ID #:100314 Navy Facilities Engineering Service Center Approved Delaware Accredited New Jersey ID # 73004 Rhode Island ID # 158 New Hampshire ID # 294100 A/B West Virginia ID # 292 Florida ID # E87674



COLUMBIA ANALYTICAL SERVICES	VOLATI METHOI Report	ILE ORGANICS 0 8260B TCL ced: 11/29/01	
Project Reference: COOPERVISION #7 Client Sample ID : MW-2 Date Sampled : 10/18/01 Order	0665-007 #: 502283 #: R2109126	Sample Matrix: W Analytical Run 7	WATER 70630
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/26/01 - ANALYTICAL DILUTION: 25.00		<u></u>	
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROFTHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE VINYL CHLORIDE O-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	500 U 130 U 130 U 130 U 130 U 250 U 250 U 130 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIESQC L.4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	- 111 %) - 108 %) - 107 %)	105 100 97	ata ata ata

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Reported: 11/27/01

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aley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-205

Date Sampled : 10/18/01 Order #: 502284 Sample Date Received: 10/18/01 Submission #: R2109126 Sample						ple Matrix: WATER			
 	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION		
	300.0	0.100	708	MG/L	11/20/01	12:17	100.0		
DISSOLVED ORGANIC CAR	BONS 415.1.	1.00	55.2	MG/L	11/20/01	18:27	10.0		
TITRATE NITROGEN	300.0	0.0500	0.500 U	MG/L	10/19/01	14:57	10.0		
ITTRITE NITROGEN	353.2	0.0100	0.0100 U	MG/L	10/19/01	08:27	1.0		
SILFATE	300.0	0.200	91.0	MG/L	11/20/01	12:05	20.0		
-WOTAL ALKALINTTY	310.1	2.00	378	MG/L	11/20/01	15:00	1.0		
OTAL SULFIDE	376.1	1.00	1.00 U	MG/L	10/22/01	15:15	1.0		

Reported: 11/27/01

naley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Tlient Sample ID : MW-205 ______ Sample Matrix: WATER Order #: 502284 Date Sampled : 10/18/01 Submission #: R2109126 DATE DILUTION ANALYZED RESULT UNITS PQLMETHOD NALYTE 1.0 10/29/01 47.3 MG/L 6010B 0.100 IRON = لمسرر -_____ ____ Ι, ن_ ٠.. ----08

COLUMBIA ANALYTICAL SERVICES			VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION # Client Sample ID : MW-205	706	65-00)7		
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	#: #:	502: R21	284 09126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE			PQL	RESULT	UNITS
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 250.00					
BENZENE BROMODICHLOROMETHANE BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1, 1-DICHLOROETHANE 1, 2-DICHLOROETHANE 1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE TRANS-1, 2-DICHLOROETHENE TRANS-1, 3-DICHLOROPENE TRANS-1, 3-DICHLOROPROPENE TRANS-1, 3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1, 1, 2, 2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1, 1, 2-TRICHLOROETHANE 1, 1, 2-TRICHLOROETHANE			5.00 5.00 100000000000000000000000000000	1300 U 1300 U 1300 U 1300 U 2500 U 2500 U 1300 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
VINYL CHLORIDE - O-XYLENE M+P-XYLENE			5.0 5.0	1300 U 1300 U 1300 U	UG/L UG/L
SURROGATE RECOVERIES	LII	MITS			
- 4 - BROMOFLUOROBENZENE(87TOLUENE - D8(87DIBROMOFLUOROMETHANE(86	- - -	111 108 117	웅) 웅) 웅)	104 98 88	ala ale ale

COLUMBIA ANALYTICAL SERVICES	<u>5</u>	VOLATI METHOI Report	I LE ORGANICS D 8260B TCL Led: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-205	SION #70665-	007		
Date Sampled : 10/18/01 Date Received: 10/18/01 Subm:	Order #: 50 ission #: R2	2284 109126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 11/01/03 ANALYTICAL DILUTION: 1000	1 .00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE 1.1-DICHLOROETHANE 1.2-DICHLOROETHANE 1.2-DICHLOROETHANE 1.2-DICHLOROETHENE CIS-1.2-DICHLOROETHENE CIS-1.3-DICHLOROETHENE CIS-1.3-DICHLOROPROPENE TRANS-1.2-DICHLOROPROPENE TRANS-1.3-DICHLOROPROPENE TRANS-1.3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1.1.2.TRICHLOROETHANE TETRACHLOROETHENE TOLUENE 1.1.1-TRICHLOROETHANE 1.1.2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE M+P-XYLENE	QC LIMITS	20 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.	$\begin{array}{c} 20000 \ U \\ 5000 \ U \\ 5000 \ U \\ 5000 \ U \\ 5000 \ U \\ 10000 \ U \\ 10000 \ U \\ 5000 \ U \ U \\ 5000 \ U \ U \\ 5000 \ U \ U \ U \ U \ U \ U \ U \ U \ U $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS (87 - 111	5 - L 8) 5 2\	84	24 24
TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 108 (86 - 117	5 8) 7 8)	87 87	ъ 8

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COLUMBIA ANALYTICAL SER	VICES	VOLATI METHOD Report	LE ORGANICS MODIFIED RSK-17 ed: 11/27/01	5
Haley & Aldrich of New Project Reference: COOF Client Sample ID : MW-2	York PERVISION #70665 205	-007		
Date Sampled : 10/18/01 Date Received: 10/18/01	Order #: 5 Submission #: R	02284 2109126	Sample Matrix: Analytical Run	WATER 70753
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 10/ ANALYTICAL DILUTION:	/25/01 1.00			
ETHANE ETHYLENE METHANE PROPANE		1.0 1.0 2.0 1.0	8.4 2.4 5.3 1.0 U	UG/L UG/L UG/L UG/L
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Reported: 11/27/01

aley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Tlient Sample ID : OWD-302D

Date Sampled : 10/1	: 10/18/01 Order #: 502285 Sample Matrix: WATER					
Tate Received: 10/1	d: 10/18/01 Submission #: R2109126					
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED	DILUTION
CHLORIDE	300.0	0.100	37.2	MG/L	10/19/01 15:09	10.0
DISSOLVED ORGANIC C	CARBONS 415.1.	1.00	16.8	MG/L	11/20/01 18:12	1.0
ITRATE NITROGEN	300.0	0.0500	0.500 U	MG/L	10/19/01 15:09	10.0
WITRITE NITROGEN	353.2	0.0100	0.0823	MG/L	10/19/01 08:27	1.0
SULFATE	300.0	0.200	740	MG/L	11/20/01 12:30	100.0
OTAL SULFIDE	376.1	1.00	1.00 U	MG/L	10/22/01 15:15	1.0

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COLUMBIA ANALITICAL SERVICES		VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION Client Sample ID : OWD-302D	#706	65-00 7		
Date Sampled : 10/18/01 Orde: Date Received: 10/18/01 Submission	r #: a #:	502285 R2109126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 1.00	_			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TOLUENE 1,1,1-TRICHLOROETHANE TRICHLOROETHENE TRICHLOROETHENE TRICHLOROETHENE		5.0 5.0 5.0 5.0 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	5.0 U 5.0 U 5.0 U 5.0 U 10 U 5.0 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
O-XYLENE M+P-XYLENE SURROGATE RECOVERIES	LIM	5.0 5.0 1ITS	5.0 U 5.0 U	UG/L UG/L
4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	-	111 %) 108 %) 117 %)	104 100 95	₽0 90 90

COLUMBIA ANALYTICAL SERVICES	VOLATI METHOL Report	LE ORGANICS 0 8260B TCL ced: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION # Client Sample ID : OWD-302D	¥70665-007		
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	r #: 502285 n #: R2109126	Sample Matrix: Analytical Run	WATER 70630
- ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 11/01/01 ANALYTICAL DILUTION: 10.00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES QC	LIMITS		
4 - BROMOFLUOROBENZENE(87TOLUENE - D8(87DIBROMOFLUOROMETHANE(86	7 - 111 %) 7 - 108 %) 5 - 117 %)	87 90 89	અન્ અન્ અ

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COLUMBIA ANALYTICAL SE	RVICES		VOLATI METHOL Report	ILE ORGANICS D MODIFIED RSK-17 Led: 11/27/01	5
Haley & Aldrich of New Project Reference: COC Client Sample ID : OWI	V York PERVISION #7)-302D	066	5-007		
	Order Submission	#: #:	502285 R2109126	Sample Matrix: Analytical Run	WATER 70753
ANALYTE			PQL	RESULT	UNITS
- DATE ANALYZED : 10 ANALYTICAL DILUTION:)/25/01 1.00				
ETHANE ETHYLENE METHANE PROPANE			1.0 1.0 2.0 1.0	4.5 1.0 U 16 1.4	UG/L UG/L UG/L UG/L
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Reported: 11/27/01

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Laley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Flient Sample ID : OWD-302S

ate Sampled : 10/18/ ate Received: 10/18/	'01 '01 S	Order ubmission	#: 502286 #: R2109126		Sample Matrix: WATE	SR
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZEJ	DILUTION
OTAL SULFIDE	376.1	1.00	3.00	MG/L	10/22/01 15:15	1.0
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COLUMBIA ANALYTICAL SERVICES		VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01		
Haley & Aldrich of New York Project Reference: COOPERVISION #70 Client Sample ID : OW9-302S	060	55-007			
Date Sampled : 10/18/01 Order : -Date Received: 10/18/01 Submission :	#: #:	502286 R2109126	Sample Matrix: Analytical Run	WATER 70630	
ANALYTE		PQL	RESULT	UNITS	
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 250.00	-		· .		
BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROFORM CHLOROMETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TTRACHLOROETHENE 1,1,1-TRICHLOROETHANE 1,1,1-TRICHLOROETHANE 1,1,1-TRICHLOROETHANE		5.0 5.0 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	1300 U 1300 U 1300 U 1300 U 2500 U 2500 U 1300 U	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L	·
TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE SURROGATE RECOVERIES OC L	IM	5.0 5.0 5.0 5.0	1300 U 1300 U 1300 U 1300 U	UG/L UG/L UG/L UG/L	
4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	-	111 %) 108 %) 117 %)	105 99 97	අප අප අප	

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COLUMBIA ANALYTICAL SERVICES		VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : OW9-302S								
Date Sampled : 10/18/01 Ord Date Received: 10/18/01 Submiss	der #: ion #:	502286 R2109126	Sample Matrix: Analytical Run	WATER 70630				
ANALYTE		PQL	RESULT	UNITS				
DATE ANALYZED : 11/01/01 ANALYTICAL DILUTION: 1000.00				. ·				
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TOLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0-XYLENE		5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0	$\begin{array}{c} 5000 \ U \\ 5000 \ U \\ 5000 \ U \\ 5000 \ U \\ 10000 \ U \\ 10000 \ U \\ 5000 \ U \ U \\ 5000 \ U \ U \ U \ U \ U \ U \ U \ U \ U $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L				
M+P-XYLENE	OC LIN	5.0 4ITS	5000 0	09/11				
- 4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - (87 - (86 -	111 %) 108 %) 117 %)	89 90 90	સ સ સ				

Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007	
- Client Sample ID : OwD-3025	
Date Sampled : 10/18/01 Order #: 502286 Sample Matrix: WATE Date Received: 10/18/01 Submission #: R2109126 Analytical Run 707	3R 53
PQL RESULT	JNITS
DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00	
ETHANE1.07.9UÉTHYLENE1.07.5UMETHANE2.02.0 UUPROPANE1.0 UU	G/L G/L G/L G/L
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Reported: 11/27/01

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naley & Aldrich of New York Project Reference: COOPERVISION #70665-007 "lient Sample ID : MW-502

Date Sampled : 10/17/01 Tate Received: 10/18/01	s	Order	#: 502287 #: R2109126	1	Sample Matr	ix: WATER	
	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
CHLORIDE PISSOLVED ORGANIC CARBO ITRATE NITROGEN NITRITE NITROGEN SULFATE OTAL ALKALINITY	300.0 NS 415.1. 300.0 353.2 300.0 310.1 376.1	0.100 1.00 0.0500 0.0100 0.200 2.00 1.00	241 26.7 0.859 0.0100 U 56.2 94.4 1.28	MG/L MG/L MG/L MG/L MG/L MG/L MG/L	11/01/01 11/06/01 10/19/01 10/19/01 10/19/01 10/29/01 10/22/01	02:29 16:54 17:14 08:27 17:14 16:30 15:15	40.0 1.0 10.0 1.0 10.0 1.0 1.0

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Reported: 11/27/01

Taley & Aldrich of New York roject Reference: COOPERVISION #70665-007 lient Sample ID : MW-502

)ate Sampled : 10/17/01 ate Received: 10/18/01	S	Order : ubmission :	#: 502287 #: R2109126	e	ample Matrix: W	ATER
	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
	6010B	0.100	4.96	MG/L	10/29/01	1.0
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COLUMBIA ANALYTICAL SERVICES		VOLATI METHOI Report	LE ORGANICS 0 8260B TCL ed: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISIO Client Sample ID : MW-502	N #70665-0	07		
Date Sampled : 10/17/01 Or Date Received: 10/18/01 Submiss	der #: 502 ion #: R21	287 09126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
- DATE ANALYZED : 10/30/01 ANALYTICAL DILUTION: 100.00				
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TOLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE VINYL CHLORIDE - A+P-XYLENE MHP-XYLENE		20 5.00 5.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS		07	9
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111) (87 - 108) (86 - 117)	४) २) २)	87 92 90	90 96 94

Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample d: 10/17/01 Order #: 502287 Date Sampled: 10/18/01 Submission #: R2109126 Analytical Run 70753 ANALYTE PQL RESULT UNITS - DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00 ETHANE 1.0 24 UG/L ETHYLENE 1.0 6.6 UG/L METHANE 1.0 4.8 UG/L PROPANE 1.0 4.8 UG/L	COLUMBIA ANALYTICAL SERVICES	VOLATI METHOD Report	LE ORGANICS MODIFIED RSK-17 ed: 11/27/01	5
Date Sampled : 10/17/01 Order #: 502287 Sample Matrix: WATER Date Received: 10/18/01 Submission #: R2109126 Analytical Run 70753 ANALYTE PQL RESULT UNITS DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00 24 UG/L ETHANE 1.0 2.0 18 UG/L PROPANE 1.0 4.8 UG/L	Haley & Aldrich of New York Project Reference: COOPERVISION #706 Client Sample ID : MW-502	65-007		
ANALYTE PQL RESULT UNITS DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00 1.0 24 UG/L ETHANE 1.0 6.6 UG/L PROPANE 1.0 4.8 UG/L	Date Sampled : 10/17/01 Order #: Date Received: 10/18/01 Submission #:	502287 R2109126	Sample Matrix: Analytical Run	WATER 70753
DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00 FTHANE 1.0 6.6 UG/L ETHILENE 2.0 18 UG/L METHANE 2.0 18 UG/L PROPANE 1.0 4.8 UG/L	_ ANALYTE	PQL	RESULT	UNITS
ETHANE 1.0 24 UG/L ETHYLENE 1.0 6.6 UG/L METHANE 1.0 18 UG/L PROPANE 1.0 4.8 UG/L	- DATE ANALYZED : 10/25/01 ANALYTICAL DILUTION: 1.00			
	_ETHANE ETHYLENE -METHANE PROPANE	1.0 1.0 2.0 1.0	24 6.6 18 4.8	UG/L UG/L UG/L UG/L
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23				23

COLUMBIA ANALYTICAL SERVICES	VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION #70 Client Sample ID : MW-401	0665-007		
Date Sampled : 10/17/01 Order : 0ate Received: 10/18/01 Submission	⊭: 502288 ⊭: R2109126	Sample Matrix: Analytical Run	WATER 70630
- ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/30/01 ANALYTICAL DILUTION: 2.50			ug/L
ACETONE BENZENE BROMODICHLOROMETHANE BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE 1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,2-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TTYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TOLUENE 1,1,2-TRICHLOROETHANE	5.0 5.0 5.0 5.0 10 10 5.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES QC	LIMITS		
4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	- 111 %) - 108 %) - 117 %)	93 94 93	00 00 00

COLUMBIA ANALYTICAL SERVICES	VOLA: METHO Repo:	TILE ORGANICS DD 8260B TCL rted: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION Client Sample ID : MW-402	1 #70665-007		
Date Sampled : 10/17/01 Ord Date Received: 10/18/01 Submissi	ler #: 502289 on #: R2109126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 1.00			
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2-TETRACHLOROETHANE TOLUENE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0-XYLENE M+P-XYLENE	20 5.0 5.0 5.0 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	$\begin{array}{c} 20 \ \mathrm{U} \\ 5.0 \ \mathrm{U} \\ 10 \ \mathrm{U} \\ 10 \ \mathrm{U} \\ 5.0 \ \mathrm{U} \ \mathrm{U} \\ 5.0 \ \mathrm{U} \ \mathrm{U} \\ 5.0 \ \mathrm{U} \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIES 4-BROMOFLUOROBENZENE TOLUENE-D8	QC LIMITS (87 - 111 %) (87 - 108 %)	108 101 96	રુ સ્ટ

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Reported: 11/27/01

dley & Aldrich of New York roject Reference: COOPERVISION #70665-007 Nient Sample ID : MW-501

ate Sampled : 10/17/0 Tte Received: 10/18/0	1 1 S	Order ubmission	#: 502292 #: R2109126	Sample Matrix: WATER			
NALYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTION	1	
			95 6	MG/I.	10/19/01 17:26 10.0		
HLORIDE	300.0	0.100	05.0	MC /T	11/06/01 18:09 10.0		
ALSSOLVED ORGANIC CARB	ONS 415.1.	1.00	14⊥	14671			
TTRATE NITROGEN	300.0	0.0500	0.634	MG/L	10/19/01 17:26 10.0		
	353 2	0.0100	0.159	MG/L	10/19/01 08:27 1.0		
ITRIE NIROGEN	200.2	0 200	21 5	MG/L	10/19/01 17:26 10.0		
JULFATE	300.0	0.200	21,0	ме / т	10/29/01 16.30 1.0		
OTAL ALKALINITY	310.1	2.00	101				
OTAL SULFIDE	376.1	1.00	1.18 J	MG/L			

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Reported: 11/27/01

raley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Flient Sample ID : MW-501

Date Sampled : 10/17/03 Tate Received: 10/18/03	1 1 S	Order ubmission	#: 502292 #: R2109126		Sample Matrix: N	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	662	MG/L	10/29/01	5.0
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COTOWRIN WARTIICHT PERATORS	VOLAT: METHOI Report	ILE ORGANICS D 8260B TCL ced: 11/29/01					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-501							
Date Sampled : 10/17/01 (Date Received: 10/18/01 Submis	Drder #: 502292 ssion #: R2109126	Sample Matrix: Analytical Run	WATER 70630				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 10/30/01 ANALYTICAL DILUTION: 1.	00						
	20	20 U	UG/L				
ACETONE	5 0	5.0 U	UG/L				
3ENZENE	5.0	5.0 U	UG/L				
BROMODICHLOROMETHANE	5.0	5.0 U	UG/L				
BROMOFORM	5.0	5.0 U	UG/L				
BROMOMETHANE	10	10 U	UG/L				
2-BUTANONE (MEK)	10	10 U	UG/L				
CARBON DISULFIDE	5.0	5.0 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 CHLOROFORM	5.0	5.0 U	UG/L				
CHLOROMETHANE	5.0	5.0 U	UG/L				
	5.0	55	UG/L				
1 2-DICHLOROETHANE	5.0	5.0 0	UG/L				
1 1-DTCHLOROETHENE	5.0	5.0 U					
CIS-1, 2-DICHLOROETHENE	5.0	5.0 0					
TRANS-1,2-DICHLOROETHENE	5.0	5.0 0					
1.2-DICHLOROPROPANE	5.0	5.0 0					
CIS-1, 3-DICHLOROPROPENE	5.0	5.00					
TRANS-1,3-DICHLOROPROPENE	5.0	5.00					
ETHYLBENZENE	5.0	10 II	UG/L				
2-HEXANONE	Z 0 TO	5,0 U	ŬG/L				
METHYLENE CHLORIDE	10	10 U	UG/L				
4-METHYL-2-PENTANONE (MIBK)	5 0	5.0 U	UG/L				
STYRENE	5.0	5.0 Ŭ	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-TRICHLOROEINANE	5.0	5.0 U	UG/L				
TRICHLOROETHENE	5.0	5.0 U	UG/L				
VINIT CHTOKIDE	5.0	5.0 U	UG/L				
M+P-XYLENE	5.0	5.0 U	UG/L				
SURROGATE RECOVERIES	QC LIMITS						
	(87 - 111 %)	95	% %				
4-BROMOLTOOKOBENGENE	$(87 - 108 \ \%)$	94	olo				
TOPORE-DA	(86 - 117)	88	Po				

	<u>COLUMBIA ANA</u>	LYTICAL SE	RVICES	VOLATI METHOI Report	LE ORGANICS MODIFIED RSK-1 ed: 11/27/01	75		
	Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-501							
י ר	Date Sampled : Date Received:	10/17/01 10/18/01	Order : Submission :	#: 502292 #: R2109126	Sample Matrix: Analytical Run	WATER 70753		
: 	ANALYTE			PQL	RESULT	UNITS		
r	DATE ANALYZED ANALYTICAL DI	: 10 LUTION:)/25/01 1.00					
ل ا	ETHANE ETHYLENE METHANE PROPANE			1.0 1.0 2.0 1.0	4.0 1.4 18 1.0 U	UG/L UG/L UG/L UG/L		
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COLUMBIA.ANALYTICAL SERVICES	VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-202							
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	: #: 502294 1 #: R2109126	Sample Matrix: Analytical Run	WATER 70630				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 1.00							
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2 - BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1 - DICHLOROETHANE 1,2 - DICHLOROETHANE 1,2 - DICHLOROETHENE TRANS - 1,2 - DICHLOROETHENE 1,2 - DICHLOROPROPANE CIS - 1,3 - DICHLOROPROPENE TRANS - 1,3 - DICHLOROPROPENE TRANS - 1,3 - DICHLOROPROPENE ETHYLBENZENE 2 - HEXANONE METHYLENE CHLORIDE 4 - METHYL- 2 - PENTANONE (MIBK) STYRENE 1,1,2 - TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,2 - TRICHLOROETHANE 1,1,2 - TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE 0 - XYLENE M+P - XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \\ \mbox{ U} \\ 5.0 \\ \mbox{ U} \\ 10 \\ \mbox{ U} \\ 10 \\ \mbox{ U} \\ 10 \\ \mbox{ U} \\ 5.0 \\ \mbox{ U} \\ \mbox{ U} \\ 5.0 \\ \mbox{ U} \\ \mbox{ U}$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L				
SURROGATE RECOVERIES		104	e.				
- 4 - BROMOFLUOROBENZENE(87TOLUENE - D8(87DIBROMOFLUOROMETHANE(86	7 - 111 %) 7 - 108 %) 5 - 117 %)	104 101 96	रू २० २०				

COLUMBIA ANALYTICAL SERVICES		VOLATI METHOI Report	LE ORGANICS 8260B TCL ed: 11/29/01				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-304							
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	#: 5 #: R	02295 2109126	Sample Matrix: Analytical Run	WATER 70630			
ANALYTE	·	PQL	RESULT	UNITS			
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 1.00							
ACETONE JENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2-TETRACHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE		20 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.	$\begin{array}{c} 20 \\ 0 \\ 5.0 \\ 0 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10 \\ 1$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
M+P-XYLENE SURROGATE RECOVERIES OC	LIMIT	5.0 5.0	5.0 U	UG/L			
Jerkkooria20J4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	- 11 - 10 - 11	.1 %))8 %) 17 %)	107 99 96	ato ato ato			

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COLUMBIA ANALYTICAL SERVICES	VOLAT METHOI Report	ILE ORGANICS D 8260B TCL ted: 11/29/01					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-203							
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	: #: 502298 1 #: R2109126	Sample Matrix: Analytical Run	WATER 70630				
ANALYTE	· PQL	RESULT	UNITS				
DATE ANALYZED : 10/30/01 ANALYTICAL DILUTION: . 1.00							
λατηγικά	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 DISHLETDE	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 0	UG/L				
1,1,1-TRICHLOROETHANE	5.0	5.0 U	UG/Ц 110/1				
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/Ц 110/Т				
TRICHLOROETHENE	5.0	5.0 U					
VINYL CHLORIDE	5.0	5.0 U					
O-XYLENE	5.0		UG/11				
M+P-XYLENE	5.0	5.0 0	1000				
SURROGATE RECOVERIES QC	LIMITS						
SURROGATE RECOVERIES QC 4-BROMOFLUOROBENZENE (87	LIMITS - 111 %)	92	o oto				
SURROGATE RECOVERIESQC4-BROMOFLUOROBENZENE(87TOLUENE-D8(87	LIMITS - 111 %) - 108 %)	92 92	ato ato a				

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COLUMBIA ANALYTICAL SERVICES		VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/29/01	
Haley & Aldrich of New York Project Reference: COOPERVISION # Client Sample ID : MW-204	70665-00)7		
Date Sampled : 10/18/01 Order Date Received: 10/18/01 Submission	: #: 5022 1 #: R210	99 9126	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 10/26/01 ANALYTICAL DILUTION: 1.00				
_BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE JTOLUENE		5.000000000000000000000000000000000000	$\begin{array}{c} 5.0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE		5.0 5.0 5.0 5.0 5.0 5.0	22 5.0 U 5.0 U 5.0 U 5.0 U 5.0 U	UG/L UG/L UG/L UG/L UG/L UG/L
SURROGATE RECOVERIESQC4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	LIMITS - 111 ⁴ - 108 ⁴ - 117 ⁴	\$) \$) \$)	105 101 95	તુન અ અ

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COLUMBIA_	ANALYTICAL	SERVICES

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VOLATILE ORGANICS METHOD 8260B TCL Reported: 11/29/01

Date Sampled : Date Received:	Order # Submission #	: 504556 :	Sample Matrix: Analytical Rur	WATER 1 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 10	0/26/01		· · · · · ·	<u>.</u>
ANALYTICAL DILUTION:	1.00			
ACETONE		20		
BENZENE		∠0 5 0		UG/L
BROMODICHLOROMETHANE		5.0	5.0 U 5.0 T	UG/L
BROMOFORM		5.0	5.00	
BROMOMETHANE		5.0	5.00	
2-BUTANONE (MEK)		2.U 10	D.U U 10 TT	
CARBON DISULFIDE		10		
CARBON TETRACHLORIDE		ς Σ		
CHLOROBENZENE		5.0	5.00 5.017	
CHLOROETHANE		5.0	500	
CHLOROFORM		5.0	501	
CHLOROMETHANE		5.0	500	
DIBROMOCHLOROMETHANE		5.0	500	
1,1-DICHLOROETHANE		5.0	500	
1,2-DICHLOROETHANE		5.0	5.0 U	
1,1-DICHLOROETHENE		5.0	5.0 U	
CIS-1,2-DICHLOROETHENE		5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROETHENE		5.0	5.0 U	
1,2-DICHLOROPROPANE		5.0	5.0 U	
CIS-1,3-DICHLOROPROPENE		5.0	5.0 U	
TRANS-1,3-DICHLOROPROPEN	E	5.0	5.0 U	
ETHYLBENZENE		5.0	5.0 U	
2 - HEXANONE		10	10 U	UG/L
METHYLENE CHLORIDE		5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (MI	BK)	10	10 U	UG/L
STYRENE		5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHAN	E	5.0	5.0 U	UG/L
FETRACHLOROETHENE		5.0	5.0 U	UG/L
FOLUENE		5.0	5.0 U	UG/L
L, 1, 1-TRICHLOROETHANE		5.0	5.0 U	UG/L
L, 1, 2-TRICHLOROETHANE		5.0	5.0 U	UG/L
RICHLOROETHENE		5.0	5.0 U	UG/L
LNYL CHLORIDE		5.0	5.0 U	UG/L
)-XYLENE		5.0	5.0 U	UG/L
1+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LIM	ITS		
-BROMOFLUOROBENZENE	(87 -	111 %)	100	e.
	(07 -	ㅗㅗㅗ 70/	T03	5
OLUENE - D8	(87 _	108 2)	100	e.

		VOLAT METHO Report	ILE ORGANICS D 8260B TCL Led: 11/29/01	
Project Reference: Client Sample ID : ME	THOD BLANK			
Date Sampled : Date Received:	Order Submission	‡: 506115 ‡:	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 1 ANALYTICAL DILUTION:	0/30/01 1.00			
ACETONE		20	20 U	UG/L
BENZENE		5.0	5.0 U	UG/L
3ROMODI CHLOROMETHANE		.5.0	5.0 U	UG/L
3ROMOFORM		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-DICHLOROETHANE		5.0	5.0 U	UG/L
, 2-DICHLOROETHANE		5.0	5.0 U	UG/L
, I-DICHLOROETHENE		5.0	5.0 U	UG/L
TS-1, Z-DICHLOROETHENE	-	5.0	5.0 U	UG/L
RANS-1, 2-DICHLOROETHEN	5 	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE	•	5.0	5.0 U	UG/L
DANC 1 2 DICHLOROPROPENE	777	5.0	5.0 U	UG/L
RANS-1, 3~DICHLOROPROPE	NE:	5.0	5.0 0	UG/L
		5.0	5.0 0	UG/L
		L O		UG/L
-METHVI2 - DENTANONE (M)	ואא	5.0	5.0 0	UG/L UG/т
STYRENE		τ Ο Τ Ο		
, 1, 2, 2-TETRACHLOROETHAN	JF.	5.0	5.00	
ETRACHLOROETHENE	• 	5.0	5.00	
OLUENE		5.0		11C/T.
,1,1-TRICHLOROETHANE		5.0	5 0 TT	
,1,2-TRICHLOROETHANE		5.0	50U	UG/Ц ЦС/Т.
RICHLOROETHENE		5.0	5.0 11	
INYL CHLORIDE		5.0	5.0 TT	
-XYLENE		5.0	5.0 11	ΠG/T.
+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC LI	MITS		
-BROMOFLUOROBENZENE	(87 -	111 %)	QQ	\$
	(0) -	°/	60	б
OLUENE-D8	(87 -	108 20	61	<u>o</u> ,

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COLUMBIA ANALYTICAL S	ERVICES	VOLATI METHOI Report	LE ORGANICS 0 8260B TCL ed: 11/29/01	
Project Reference: Client Sample ID : ME	THOD BLANK			
Date Sampled : Date Received:	Order #: ! Submission #:	506854	Sample Matrix: Analytical Run	WATER 70630
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 1 ANALYTICAL DILUTION:	1/01/01 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
DDOMONOTULA NF		5.0	5.0 U	UG/L
O DITANONE (MEK)		10	10 U	UG/L
CABON DIGILFIDF		10	10 U	UG/L
CARBON DISOLFIDE		5.0	5.0 U	UG/L
CARBON IEIRACHDORIDE		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	501	UG/L
CHLOROMETHANE		5.0	501	UG/L
DIBROMOCHLOROMETHANE		5.0	501	
1, 1-DICHLOROETHANE		5.0	501	
1, 2-DICHLOROETHANE		5.0	501	
1,1-DICHLOROETHENE		5.0	500	UG/L
CIS-1, 2-DICHLOROETHENE		5.0	500	
TRANS-1, 2-DICHLOROETHEN	1E	5.0	5 0 U	
1,2-DICHLOROPROPANE		5.0	5.00	
CIS-1, 3-DICHLOROPROPENE		5.0	5.00	
TRANS-1,3-DICHLOROPROPE	SNE:	5.0	5.00	
ETHYLBENZENE		5.0	5.0 U	
2-HEXANONE		E 0	E 0 U	
METHYLENE CHLORIDE		5.0	5.0 0	
4 - METHYL - 2 - PENTANONE (M	ILBK)	E 0		
STYRENE		5.0	5.00	
1,1,2,2-TETRACHLOROETHA	NF.	5.0		
TETRACHLOROETHENE		5.0		11C/1.
TOLUENE		5.0		UG/ц ца/т.
1,1,1-TRICHLOROETHANE	•	5.0		ucyш tic/t.
1,1,2-TRICHLOROETHANE		5.0		
TRICHLOROETHENE		5.0		
VINYL CHLORIDE		5.0	5.U U E A TT	
O-XYLENE		5.0	5.U U E A TT	
M+P-XYLENE		5.0	5.0 0	
SURROGATE RECOVERIES	QC LIMI	TS		
	/07 _ 1	 11 원)	89	8
4 - BROMOFLUOROBENZENE	ער ימ) ד – ריס)	18 8) TT 01	97 97	00
TOTOENE-D8	(0) - 1	17 21	88	00
DIBROMOFLUOROMETHANE	(86 - 1	1 ¹ 1	00	U

CONSTR MADIIL	T DERATCED	VOLATILE ORGANICS METHOD MODIFIED RSK-175 Reported: 11/27/01				
Project Reference: Client Sample ID :	: METHOD BLANK	·				
Date Sampled : Date Received:	Order #: Submission #:	505127	Sample Matrix: Analytical Run	WATER 70753		
ANALYTE	·····	PQL	RESULT	UNITS		
DATE ANALYZED ANALYTICAL DILUTION	: 10/25/01 J: 1.00					
ETHANE ETHYLENE METHANE PROPANE		1.0 1.0 2.0 1.0	1.0 U 1.0 U 2.0 U 1.0 U	UG/L UG/L UG/L UG/L		
;						
				· · ·		

#22228 Preservative Key ALTERNATE DESCRIPTION Zn. Acetate MeOH NaHSO4 9[] INVOICE INFORMATION Fours-cont Olher HNO3 NaOH4 NaOH4 RECEIVED BY ₹+1 0-2045062 ø Ralog ANALYSIS REQUESTED (include Method Number and Container Preservative) SUBMISSION #: Printed Name Date/Time CAS Contact Signature BILL TO: ð E > \succ \succ IV. Data Validation Report with Raw Data Source Source V. Speicatized Forms / Custom Report ĝ REPORT REQUIREMENTS II. Results + OC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration RELINQUISHED BY 125 3 >Se) KK SS A I. Results Only Ь Summaries Edata > Printed Name Date/Time ר ז ר Signature E One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475 PAGE TURNAROUND REQUIREMENTS וו L RUSH (SURCHARGES APPLY) RECEIVED BY REQUESTED REPORT DATE 24 hr _____ 48 hr REQUESTED FAX DATE -STANDARD imesPrinled Name Signature Date/Time 25 PRESERVATIVE D 8560 SCIMS Ē CUSTODY SEALS: Y (N ,) REALIZED SO TANNA SUBJECT SOLUTION STATEMENT ഷ \sim ρ ፈ 3 ഹ ŝ Ń 70 RELINQUISHED BY MATRIX 3 3 3 3 3 3 ß 3 3 З CSOL-395-4655 SAMPLING DATE TIME للعلين Printed Name نـ : Project Number Signature Date/Time E 10/18/01 Plailoi Sampler's Printed Name NICHOR COSC 10KD REL O 1018101 <u>ানি</u> মি ি। DATE ালদাতা 10/ଥି ପା 10tillo1 विभि 1545 Distribution: White - Return to Originator, Yellow - Lab Copy, Pink - Retained by Client FOR OFFICE USE ONLY 503784 503785 503786 500083 <u>509,08%</u> cheeps 200 NUM Center DR SODA8-Shapos **Meens** (22) Report CC 0-18-0 8 SAMPLE RECEIPT: CONDITION/COOLER TEMP: cinted targe Project Name Coopervision Haley + Aldrich 7410-359-9017 SPECIAL INSTRUCTIONS/COMMENTS Meris Signature Rochoster, WY **CLIENT SAMPLE ID** Signature Nichole Corse Date/Time Project Manager Vince Dick An Employae-Owned Company Metals + 1)+ all Fe RELINQUISHED BY 005 - 302606- WM mw - 205 Chrinted Name Larx MW - 402 MW -304 MW -59 كمليمهمك DwD-302] mu - 40 www.caslab.com MW - 501 MW - 2 See OAPP 8

Services Moly Ivel DI LOL DOLL DI 10 Services Moly Ivel DOLL DOLL DOLL DOLL DOLL DOLL DOLL DOL	• 800-695-7222 x11 • FAX (716) 288-8475 PAGE		Contact
Project Name CUCPER VISION Project Number	ANALYSIS REQUESTED (nclude Method Number and Containe	r Preservative)
Project Manager Vinco Dick Report CC	PRESERVATIVE		
Companyindriness. Harburt Ardwirth			Preservative Key *
aw win centre DR		(2.5) (2.5)	2. HNO3 3. H2504
Riochester, NY	00 0	1 X X V V 0 0 1 X X X X X X X X X X X X X X X X X	A A NãOH 5. Zn. Acetate 6. MeOH
Monthly - 359 - GUDU FAXA			7. NaHSO4 8. Other
Sampler's Signature Sampler's Printed Name NCDADE COSC	2 (68/68/108/08/20/20/20/20/20/20/20/20/20/20/20/20/20/		REMARKS/
FOR OFFICE USE ONLY SAMPLING CLIENT SAMPLE ID LAB ID DATE TIME MATE			/ ALTERNATE DESCRIPTION
MW-203 503898 NM	X		
m main bbeens har-mu	3 X		
			-
SPECIAL INSTRUCTIONS/COMMENTS	TURNAROUND REQUIREMENTS		INVOICE INFORMATION
	24 ht 5 day	II. Results + OC Summaries	HULLS-ULT
	STANDARD	(LUS, DUP, MS/MSD as required)	BITT 10:
	HEGUESTED FAX DATE	Summaries	
	REQUESTED REPORT DATE	IV. Data Validation Report with Raw Data	
See OAPP		V. Speicalized Forms / Custom Report	Sanog 126
SAMPLE RECEIPT: CONDITION/COOLER TEMP: OUC CUSTODY S	SEALS: Y (N)	EdataYesNo	SUBMISSION #;
	IED BY	RELINQUISHED BY	RECEIVED BY
Signature Nich Col Signature (CC) Signature	Signature	Signature	Signature
Binied Name Reveal Printed Name	Printed Namo	Printed Name	Printed Name
Fim H+A [Fim(0-18-01 1541) Fim	Firm	Fim	Fim
Date/Time Date/Time Date/Time Date/Time	Date/Time	Date/Time	Date/Time
Distribution: White - Return to Originator; Vellow • Lab Copy; Pink - Retained by Client			++ ~~~~~ scoc-0101-08

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Columbia Analytical Services Inc. Cooler Receipt And Preservation Check Form

Project/Client								•	
···· · · · · · · · · · · · · · · · · ·	HOA	<u></u>			Subr	nission Number	Rala	09126	• .
Cooler received on	10-18-01 by: <u></u>	um	(COURIER	CAS	UPS FEDI	EX · CD&	EL CLIE	NT
1.Were custo2.Were custo3.Did all bottl4.Did any VC5.Were Ice or6.Where did t7.Temperatur	dy seals on outside dy papers properly es arrive in good co A vials have signifi Ace packs present he bottles originate e of cooler(s) upon	of cool filled o ondition cant ain ? ? receipt	ler? ut (ink, n (unbr r bubbl t:	, signed, et oken)? es? 	c.)?	YE E E E E	NO NO NO NO NO NO NO KROC C	LIENT	
Is the tempera	ture within 0° - 6° C?:			Yesby	Yes 🗆	Yes 🛛	Yes 🗆	Yes 🗖	
Lí No, Explai	n Below			No 🛛	No 🗖	No 🗆	No 🗖	No 🗆	•
Date/Time	Cemperatures Take	n: <u>`\(</u>	5-18	3-01	155	<u>o</u> .			•
. Thermomet	er ID: <u>\R_60</u>	<u>V</u> I	`emp B	lank Sa	nple Bot	tle Cooler Te	mr. IR.	Gun	
² If out of Temperature	e, Client Approval to	Run S	amples		•				-
1.Were all bot2.Did all bottle3.Were correct4.Air SamplesExplain any discrept	tle labels complete e labels and tags ag t containers used for Cassettes / Tub ancies:	(<i>i.e.</i> an ree with or the to es Intag	alysis, h custo ests ind ct	preservation ody papers licated? Canisters F	on, etc.)? Pressurize	xd Tedlar®	SDNO SDNO SDNO Bags Infla	ited 14/4	\sum
-		YES	NO	Sample I.I.)	Reagent	Vol.	Added	
рн	Reagent	1	[[- •
	1 Torakate	1		1		•	· · · · ·		
- · 12	NaOH				·····	· · · · · · · · · · · · · · · · · · ·			
12 2	NaOH HNO3			 			· · · · · · · · · · · · · · · · · · ·		-
12 12 2 2	NaOH HNO3 H ₂ SO4	~						· · · · · · · · · · · · · · · · · · ·	
12 12 2 Residual Chlorine (+/-)	NaOH HNO3 H ₂ SO4 for TCN & Phenol				•		· · · · · ·	·····	
12 12 2 Residual Chlorine (+/-) 5-9*	NaOH HNO3 H ₂ SO4 for TCN & Phenol P/PCBs (608 only)				•		•	······	
12 12 2 Residual Chlorine (+/-) 5-9* YES = All samples OK	NaOH HNO3 H2SO4 for TCN & Phenol P/PCBs (608 only) NO = Sam	ples were	preserv	cd at lab as li	sted	PC OK to adjust		· · · · · · · · · · · · · · · · · · ·	•
12 12 2 Residual Chlorine (+/-) 5-9* YES = All samples OK *If pH adjustment is required V(NaOH HNO3 H ₂ SO4 for TCN & Phenol P/PCBs (608 only) NO = Sam red, use NaOH and/or H C Vial pH Verification Tested after Analysis) Following Samples Exhibited pH > 2	ples were	preserv	ed at lab as li	sted	PC OK to adjust	pH		

Other Comments:

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November 21, 2001

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

PROJECT: COOPERVISION #70665-007 Submission #:R2109133

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

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Karen Bunker Project Manager

Enc.

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1 Mustard ST. Suite 250 Rochester, NY 14609

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client :	Haley & Aldrich of New York
Project Reference:	COOPERVISION #70665-007
Lab Submission # :	R2109133
Reported :	11/21/01

Report Contains a total of _____ 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.



This report	contains analytical	results for the following sample:	s:
	Submiss	ion #: R2109133	
	<u>Lab ID</u>	<u>Client ID</u>	
	502434	MW - 3	
	502438	·OWD-302D	
	502439	OWS-302S	

Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-007 Submission #: R2109133

H&A collected water samples on 10/18/01. Samples were received at CAS on 10/19/01, unbroken, packed in ice, at a cooler temperature of 3°C.

GC/MS VOLATILE ORGANICS

One water sample was analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

All Tuning criteria for BFB were within limits.

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

Surrogate standard recoveries were within acceptance limits for both 4-Bromofluorobenzene and Toluene-D8. The surrogate, Dibromofluoromethane, was outside limits and has been flagged as "*". The sample was repeated at a dilution for calibration purposes and all surrogates were within limits.

Location MW-3 (CAS Order # 502434) required a dilution. The initial sample analysis contained hits for 1,1-Dichloroethane and 1,1-Dichloroethene which were outside the standard calibration curve for these compounds. The data has been flagged as "E". The sample was repeated at an appropriate dilution. Both sets of data are included in the report package.

The Laboratory Blanks associated with these analyses were free from contamination.

The sample was run within the 14 day holding time for preserved sample vials for the method.

No other analytical or QC problems were encountered.

Page 2 R2109133 Continued

GC Volatile Organics

One water sample was received for RSK-175. All vials were received in the lab with significant headspace and were unable to be analyzed.

Inorganic Analyses

Location MW-3 (CAS Order # 502434) was submitted for analysis for the following list of parameters: Chloride by IC method 300.0, Nitrate/Nitrite by method 353.1, Nitrite by method 353.2, Nitrate by calculation, Sulfate by IC method 300.0, and the ICP Metal Iron by Method 6010B, Dissolved Organic Carbon by method 415.1 and Sulfide by method 376.1. Location OWS-302S (CAS Order # 502439) required only Sulfate, Nitrite, Nitrate and Chloride parameters. Location OWD-302D (CAS Order # 502438) only required Alkalinity and Total Iron.

All were analyzed within proper holding times for the methodology.

All QC associated with the sample was within limits.

No analytical problems were encountered.



Effective 10/26/01

CAS LIST OF QUALIFIERS

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)

* - Inorganic Duplicate analysis not within control limits. Flag the entire batch - Inorganic analysis only

- * Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited New York ID # 10145 Connecticut ID # PH0556 Massachusetts ID # M-NY032 American Industrial Hygiene Assoc. ID #:100314 Navy Facilities Engineering Service Center Approved Delaware Accredited New Jersey ID # 73004 Rhode Island ID # 158 New Hampshire ID # 294100 A/B West Virginia ID # 292 Florida ID # E87674



Reported: 11/21/01

Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-3

376.1

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1.00

Date Sampled : 10/18/01 Order #: 502434 Date Received: 10/19/01 Submission #: R2109133					Sample Matrix: WATER				
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION		
CHLORIDE	300.0	0.100	139	MG/L	11/05/01	15:45	20.0		
DISSOLVED ORGANIC CAR	BONS 415.1.	1.00	2.19	MG/L	11/06/01	20:52	1.0		
NITRATE NITROGEN	300.0	0.0500	2.21	MG/L	10/19/01	17:38	10.0		
NITRITE NITROGEN	353.2	0.0100	0.130	MG/L	10/19/01	08:27	1.0		
J SULFATE	300.0	0.200	15.1	MG/L	10/19/01	17:38	10.0		
TOTAL ALKALINITY	310.1	2.00	197	MG/L	10/30/01	16:00	1.0		

1.00 U

MG/L

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10/22/01 15:15

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TOTAL SULFIDE

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Reported: 11/21/01

Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-3

Date Sampled : 10/18 Date Received: 10/19	/01 /01 S	Order	#: 502434 #: R2109133		Sample Matrix:	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	14.1	MG/L	10/29/01	1.0
			<u>.</u>			
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				•		
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COLUMBIA ANALYTICAL SERVIC	<u>ES</u> VOLAT METHO Repor	TLE ORGANICS D 8260B TCL ted: 11/26/01	
Haley & Aldrich of New Yor Project Reference: COOPERV Client Sample ID : MW-3	k ISION #70665-007		
Date Sampled : 10/18/01 Date Received: 10/19/01 Sub:	Order #: 502434 mission #: R2109133	Sample Matrix: Analytical Run	WATER 70631
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 10/25/ ANALYTICAL DILUTION:	01 1.00		
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPTHENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE	5.0 5.0 5.0 10 10 5.	$\begin{array}{c} 20 \\ 0 \\ 5.0 \\ 0 \\ 10 \\ 0 \\ 10 \\ 10 \\ 10 \\ 10 \\ 10$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
O-XYLENE M+P-XYLENE SUBROGATE RECOVERIES	5.0 5.0 00 LIMITS	5.0 U 5.0 U	UG/L UG/L
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	114 110 67 *	ata ata

COLUMBIA ANALYIICAL SERVICES	-	VOLATI METHOI Report	ILE ORGANICS) 8260B TCL ted: 11/26/01	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : MW-3	ION #70665-	007		
Date Sampled : 10/18/01 Date Received: 10/19/01 Submi	Order #: 50 .ssion #: R2	2434 2109133	Sample Matrix: Analytical Run	WATER 70631
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 11/01/01				
ANALYTICAL DILUTION: 20.	00			
A CETONIE		20	400 IT	UG/L
		<u>μ</u> Γ Ο	100 U	
DOMODICUI ODOMEMUNIE DOMODICUI ODOMEMUNIE		5.0		
DROMORODM		5.0 E 0	100 U	
SKUMUFURM SDOMOMETURNE		5.0	100 U	
		5.0		נוק /ז.
2-BUTANUNE (MEA)		10		נטטיע זזר <i>י</i> יד.
CARBON DISULFIDE		E 0	200 U 100 TT	
CARBON TETRACHLORIDE		5.0		
CHLOROBENZENE		5.0		
CHLOROETHANE		5.0	100 U	
CHLOROFORM		5.0	100 U	U년/L
CHLOROMETHANE		5.0	T00 0	UG/L TTC:/T
DIBROMOCHLOROMETHANE		5.0	100 U	니다/ Tr Tra \t
1,1-DICHLOROETHANE		5.0	790	UG/L
1,2-DICHLOROETHANE		5.0	100 U	UG/L
1,1-DICHLOROETHENE		5.0	530	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
FRANS-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
POLUENE		5.0	100 U	UG/L
1,1,1-TRICHLOROETHANE		5.0	2400	UG/L
1,1,2-TRICHLOROETHANE		5.0	100 U	UG/L
FRICHLOROETHENE		5.0	100 U	UG/L
VINYL CHLORIDE		5.0	100 U	UG/L
O-XYLENE		5.0	100 U	UG/L
M+P-XYLENE		5.0	100 U	UG/L
				, -
SURROGATE RECOVERIES		;		
SURROGATE RECOVERIES	(87 _ 111	; - ድነ	91	8
SURROGATE RECOVERIES 4-BROMOFLUOROBENZENE	(87 - 111 (87 - 108	; - . 응) . 응)	91	010 010

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Reported: 11/21/01

Haley & Aldrich of New York Project Reference: COOPERVISION #70665~007 Client Sample ID : OWD-302D

Date Date	Sampled : 10/18/01 Received: 10/19/01	S	Order ubmission	#: 502438 #: R2109133		Sample Matrix: WATER	
ANA	LYTE	METHOD	PQL	RESULT	UNITS	DATE TIME ANALYZED ANALYZED DILUTIO	1
TOTA	L ALKALINITY	310.1	2.00	69.7	MG/L	10/30/01 16:00 1.0	
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Reported: 11/21/01

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Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : OWD-302D

Date Sampled : 10/18/01 Date Received: 10/19/01	S	Order ubmission	#: 502438 #: R2109133		Sample Matrix:	WATER
ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
IRON	6010B	0.100	2.90	MG/L	10/29/01	1.0
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Reported: 11/21/01

Haley & Aldrich of New York - Project Reference: COOPERVISION #70665-007 Client Sample ID : OWS-302S

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- Da Da	te Sampled : 10/18/01 te Received: 10/19/01		Order Submission	#: #:	502439 R2109133		Sample Matr	ix: WATER	<u>.</u>
	NALYTE	METHOD	PQL		RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
Сн	LORIDE	300.0	0.100		1600	MG/L	11/05/01	21:32	200.0
NI	TRATE NITROGEN	300.0	0.0500		0.500 U	MG/L	10/19/01	17:51	10.0
- NI	TRITE NITROGEN	353.2	0.0100		0.143	MG/L	10/19/01	08:27	1.0
SU	LFATE	300.0	0.200		228	MG/L	11/05/01	15:58	100.0

COLUME	DIA ANALITICAL SER	<u>(V T C E D</u>	VOLATI METHOD Report	LE ORGANICS 8260B TCL ed: 11/21/01	
Projec Client	t Reference: Sample ID : METH	IOD BLANK			
Date San Date Rec	mpled : eived:	Order Submission	#: 504558 #:	Sample Matrix: Analytical Run	WATER 70631
ANALYTE	1		PQL	RESULT	UNITS
DATE AN ANALYTI	NALYZED : 10/ CAL DILUTION:	25/01 1.00			
ACETONE			20	20 U	UG/L
BENZENE			5.0	5.0 U	UG/L
BROMODIC	HLOROMETHANE		5.0	5.0 U	UG/L
BROMOFOR	M		5.0	5.0 U	UG/L
BROMOMET	HANE		5.0	5.0 U	UG/L
2-BUTANC	DNE (MEK)		1.0	10 U	UG/L
CARBON I	DISULFIDE		10	10 U	UG/L
CARBON T	ETRACHLORIDE		5.0	5.0 U	UG/L
CHLOROBE	ENZENE		5.0	5.0 Ū	UG/L
CHLOROFT	THANE		5.0	5.0 Ū	UG/L
CHLOROFO	DRM		5.0	5.0 U	UG/L
CHLOROME	THANE		5.0	5.0 U	UG/L
DTBROMOC	HLOROMETHANE		5.0	5.0 Ŭ	ŪG/L
1.1-DTCH	IL OROETHANE		5.0	5.0 U	UG/L
1.2-DTCH	ILOROETHANE		5.0	5.0 U	UG/L
1.1-DTCH	ILOROETHENE		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-DTCH	LOROPROPANE		5.0	5.0 U	UG/L
CTS-1 3-	DTCHLOROPROPENE		5.0	5.0 T	UG/L
С10 1,3- Траме_1	3-DTCHI.OPODDODENT	1	5.0	5 0 11	
	5 DICHIOROFROFINE	ı	5.0	5.0 U	
0-HBAVNU URTITIONU	NE		10	10 TT	
a - Hearing Metruví. dn			5 0	5 0 TT	
	- 2 - δενίτλυωνε (Μτε	1 K)	10		
- PIGIGI QUVD DNID	1-2-EDMINHONE (MIE		Γ <u>Γ</u>	5 0 11	
JII O O .	ͲͲͲϿϪϹϤͳͺϴϘϘͲͲϤϪϺϲ	5 	5.0	5.0 U 5 0 II	
⊥,⊥,⊿,⊿‴ ™©™D \ ^™T	ADOPTHENE ADOPTHENE	ı	5.0 E 0		
T D I KACHL	OVOETHENE		5.0	5.0 U 5 A II	
1 1 1 1 mm			5.0		
エ,エ,エ-TK 1 1 つ mm			5.0		
⊥,⊥,∠-ï¤ ™DTOUUTOS	CIUTIOROETHANE		5.0		
IKICHLOK			5.0		
VINIT CH	LUCKTDE		5.0		
Ο-ΑΙΔΕΝΕ Μίτο-Υνια	'NE		5.0	5.0 U 5.0 II	UG/Ц ПС/Т.
SURROGA	TE RECOVERIES	OC L	IMITS		00/1
		~			
4 - BROMOF	LUOROBENZENE	(87	- 111 %)	111	0 0
	D8	(87	- 108 8)	107	2
TOTOENE-	50	(•••	T00 9)		v

		VOLAT METHOI Report	ILE ORGANICS D 8260B TCL ced: 11/21/01	
Project Reference: Client Sample ID :	METHOD BLANK			
Date Sampled : Date Received:	Order #: Submission #:	506113	Sample Matrix: Analytical Run	WATER 70631
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED ANALYTICAL DILUTION	: 11/01/01 : 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	ŪĠ/L
CARBON TETRACHLORIDE		5.0	5.0 U	UG/L
CHLOROBENZENE		5.0	5.0 Ū	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-DICHLOROETHE	NE	5.0	5.0 U	UG/L
TRANS-1,2-DICHLOROET	HENE	5.0	5.0 U	UG/L
1,2-DICHLOROPROPANE		5.0	5.0 U	UG/L
CIS-1,3-DICHLOROPROP	ENE	5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPRO	OPENE	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-TETRACHLOROE	THANE	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-TRICHLOROETHAN	Ε	5.0	5.0 U	UG/L
1,1,2-TRICHLOROETHAN	Ε	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	S QC LIMI	TS		
4 - BROMOFLUOROBENZENE	(87 - 1	.11 %)	9 7	00
TOLUENE-D8	(87 - 1	.08 웅)	101	00
DIBROMOFLUOROMETHANE	(86 - 1	.17 웅)	95	210

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	tard St., Suite 250 • Rochester, NY 14609-0859 • (716) 288-5380 • 800-695-7222 x11 • FAX (716) 288-8475
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www.caslab.com Protect Name		000 • 000-093-7222 X11 • FAX (/10) 288-84/5 FAGE		S Contact
Coopervision	FOU-SODAT	ANALYSIS REQUESTED	(Include Method Number and Contain	ner Preservative)
Project Manager	Report CC	PRESERVATIVE		
Companyinddress	N. h	5,08 3908 41,12 51		Preservative Key
BOU TOWN CO	whe DR		S C C C C C C C C C C C C C C C C C C C	2. HU03 3. HS03
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Phone # 716-359-91	as 1416-359-4681	ВЕП (0.000 (0.000) (0		7. NaHSO4
Sampler's Signature	Samplers PrigredName NiChDIC CGSC	2 (688/68/28/28/28/20/20/20/20/20/20/20/20/20/20/20/20/20/		PUS REMARKS
CLIENT SAMPLE ID	FOR OFFICE USE ONLY SAMPLING LAB ID DATE TIME MAT		7 7 7	/ / ALTERNATE DESCRIPTION
MW-3	SOAUSU Wildy	X X el C	XXXX	
OWD-320	SOUVES Wisker U			
0.05-3025	SOOM39 Nav		X	
SPECIAL INSTRUCTIONS/COMMENTS		TURNAROUND REQUIREMENTS		
total to		RUSH (SURCHARGES APPLY)	THesults Only	
		24 hr 54 ay	It. Results + QC Summaries	100- (MA) -00 +
		STANDARD	(LCS, DUP, MS/MSD as required)	НТТ
		REQUESTED FAX DATE	III. Results + QC and Calibration Summaries	BILL TO:
		REQUESTED REPORT DATE	IV. Data Validation Report with Raw Data	
See QAPP			V. Speicalized Forms / Custom Report	Ka 109133
SAMPLE RECEIPT: CONDITION/CO	OLER TEMP: CUSTODY	SEALS: Y · N	EdataYes No	SUBMISSION #:
Menulished by		HED BY RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature Ni Chold CUE	Signalure Ly My Marcaller Signature	Signature	Signature	Signature
THAT THAT THAT THAT THAT THAT THAT THAT	Brench Smerian	Printed Name	Printed Name	Printed Name
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	Variation 11:55 Date Time	Date/Time	Date/Time	Date/Time
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Project/Client	H+A			Sul	omission N	lumber	82-9133	· ·
Cooler received on	<u> 0-19-01</u> by:_	\$\$E		COURIER: CAS	S UPS	FEDEX	CD&L	CLIENT
 Were custo Were custo Did all bott Did any VC Were fice bit Where did t Temperature 	dy seals on outside dy papers properly les arrive in good c A vials have signifi Ice packs present he bottles originate e of cooler(s) upon	of coo filled c onditio icant ai ? ? ?	oler? out (ink on (unb) ir bubb) ot:	, signed, etc.)? roken)? les? 		YES (YES) YES (YES) YES (XES)	NO VO VO VO N/A VO CLIE	ENT
Is the tempera	ture within 0° - 6° C?:			Yes 🖾 🛛 Yes 🗆	Yes		Yes 🛛 🛛 🕚	Yes 🗆
If No, Explai	n Below	:			No		No 🗔 👌 1	No 🗖 👘
Date/Time	Temperatures Take	n:	10	-19-01 @	12:00			
Thermomet	er ID: IR-hun]	Cemp E	lank Sample Bo	ttle Coo	oler Temp	R. Gu	in)
If out of Temperature	e, Client Approval to) Ruo S	amples					
2. Did all bottle	e labels and tags ag	ree wit	h custo	viv naners?		XEO	NO .	
 Were correct Air Samples Explain any discrepa 	t containers used for Cassettes / Tub ncies:	or the t es Inta	ests inc	licated? Canisters Pressuriz	ed Te	YES xdlar® Ba	NO ags Inflated	N/A
 Were correct Air Samples Explain any discrepa 	t containers used fo : Cassettes / Tub ncies:	or the t es Inta	ests inc ct	licated? Canisters Pressuriz	ed Te	YES xdlar® Ba	NO ags Inflated Vol. Adde	N/A
 3. Were correct 4. Air Samples Explain any discrepa pH 	t containers used for Cassettes / Tub ncies:	or the t es Inta YES	ests inc ct	licated? Canisters Pressuriz	ed Te Reagent	XES XIIII Adlar® Ba	NO ags Inflated Vol. Adde	N/A zd
 3. Were correct 4. Air Samples Explain any discrepa pH 12 	t containers used for Cassettes / Tub ncies: Reagent NaOH	YES	NO	licated? Canisters Pressuriz	ed Te Reagent	xtlar® Ba	NO ags Inflated Vol. Adde	N/A zd
 Were correct Air Samples Explain any discrepa pH 12 2 	t containers used for Cassettes / Tub ncies: Reagent NaOH HNO3	YES	NO	licated? Canisters Pressuriz	ed Te Reagent	xtlar® Ba	NO ags Inflated Vol. Adde	N/A d
3. Were correct 4. Air Samples Explain any discrepa pH 12 2 2	t containers used for Cassettes / Tub ncies: Reagent NaOH HNO ₃ H ₂ SO ₄	YES	NO	licated? Canisters Pressuriz	ed Te Reagent	xtlar® Ba	NO ags Inflated Vol. Adde	N/A d
 Were correct Air Samples Explain any discrepa pH 12 2 Residual Chlorine (+/-) 	t containers used for Cassettes / Tub ncies: Reagent NaOH HNO ₃ H ₂ SO ₄ for TCN & Phenol	YES	NO	Sample LD.	ed Te	xdlar® Ba	NO ags Inflated Vol. Adde	N/A d
3. Were correct 4. Air Samples Explain any discrepa pH 12 2 Residual Chlorine (+/-) 5-9*	t containers used for Cassettes / Tub ncies:	YES	NO	licated? Canisters Pressuriz	ed Te	xdlar® Ba	NO ags Inflated Vol. Adde	N/A d
 Were correct Air Samples Explain any discrepa pH 12 2 Residual Chlorine (+/-) 5-9* YES = All samples OK *If pH adjustment is mention 	t containers used for Cassettes / Tub ncies:	YES VES	NO	d at lab as listed	ed Te Reagent	xdlar® Ba	NO ags Inflated Vol. Adde	NVA d
 Were correct Air Samples Explain any discrepand pH 12 2 Residual Chlorine (+/-) 5-9* YES = All samples OK *If pH adjustment is required VC (1) 	t containers used for Cassettes / Tub ncies: Reagent NaOH HNO3 H2SO4 for TCN & Phenol P/PCBs (608 only) NO = Samp red, use NaOH and/or H C Vial pH Verification Following Samples Exhibited pH > 2	YES VES	n cubic ests inc ct NO	Sample LD.	ed Te Reagent	xdlar® Ba	NO ags Inflated Vol. Adde	
 Were correct Air Samples Explain any discrepance pH 12 2 Residual Chlorine (+/-) 5-9* YES = All samples OK *If pH adjustment is require VC (1) 	t containers used for Cassettes / Tub ncies: Reagent NaOH HNO3 H2SO4 for TCN & Phenol P/PCBs (608 only) NO = Samp red, use NaOH and/or H C Vial pH Verification Fested after Analysis) Following Samples Exhibited pH > 2	YES VES	n cubic ests inc ct NO	Sample LD.	ed Te Reagent	YES xdlar® Ba	NO ags Inflated Vol. Adde	

Other Comments:

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H&A OF NY

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RECEIVED

A FULL SERVICE ENVIRONMENTAL LABORATORY

February 20, 2002

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

PROJECT:COOPERVISION #70665-007 . Submission #:R2210533

Dear Mr. Dick

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 (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Sunker aien

Karen Bunker Project Manager

Enc.



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 #70665-007
Lab Submission # :	R2210533
Project Manager :	Karen Bunker
Reported :	02/20/02

Report Contains a total of $\underline{34}$ 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. Mubauk Jerry 01



This report contains analytical results for the following samples: Submission #: R2210533

Tab TD	Client TD
HAD ID	<u>CTTGUC TD</u>
528269	MW-202
528270	MW-203
528271	MW-204
528272	MW-205
528273	MW-2
528274	OW-304
528275	MW-401
528276	MW-402
528277	MW-502 '
528278	OWD-302D
528279	OWS-3025
528280	TRIP BLANK



Case Narrative

Company: Haley & Aldrich Project: Coopervision #70665-007 Submission #: R2210533

H&A collected water samples on 1/28-30/02. Samples were received at CAS on 2/1/02, unbroken, packed on ice packs, at a cooler temperature of 1°C. One location, MW-403, was placed "on Hold" upon receipt and did not require analysis as per client notification.

GC/MS VOLATILE ORGANICS

Eleven (11) water sample was analyzed for the Target Compound List of Volatile Organics by GC/MS Method 8260B from SW-846.

All Tuning criteria for BFB were within limits.

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

Surrogate standard recoveries were within acceptance limits.

Run QC is provided in the report package. All Laboratory Control Sample compounds are within limits except for Carbon Disulfide on LSC 2/8/02 which has been flagged "*".

Several samples required dilutions to bring target compounds within the calibration range of the standards. Hits outside the range are flagged as "E" and the sample is reanalyzed at the appropriate dilution. Both sets of data are included in the report package.

The Trip Blank and Laboratory Blanks associated with these analyses were free from contamination.

The samples were run within the 14 day holding time for preserved sample vials for the method. All vials were checked for preservation after analysis and found to be <2.

No other analytical or QC problems were encountered.

Page 2 R2210533 Continued

GC Volatile Organics

Five water samples were analyzed for Ethane, Ethene, Methane and Propane by modified GC method RSK-175.

All associated QC was within limits for these samples.

Samples were run within holding time for the method.

The Method Blank was free from contamination.

No problems were encountered during the analysis.



Effective 2/8/02

CAS LIST OF QUALIFIERS

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)

* - Inorganic Duplicate analysis not within control limits. Flag the entire batch - Inorganic analysis only

- * Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)
- X As specified in the case narrative.

CAS/Rochester Lab ID # for State Certifications

American Industrial Hygiene Assoc. ID #:100314 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 Rhode Island ID # 158 South Carolina ID #91012 West Virginia ID # 292



COLUMBIA ANALYTICAL SERVICES VOLATILE ORGANICS METHOD 8260B TCL Reported: 02/20/02						
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-202						
Date Sampled : 01/28/02 12:45 Order Date Received: 02/01/02 Submission	#: 528269 #: R2210533	Sample Matrix: Analytical Run	WATER 74416			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.00						
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE VINYL CHLORIDE O-XYLENE M+P-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ U \\ 5.0 \ U \ U \ U \ U \ U \ U \ U \ U \ U \ $	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
SURROGATE RECOVERIES QC I	LIMITS					
4-BROMOFLUOROBENZENE (87 TOLUENE-D8 (87 DIBROMOFLUOROMETHANE (86	- 111 %) - 108 %) - 117 %)	97 102 96	ato ato ato			

<u></u>	VOLAT METHO Report	ATILE ORGANICS HOD 8260B TCL orted: 02/20/02			
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-203					
ate Sampled : 01/29/02 08:45 Ord ate Received: 02/01/02 Submissi	er #: 528270 on #: R2210533	Sample Matrix: Analytical Run	WATER 74416		
ANALYTE	PQL	RESULT	UNITS		
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.00					
3ENZENE 3ENZENE 3ROMODICHLOROMETHANE 3ROMOFORM 3ROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE IS-1,2-DICHLOROETHENE IS-1,2-DICHLOROPROPENE STANS-1,2-DICHLOROPROPENE STANS-1,3-DICHLOROPROPENE STHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE ICLUENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE	5.0 5.0 5.0 10 10 5.	$\begin{array}{c} 5.0 \\ \mathrm{U} \\ 5.0 \\ \mathrm{U} \\ 5.0 \\ \mathrm{U} \\ 10 \\ \mathrm{U} \\ 10 \\ \mathrm{U} \\ 10 \\ \mathrm{U} \\ 5.0 \\ \mathrm{U} \\$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L		
D-XYLENE M+P-XYLENE SURROGATE RECOVERIES Q	5.0 5.0 5.0	5.0 U 5.0 U	UG/L UG/L		
4-BROMOFLUOROBENZENE (8 TOLUENE-D8 (8 DIBROMOFLUOROMETHANE (8	7 - 111 %) 7 - 108 %) 6 - 117 %)	94 · 105 101	010 ato ato		

COLUMBIA ANALYTICAL SERVICES	VOLAT METHOI Report			
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-204				
Date Sampled : 01/28/02 11:00 Order #: Date Received: 02/01/02 Submission #:	528271 R2210533	Sample Matrix: Analytical Run	WATER 74416	
ANALYTE	PQL	RESULT	UNITS	
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.00				
	20	20 U	UG/L	
	5.0	5.0 Ŭ	UG/L	
BROMODICHI OROMETHANE	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	
CARDON TETRACHLORIDE	5.0	5.0 U	UG/L	
TH OROBENZENE	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-DICHLOROFTHANE	5.0	11	ŬĠĹŢ	
1 2-DICHLOROETHANE	5.0	5.0 U	UG/L	
1 1-DICHLOROETHENE	5.0	8.1	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-DTCHLOROPROPANE	5.0	5.0 U	UG/L	
CTS-1.3-DICHLOROPROPENE	5.0	5.0 U	UG/L	
TRANS-1.3-DICHLOROPROPENE	5.0	5.0 U	ŪĠ/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 Ö	
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 LIM	IITS			
4-BROMOFLUOROBENZENE (87 -	111 %)	93	ક	
TOLIENE-D8 (87 -	108 %)	102	90	
DIBROMOFILIOROMETHANE (86 -	117 %)	98	90	
DIPROPOLIDOROMITING (00				

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COLUMBIA ANALYTICAL SERVICES	DEATILE ORGANICS THOD 8260B TCL ported: 02/20/02				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-205					
Date Sampled : 01/29/02 12:00 Ord Date Received: 02/01/02 Submiss:	der #: 528272 ion #: R22105	Sample Matri 33 Analytical R	x: WATER un 74416		
ANALYTE	PQ	L RESULT	UNITS		
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 2000.00	-				
BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE	55555 55555555555555555555555555555555	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L		
O-XYLENE M+P-XYLENE	5	.0 10000 U .0 10000 U	UG/L UG/L		
SURROGATE RECOVERIES	QC LIMITS				
4-BROMOFLUOROBENZENE ({ TOLUENE-D8 (; DIBROMOFLUOROMETHANE (;	87 - 111 %) 87 - 108 %) 86 - 117 %)	96 103 100	00 00 00		

COLUMBIA ANALYTICAL SERVICES VOLATILE ORGANICS METHOD RSK-175 MODIFIED Reported: 02/20/02				ED		
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-205						
Date Sampled Date Received	: 01/29/02 : 02/01/02	12:00 Order Submission	#: 528272 #: R2210533	Sample Matrix: Analytical Run	WATER 74491	
ANALYTE			PQL	RESULT	UNITS	
DATE ANALYZE ANALYTICAL D	D : 02 DILUTION:	2/08/02 1.00				
ETHANE ETHYLENE METHANE PROPANE		· .	1.0 1.0 2.0 1.0	6.9 2.0 5.2 1.0 U	UG/L UG/L UG/L UG/L	

<u>COLUMBIA ANALYTICAL SERVICES</u>	VOLATII METHOD Reporte	LE ORGANICS 8260B TCL ed: 02/20/02					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-2							
Date Sampled : 01/28/02 14:00 Or Date Received: 02/01/02 Submiss	cder #: 528273 sion #: R2210533	Sample Matrix: Analytical Run	WATER 74416				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 02/09/02 ANALYTICAL DILUTION: 20.00)						
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM	20 5.0 5.0 5.0	400 U 100 U 100 U 100 U	UG/L UG/L UG/L UG/L				
BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE	5.0 10 10 5.0	100 U 200 U 200 U 100 U	UG/L UG/L UG/L UG/L				
CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROMETHANE	5.0 5.0 5.0 5.0	100 U 100 U 100 U 100 U	UG/L UG/L UG/L UG/L				
DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,1-DICHLOROETHENE	5.0 5.0 5.0 5.0	100 U 190 100 U 270	UG/L UG/L UG/L UG/L				
CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE	5.0 5.0 5.0 5.0	100 U 100 U 100 U 100 U	UG/L UG/L UG/L UG/L				
TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE	5.0 5.0 10 5.0	100 U 100 U 200 U 100 U	UG/L UG/L UG/L UG/L				
4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE	10 5.0 5.0 5.0	200 U 100 U 100 U 100 U 100	UG/L UG/L UG/L UG/L				
TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE	5.0 5.0 5.0	100 U 2100 100 U	UG/L UG/L UG/L UG/L				
TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	5.0 5.0 5.0 5.0	100 U 100 U 100 U	UG/L UG/L UG/L				
SURROGATE RECOVERIES	QC LIMITS		-				
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 106 102	aho aho aho				

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COLUMBIA ANALYTICAL SERVICE:	<u>5</u> VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 02/20/02	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : OW-304	SION #70665-007		
Date Sampled : 01/29/02 09:20 Date Received: 02/01/02 Subma	Order #: 528274 ission #: R2210533	Sample Matrix: Analytical Run	WATER 74416
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1	2.00		
ACETONE	20	20 U	UG/L
BENZENE	. 5.0	5.0 Ŭ	UG/L
ͽͽͶϤͻϲͷϫ	5.0	5.0 T	UG/L
DDUNUEUDM DIUNUTUTUTUTUTUTUTUTUTUTU	5.0	5 0 U	UG/I
	5.0	501	
BROMOMEIHANE (MEK)	10		
2-BUTANONE (MEK)	10	10 1	
CARBON DISULFIDE			
CARBON TETRACHLORIDE	. 5.0	5.0 0	
CHLOROBENZENE	5.0	5.0 0	
CHLOROETHANE	5.0	5.0 0	
CHLOROFORM	5.0	5.0 0	
CHLOROMETHANE	5.0	5.0 0	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 Ŭ	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 (MIRK)	10	10 U	UG/L
STYRENE	5.0	5.0 Ŭ	UG/L
1.1.2.2-TETRACHLOROETHANE	5.0	5.0 U	UG/L
TETRACHLOROETHENE	5.0	5.0 U	UG/L
TOTIENE	5 0	5.0 U	UG/L
	5.0	10	UG/L
	5.0		UG/L
	5.0	5.0 U	
INTURIORIALIA	5.0	5.00	
VINIL CHOKIDE	5.0		
O-VIPENE WTD-XAIENE	5.0	5.0 U	UG/L
NTE_VITIOND	5.0	2.00	,
SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(87 - 111 %)	99	06
TOLUENE-D8	(87 - 108 %)	106	8
DIBROMOFLUOROMETHANE	(86 - 117 %)	98	8
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COLUMBIA ANALYTICAL SERVICES	VOLATI METHOI Report	LE ORGANICS 0 8260B TCL ed: 02/20/02					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-401							
Date Sampled : 01/29/02 13:40 Order Date Received: 02/01/02 Submission	#: 528275 #: R2210533	Sample Matrix: Analytical Run	WATER 74417				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 02/09/02 ANALYTICAL DILUTION: 2.50	. <u></u>						
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2-TETRACHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	13 U 13 U 13 U 13 U 13 U 13 U 25 U 13 U 25 U 13 U 13 <td< td=""><td>UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L</td></td<>	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L				
, VINYL CHLORIDE O-XYLENE M+P-XYLENE	5.0 5.0 5.0	13 U 13 U 13 U	UG/L UG/L				
SURROGATE RECOVERIESQC I4-BROMOFLUOROBENZENE(87TOLUENE-D8(87DIBROMOFLUOROMETHANE(86	JIMITS - 111 %) - 108 %) - 117 %)	93 107 100	010 010 010				

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Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-401 tte Sample d: 01/29/02 13:40 Order #: 528275 Sample Matrix: WATER Analytical Run 74417 NALYTE PQL RESULT UNIT INALYTE PQL RESULT UNIT ATE ANALYZED : 02/11/02 NALYTCAL DILUTION: 5.00 20 100 U UG/L INTER ANALYZED : 02/11/02 NALYTCAL DILUTION: 5.00 25 U UG/L INTER ANALYZED : 02/11/02 NALYTCAL DILUTION: 5.00 25 U UG/L INTER ANALYZED : 02/11/02 NALYTCAL DILUTION: 5.00 25 U UG/L OMOFORM S.0 25 U UG/L 100 50 U UG/L INMEND ISULTIDE 10 50 U UG/L 100 100/L ILOROBERTHANE 5.0 25 U UG/L 100 10/L ILOROBERTHANE 5.0 25 U UG/L 100 10/L ILOROBERTHANE 5.0 25 U UG/L 100 10/L ILOROBERTHANE 5.0 25	<u>COLUMBIA ANALYTICAL SERVIC</u>	<u>48</u>	VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 02/20/02				
tte Sampled : 01/29/02 13:40 Order #: 528275 tte Received: 02/01/02 Submission #: R2210533 Sample Matrix: WATER Analytical Run 74417 NALYTE PQL RESULT UNIT INALYTE PQL RESULT UNIT INALYTE PQL RESULT UNIT INALYTCAL DILUTION: 5.00 20 100 U UG/L INTERNE S.0 25 U UG/L INTERNE S.0 25 U UG/L OMOFORM 5.0 25 U UG/L OMOFORM S.0 25 U UG/L INTERNE S.0 25 U UG/L INTERNE S.0 25 U UG/L INTERNE S.0 25 U UG/L ICROBERTARE S.0 25 U UG/L ICROBORTHANE S.0 25 U UG/L ICROBERTARE S.0 25 U UG/L ICROBORTHANE S.0 25 U UG/L ICROBORTHANE S.0 25 U UG/L ICROBORTHANE S	Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-401							
NALYTE PQL RESULT UNIT NATE ANALYZED : 02/11/02 NALYTICAL DILUTION: 5.00	Date Sampled : 01/29/02 13:40 Date Received: 02/01/02 Subr) Order #: nission #: 1	528275 R2210533	Sample Matrix: Analytical Run	WATER 74417			
DATE ANALYZED : 02/11/02 INALYTICAL DILUTION: 5.00 EETONE 20 100 U UG/L INZENE 5.0 25 U UG/L INZENE 5.0 25 U UG/L INZENE 5.0 25 U UG/L COMODICHLOROMETHANE 5.0 25 U UG/L COMOMETHANE 5.0 25 U UG/L BUTANONE (MEK) 10 50 U UG/L RECON TETRACHLORIDE 5.0 25 U UG/L LOROBENZENE 5.0 25 U UG/L LOROFITANE 5.0 25 U UG/L LOROFORM 5.0 25 U UG/L 1-DICHLOROFTHANE 5.0 25 U UG/L 1-DICHLOROFTHANE 5.0 25 U UG/L 2-DICHLOROFOROPENE 5.0 25 U </th <th>ANALYTE</th> <th></th> <th>PQL</th> <th>RESULT</th> <th>UNITS</th>	ANALYTE		PQL	RESULT	UNITS			
NALYTICAL DILUTION: 5.00 ETONE 20 100 U UG/L NNZENE 5.0 25 U UG/L NNZENE 5.0 25 U UG/L COMODICHLOROMETHANE 5.0 25 U UG/L COMOMOTENANE 5.0 25 U UG/L BUTANONE (MEK) 10 50 U UG/L RECON TERACHLORIDE 5.0 25 U UG/L LOROBENZENE 5.0 25 U UG/L LOROBENZENE 5.0 25 U UG/L LOROFTHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L ANS-1, 3-DICHLOROETHENE 5.0 25 U UG/L <td< td=""><td>DATE ANALYZED : 02/11/0</td><td>)2</td><td></td><td></td><td></td></td<>	DATE ANALYZED : 02/11/0)2						
ETONE 20 100 U UG/L INZENE 5.0 25 U UG/L INZENE 5.0 25 U UG/L ROMOFORM 5.0 25 U UG/L ROMOFORM 5.0 25 U UG/L ROMORTHANE 5.0 25 U UG/L REON DISULFIDE 10 50 U UG/L REON DISULFIDE 5.0 25 U UG/L LOROBERME 5.0 25 U UG/L LOROBERME 5.0 25 U UG/L LOROFORM 5.0 25 U UG/L LOROFORM 5.0 25 U UG/L LOROFORM 5.0 25 U UG/L S-1.2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L S-1.3-DICHLOROETHENE 5.0 25 U	ANALYTICAL DILUTION:	5.00						
Link Lo L	ΔΥΕΥΩΝΈ		20	100 U	UG/T.			
ALLAND 5.0 25 0 00/L COMODI CHLOROMETHANE 5.0 25 U 00/L COMOPORM 5.0 25 U 00/L BUTANONE (MEK) 10 50 U 00/L BUTANONE (MEK) 10 50 U 00/L REDON TETRACHLORIDE 5.0 25 U 00/L LOROBENZENE 5.0 25 U 00/L LOROPORM 5.0 25 U 00/L LOROPORTHANE 5.0 25 U 00/L 2-DICHLOROETHANE 5.0 25 U 00/L 2-10CHLOROETHANE 5.0 25 U 00/L S-1, 2-DICHLOROETHENE 5.0 25 </td <td>RENZENE</td> <td></td> <td>5 0</td> <td>25 11</td> <td>UG/T.</td>	RENZENE		5 0	25 11	UG/T.			
DIADALCHENDATION 5.0 2.5 0 0.7 J COMORORM 5.0 2.5 U UG/L REON DISULFIDE 10 50 U UG/L BUTANONE (MEK) 10 50 U UG/L REON DISULFIDE 10 50 U UG/L ILCROBENZENE 5.0 2.5 U UG/L ILCROFTHANE 5.0 2.5 U UG/L ILCROPORM 5.0 2.5 U UG/L ILCROPORTHANE 5.0 2.5 U UG/L ILCROPORTHANE 5.0 2.5 U UG/L ILCROPORTHANE 5.0 2.5 U UG/L 1-DICHLOROETHANE 5.0 2.5 U UG/L 2-DICHLOROETHENE 5.0 2.5 U UG/L 2-DICHLOROETHENE 5.0 2.5 U UG/L 2-DICHLOROETHENE 5.0 2.5 U UG/L 2-10CHLOROPROPANE	ͻͻͷͷͻͻͷͷϲ		5.0	25 0 25 TT				
NUMENDARY 5.0 25 0 00/1 BUTANONE (MEK) 10 50 U UG/L BUTANONE (MEK) 10 50 U UG/L REON DISULFIDE 10 50 U UG/L REON TETRACHLORIDE 5.0 25 U UG/L ILOROBENZENE 5.0 25 U UG/L ILOROFORM 5.0 25 U UG/L ILOROFORM 5.0 25 U UG/L ILOROFETHANE 5.0 25 U UG/L ILOROFETHANE 5.0 25 U UG/L ILOROFETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-JOICHLOROPOPANE 5.0 25	DDUMUEUDM DIVUELUMUE		5.0	25 U 25 U	UG/T			
DEUTANONE (MEK) 10 50 U UG/L RBON DISULFIDE 10 50 U UG/L RBON DISULFIDE 10 50 U UG/L RBON TETRACHLORIDE 5.0 25 U UG/L LORDENZENE 5.0 25 U UG/L LORDETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPOPANE 5.0 25 U UG/L 2-1,3-DICHLOROPOPOPENE 5.0 25 U UG/L ANS-1,3-DICHLOROPOPOPENE			5.0	25 U 25 U				
BOLMARM (BAR) 10 50 00/L REBON DISULFIDE 10 50 U UG/L RRBON DETRACHLORIDE 5.0 25 U UG/L ILOROENZENE 5.0 25 U UG/L ILOROETHANE 5.0 25 U UG/L ILOROFORM 5.0 25 U UG/L ILOROETHANE 5.0 25 U UG/L ILOROETHANE 5.0 25 U UG/L BEROMOCHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-JCHCHLOROPROPANE 5.0 25 U UG/L 2-JCHLOROPROPANE 5.0 25 U UG/L 2-JOCHLOROPROPANE 5.0 25 U UG/L 2-JOCHLOROPROPENE 5.0 25 U UG/L YLLENE 5.0 25 <			10					
ARBON DISTIDE 10 25 0 03/1 RRON TETRACHLORIDE 5.0 25 U UG/L LICROBENZENE 5.0 25 U UG/L LICROPENZENE 5.0 25 U UG/L LICROPENTANE 5.0 25 U UG/L LICROPENTANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-10.5LOROPROPENE 5.0 25 U UG/L 2-10.5LOROPROPENE 5.0	2-BUIANONE (MER)		10	50 1				
NADENT INTERNATION 5.0 25 0 06/L ILOROBENZENE 5.0 25 U UG/L ILOROBENTANE 5.0 25 U UG/L 1.DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPTOPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPENE 5.0 25 U UG/L 2-NS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L 'HYLBENZENE 5.0 25 U UG/L 'HYLBENZENE 5.0 25 U UG/L 'HYLBENZENE 5.0 25 U UG/L 'TRACHLOROETHANE 5.0 25 U	CARBON DISCULTUE		5 0	25 11				
LIOROBENZENE 5.0 25 U UG/L LIOROBETHANE 5.0 25 U UG/L LIOROMETHANE 5.0 25 U UG/L LIOROMETHANE 5.0 25 U UG/L LIOROMETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPTHENE 5.0 25 U UG/L 2-DICHLOROPTHENE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-1, 3-DICHLOROPROPANE 5.0 25 U UG/L ANS-1, 3-DICHLOROPROPANE 5.0 25 U UG/L NYLENE 10 50 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 <td></td> <td></td> <td>5.0</td> <td>· 25 U</td> <td></td>			5.0	· 25 U				
LIOROFORM 5.0 25 U UG/L LIOROFORM 5.0 25 U UG/L LIOROFTHANE 5.0 25 U UG/L BROMOCHLOROMETHANE 5.0 25 U UG/L 1-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L YLDENEZENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L THYLENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U			5.0					
LIORODETHANE 5.0 25 U UG/L ILOROMETHANE 5.0 25 U UG/L TEROMOCHLOROMETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPOPANE 5.0 25 U UG/L S-1, 3-DICHLOROPROPENE 5.0 25 U UG/L S-1, 3-DICHLOROPROPENE 5.0 25 U UG/L YLBENZENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L TTHYLENE CHLORIDE 5.0 25 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 1 -TRICHLOROETHANE 5.0	CHLOROE I HANE		5.0					
LIDROMCLIARNE 5.0 25.0 UG/L 1-DICHLOROETHANE 5.0 25.0 UG/L 2-DICHLOROETHENE 5.0 25.0 UG/L 2-DICHLOROETHENE 5.0 25.0 UG/L 2-DICHLOROETHENE 5.0 25.0 UG/L 2-DICHLOROPROPENE 5.0 25.0 UG/L 2-NANS-1, 3-DICHLOROPROPENE 5.0 25.0 UG/L YALSANS-1, 3-DICHLOROPROPENE 5.0 25.0 UG/L HYLBENZENE 5.0 25.0 UG/L HYLENE CLOROETHANE 10 50.0 UG/L THYLENE CLOROETHENE 5.0 25.0 UG/L THYLENE CLOROETHENE 5.0 25.0 UG/L YRENE S.0 25.0 UG/L UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25.0 <td></td> <td></td> <td>5.0</td> <td>25 0</td> <td></td>			5.0	25 0				
BROMOCHLOROWETHANE 5.0 25.0 267.4 1-DICHLOROETHANE 5.0 700 UG/L 2-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPTHENE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLENE CHLORIDE 5.0 25 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2-TETRACHLOROETHANE 5.0 25 U UG/L 1, 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1,1, 1-TRICHLO			5.0	25 0				
1-DICHLOROETHANE 5.0 700 007/J 2-DICHLOROETHANE 5.0 25 U UG/L 1-DICHLOROETHENE 5.0 25 U UG/L S-1,2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-JICHLOROPROPANE 5.0 25 U UG/L 2-SICHLOROPROPENE 5.0 25 U UG/L ANS-1,3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L HYLENE CHORIDE 5.0 25 U UG/L YRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L 1,2,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2,2-TRICHLOR			5.0	25 0				
2-DICHLOROBITARNE 5.0 25.0 03/J 1-DICHLOROBITARNE 5.0 56 UG/L S-1,2-DICHLOROETHENE 5.0 25 U UG/L 2ANS-1,2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPTADANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-S-1,3-DICHLOROPROPENE 5.0 25 U UG/L HXISENZENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLENE CHLORIDE 5.0 25 U UG/L TTRACHLOROETHANE 10 50 U UG/L TYRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L 1,2,2-TRICHLOROETHANE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHA	1, 1-DICHLOROETHANE		5.0					
1-DICHLOROETHENE 5.0 36 0371 SS-1, 2-DICHLOROETHENE 5.0 25 U UG/L 2.ANS-1, 2-DICHLOROETHENE 5.0 25 U UG/L 2.DICHLOROPROPANE 5.0 25 U UG/L 2.DICHLOROPROPANE 5.0 25 U UG/L 2.ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L AANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLENE CHLORIDE 5.0 25 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L THYLENE CHLOROETHANE 10 50 U UG/L TRACHLOROETHENE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U U/L	1, 2-DICHLOROETHANE		5.0	25 U EC				
S-1, 2-DICHLOROETHENE 5.0 25 0 06/1 2ANS-1, 2-DICHLOROETHENE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-Solid 25 U UG/L UG/L 2-DICHLOROPROPENE 5.0 25 U UG/L 2ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L 2ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2-TETRACHLOROETHANE 5.0 25 U UG/L 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1, 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1, 2-TRICHLOROETHANE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XYLENE<	1, 1-DICHLOROETHENE		5.0					
AANS-1,2-DICHLOROBETHENE 5.0 25 0 0G/L 2-DICHLOROPROPANE 5.0 25 U UG/L 2-DICHLOROPROPANE 5.0 25 U UG/L SS-1,3-DICHLOROPROPENE 5.0 25 U UG/L ANS-1,3-DICHLOROPROPENE 5.0 25 U UG/L HXANS-1,3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLENE CHLORIDE 5.0 25 U UG/L TTHYLENE CHLOROETHANE 10 50 U UG/L YRENE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L ICHLOROETHENE 5.0 25 U UG/L <td< td=""><td>CIS-1, 2-DICHLOROETHENE</td><td></td><td>5.0</td><td>25 U</td><td></td></td<>	CIS-1, 2-DICHLOROETHENE		5.0	25 U				
2-DICHLOROPROPANE 5.0 25 U UG/L (S-1, 3-DICHLOROPROPENE 5.0 25 U UG/L ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L ANS-1, 3-DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L THYLENE CHLOROETHANE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L ICCHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L	TRANS-1,2-DICHLOROETHENE		5.0	25 U				
S-1, 3 - DICHLOROPROPENE 5.0 25 U UG/L CANS - 1, 3 - DICHLOROPROPENE 5.0 25 U UG/L HYLBENZENE 5.0 25 U UG/L HYLBENZENE 10 50 U UG/L HEXANONE 10 50 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L METHYL - 2 - PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L	1,2-DICHLOROPROPANE		5.0	25 U	UG/L			
AANS - 1, 3 - DICHLOROPROPENE 5.0 25 U UG/L PHYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L THYLENE CHLORIDE 5.0 25 U UG/L METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2 - TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L YLENE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L ICHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L YLLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L ULUENE-D8 (87 - 111 %) <td>CIS-1,3-DICHLOROPROPENE</td> <td></td> <td>5.0</td> <td>25 U</td> <td>UG/L</td>	CIS-1,3-DICHLOROPROPENE		5.0	25 U	UG/L			
HYLBENZENE 5.0 25 U UG/L HEXANONE 10 50 U UG/L CTHYLENE CHLORIDE 5.0 25 U UG/L METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1, 2, 2-TETRACHLOROETHANE 5.0 25 U UG/L 1, 2, 2-TETRACHLOROETHANE 5.0 25 U UG/L 1, 2, 2-TETRACHLOROETHANE 5.0 25 U UG/L 1, 1, 2-TRICHLOROETHANE 5.0 25 U UG/L 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1, 1-TRICHLOROETHANE 5.0 25 U UG/L 1, 2-TRICHLOROETHANE 5.0 25 U UG/L 1, 2-TRICHLOROETHANE 5.0 25 U UG/L ICHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L YLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L WIROGATE RECOVERIES QC LIMITS 3 BROMOFLUOROMETHANE	TRANS-1,3-DICHLOROPROPENE		5.0	25 U	UG/L			
HEXANONE 10 50 U UG/L CTHYLENE CHLORIDE 5.0 25 U UG/L CTHYLENE CHLORIDE 10 50 U UG/L METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L PLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XUENE 5.0 25 U UG/L QC LIMITS 5.0 25 U UG/L ULUENE-D8 (87<	ETHYLBENZENE		5.0	25 U	UG/L			
THYLENE CHLORIDE 5.0 25 U UG/L METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L DLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L YUROGATE RECOVERIES QC LIMITS UG/L URROGATE RECOVERIES QC LIMITS 93 % ILUENE-D8 (87 - 111 %) 93 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	2-HEXANONE		_10	50 U	UG/L			
METHYL-2-PENTANONE (MIBK) 10 50 U UG/L YRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L DLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 11,2-TRICHLOROETHANE 5.0 25 U UG/L 11,2-TRICHLOROETHANE 5.0 25 U UG/L 11,2-TRICHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 3 % BROMOFLUOROMETHA	METHYLENE CHLORIDE		5.0	25 U	UG/L			
TYRENE 5.0 25 U UG/L 1,2,2-TETRACHLOROETHANE 5.0 25 U UG/L TRACHLOROETHENE 5.0 25 U UG/L DLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 3 BROMOFLUOROBENZENE (87 - 111 %) 93 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	4-METHYL-2-PENTANONE (MIBK)		_10	50 U	UG/L			
1, 2, 2 - TETRACHLOROETHANE 5.0 25 0 UG/L CTRACHLOROETHENE 5.0 25 U UG/L DLUENE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 1 - TRICHLOROETHANE 5.0 25 U UG/L 1, 2 - TRICHLOROETHANE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L VLUENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 93 % OLUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	STYRENE		5.0	25 0	UG/L			
TRACHLOROETHENE 5.0 25 U UG/L DLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1CHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 93 % OLUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	1,1,2,2-TETRACHLOROETHANE		5.0	25 U	UG/L			
DLUENE 5.0 25 U UG/L 1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 21CHLOROETHENE 5.0 25 U UG/L 21CHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L CURROGATE RECOVERIES QC LIMITS 5.0 25 U UG/L BROMOFLUOROBENZENE (87 - 111 %) 93 % DLUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	TETRACHLOROETHENE		5.0	25 U	UG/L			
1,1-TRICHLOROETHANE 5.0 25 U UG/L 1,2-TRICHLOROETHANE 5.0 25 U UG/L 1.CHLOROETHENE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L NYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L URROGATE RECOVERIES QC LIMITS 5.0 25 U UG/L ULUENE-D8 (87 - 111 %) 93 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	FOLUENE	•	5.0	25 U	UG/L			
1,2-TRICHLOROETHANE 5.0 25 U UG/L 21CHLOROETHENE 5.0 25 U UG/L INYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L ·P-XYLENE (87 - 111 %) 93 % % ·P-XYLENE (87 - 108 %) 101 % % ·P-XYLENE (86 - 117 %) 99 % %	1,1,1-TRICHLOROETHANE		5.0	25 U	UG/L			
RICHLOROETHENE 5.0 25 U UG/L INYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L ·P-XYLENE 0 93 % % ·P-XYLENE (87 - 111 %) 93 % % ·P-XYLENE (86 - 117 %) 99 % %	1,1,2-TRICHLOROETHANE		5.0	25 U	UG/L			
INYL CHLORIDE 5.0 25 U UG/L XYLENE 5.0 25 U UG/L P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS 3.0 25 U UG/L BROMOFLUOROBENZENE (87 - 111 %) 93 % PLUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	TRICHLOROETHENE		5.0	25 U	UG/L			
XYLENE 5.0 25 U UG/L .P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS	VINYL CHLORIDE		5.0	25 U	UG/L			
-P-XYLENE 5.0 25 U UG/L SURROGATE RECOVERIES QC LIMITS	D-XYLENE		5.0	25 U	UG/L			
QC LIMITS BROMOFLUOROBENZENE (87 - 111 %) 93 % DLUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	1+P-XYLENE		5.0	25 U	UG/L			
BROMOFLUOROBENZENE(87 - 111 %)93%DLUENE-D8(87 - 108 %)101%BROMOFLUOROMETHANE(86 - 117 %)99%	SURROGATE RECOVERIES	QC LIMI	rs					
ULUENE-D8 (87 - 108 %) 101 % BROMOFLUOROMETHANE (86 - 117 %) 99 %	4-BROMOFLUOROBENZENE	(87 - 1	11 %)	93	00			
IBROMOFLUOROMETHANE (86 - 117 %) 99 %	POLIENE-D8	(87 - 10)8 %)	101	20			
	DIBROMOFI, UOROMETHANE	$(86 - 1^{-1})$	17 8)	99	%			
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COLUMBIA ANALYTICAL SERVICES	VOLAT METHOI Report	LE ORGANICS 0 8260B TCL ced: 02/20/02					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-402							
Date Sampled : 01/28/02 12:00 Order : Date Received: 02/01/02 Submission :	#: 528276 #: R2210533	Sample Matrix: Analytical Run	WATER 74416				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 02/09/02 ANALYTICAL DILUTION: 1.00							
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLENEZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE	$\begin{array}{c} 20\\ 5.0\\ 5.0\\ 5.0\\ 10\\ 10\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.0\\ 5.$	$\begin{array}{c} 20 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \\ 5.$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L				
SURROGATE RECOVERIES QC L	5.0 IMITS	5.00	00/1				
4 - BROMOFLUOROBENZENE(87TOLUENE - D8(87DIBROMOFLUOROMETHANE(86	- 111 %) - 108 %) - 117 %)	99 105 102	00 00 00				

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COLUMBIA ANALYTICAL SERVICES	VOLAT METHOI Report	LE ORGANICS 0 8260B TCL ced: 02/20/02					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-502							
Date Sampled : 01/28/02 14:45 Date Received: 02/01/02 Submi	Order #: 528277 ssion #: R2210533	Sample Matrix: Analytical Run	WATER 74417				
ANALYTE	PQL	RESULT	UNITS				
DATE ANALYZED : 02/11/02 ANALYTICAL DILUTION: 20.	00						
	20	400 11	IIC/I.				
ACETONE	20 5 0	400 U 100 II					
BENZENE	5.0						
BROMODICHLOROMETHANE	5.0		т <u>с</u> /т.				
BROMOFORM	5.0	100 U					
BROMOMETHANE	5.0	200 11					
2-BUTANONE (MEK)	10	200 0					
CARBON DISULFIDE	L 0	200 0					
CARBON TETRACHLORIDE	5.0						
CHLOROBENZENE	5.0	100 0					
CHLOROETHANE	5.0	100 U					
CHLOROFORM	5.0						
CHLOROMETHANE	5.0	100 U					
DIBROMOCHLOROMETHANE	5.0	100 0	UG/L				
1,1-DICHLOROETHANE	5.0	3300	UG/L				
1,2-DICHLOROETHANE	5.0	100 0	UG/L				
1,1-DICHLOROETHENE	5.0	100 U	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>U</u>	UG/L				
1,1,1-TRICHLOROETHANE	5.0	100 Ü	UG/L				
1,1,2-TRICHLOROETHANE	5.0	. 100 U	UG/L				
TRICHLOROETHENE	5.0	100 U	UG/L				
VINYL CHLORIDE	5.0	100 U	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	(87 - 111 %)	96	8				
TOLUENE-D8	(87 - 108 %)	101	oto				
	100 117 0)	99	0				

VOLATILE ORGANICS METHOD RSK-175 MODIFIED Reported: 02/20/02

Haley & Aldrich of New York **Project Reference:** COOPERVISION #70665-007 **Client Sample ID :** MW-502

Date Sampled : 01/28/02 14:45 Order #: 528277 Sample Matrix: WATER , Date Received: 02/01/02 Submission #: R2210533 Analytical Run 74491

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.00			
ETHANE ETHANE	1.0	6.1	UG/L UG/L
METHANE PROPANE	2.0	2.7	UG/L UG/L

COLUMBIA ANALYTICAL SERVICES	5 VOLAT METHO Repor	ILE ORGANICS D 8260B TCL ted: 02/20/02				
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : OWD-302D						
Date Sampled : 01/30/02 10:30 Date Received: 02/01/02 Submi	Order #: 528278 Lssion #: R2210533	Sample Matrix: Analytical Run	WATER 74417			
ANALYTE	PQL	RESULT	UNITS			
DATE ANALYZED : 02/11/02 ANALYTICAL DILUTION: 5.	2.00					
ACE FONE BENZENE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROFTHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE 1,1,1-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE	20 5.0 5.0 5.0 10 10 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.	25 UU 25 UUU	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L			
M+P-XYLENE SURROGATE RECOVERIES	5.0 QC LIMITS	25 U	UG/L			
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	94 101 101	oro oro 010			

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LIA LI I	COLUMBIA ANALYTICAL SERVICES	VOLAT METHOI Report	ILE ORGANICS D RSK-175 MODIFIE ted: 02/20/02	D
۲۰ اد.	Haley & Aldrich of New York Project Reference: COOPERVISION #706 Client Sample ID : OWD-302D	65-007		
۲. ۲	Date Sampled : 01/30/02 10:30 Order #: Date Received: 02/01/02 Submission #:	528278 R2210533	Sample Matrix: Analytical Run	WATER 74491
٦	ANALYTE	PQL	RESULT	UNITS
۲	DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.00			
ר ר נ	ETHANE ETHYLENE METHANE PROPANE	1.0 1.0 2.0 1.0	4.1 1.0 U 13 1.7	UG/L UG/L UG/L UG/L
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COLUMBIA ANALYTICAL SERVI	CES	VOLAT] METHOI Report	ILE ORGANICS 0 8260B TCL ced: 02/20/02	
Haley & Aldrich of New Yo Project Reference: COOPER Client Sample ID : OWS-30	ork VISION #706 2S	65-007		
Date Sampled : 01/30/02 11: Date Received: 02/01/02 Su	00 Order #: bmission #:	528279 R2210533	Sample Matrix: Analytical Run	WATER 74416
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 02/09 ANALYTICAL DILUTION: 10	/02			
BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,2-DICHLOROPROPENE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE		5.0 5.0 5.0 10 10 5.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
O-XYLENE M+P-XYLENE		5.0 5.0	5000 U 5000 U	UG/L UG/L
SURROGATE RECOVERIES	QC LIM	ITS		
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - (87 - (86 -	111 %) 108 %) 117 %)	99 108 101	010 010 010 010

COLUMBIA AN	AUIILCAL SH	<u> VATCES</u>	VOLATI METHOI Report	LE ORGANICS DRSK-175 MODIFII ced: 02/20/02	ED
Haley & Ald Project Ref Client Samp	lrich of New Eerence: COC ole ID : OWS	York PERVISION #70 -3025	665-007		-
ate Sampled ate Received	: 01/30/02 l: 02/01/02	11:00 Order # Submission #	: 528279 : R2210533	Sample Matrix: Analytical Run	WATER 74491
ANALYTE			PQL	RESULT	UNITS
DATE ANALYZE ANALYTICAL D	D: 02	/08/02 1.00			
ETHANE ETHYLENE METHANE PROPANE		1	1.0 1.0 2.0 1.0	1.0 U 1.0 U 2.1 1.0 U	UG/L UG/L UG/L UG/L
					·
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COLUMBIA ANALYTICAL SERVICES	V M R	OLATI ETHOI eport	LE ORGANICS 8260B TCL ed: 02/20/02					
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : OWS-302S Date Sampled : 01/30/02 11:00 Order #: 528279 Sample Matrix: WATER								
Date Received: 02/01/02 Submiss:	ion #: R2210	533	Analytical Run	74416				
ANALYTE	P	QL	RESULT	UNITS				
DATE ANALYZED : 02/11/02 ANALYTICAL DILUTION: 2500.00								
		20	50000 U	UG/L				
DENZENE		5.0	13000 U	UG/L				
BROMODICHLOROMETHANE		5.0	13000 U	UG/L				
BROWOEVERTUNNE		5.0	13000 U	UG/L				
BROMOF ORM . DROMOMETUNIE		5 0	13000 U	UG/L				
OROMONE INANE (MEK)		10	25000 U	UG/L				
CARDON DIGILIEIDE		10	25000 U	UG/L				
CARBON DISOUFIDE		5 0	13000 11	UG/L				
CARBON IEIRACHLORIDE		5.0	13000 U					
CHLOROBENZENE		5.0	13000 11					
CHLOROETHANE		5.0 E 0	13000 11					
CHLOROFORM		5.0	13000 11					
CHLOROMETHANE		5.0	12000 11					
DIBROMOCHLOROMETHANE		5.0	270000					
1,1-DICHLOROETHANE		5.0						
1,2-DICHLOROETHANE		5.0	13000 U					
1,1-DICHLOROETHENE		5.0	13000 0					
CIS-1,2-DICHLOROETHENE		5.0	13000 U					
TRANS-1,2-DICHLOROETHENE		5.0	13000 U					
1,2-DICHLOROPROPANE		5.0	13000 U	UG/L				
CIS-1,3-DICHLOROPROPENE		5.0	13000 U	UG/L				
TRANS-1,3-DICHLOROPROPENE		5.0	13000 U	UG/L				
ETHYLBENZENE		5.0	13000 U	UG/L				
2-HEXANONE		10	25000 0	UG/L				
METHYLENE CHLORIDE		5.0	13000 U	UG/L				
4-METHYL-2-PENTANONE (MIBK)		10	25000 U	UG/L				
STYRENE		5.0	13000 U	UG/L				
1,1,2,2-TETRACHLOROETHANE		5.0	13000 U	UG/L				
TETRACHLOROETHENE		5.0	13000 U	UG/L				
TOLUENE		5.0	13000 U	UG/L				
1,1,1-TRICHLOROETHANE		5.0	13000 U	UG/L				
1,1,2-TRICHLOROETHANE		5.0	13000 U	UG/L				
TRICHLOROETHENE		5.0	13000 U	UG/L				
VINYL CHLORIDE		5.0	13000 U	UG/L				
O-XYLENE		5.0	13000 U	UG/L				
M+P-XYLENE		5.0	13000 U	UG/L				
SURROGATE RECOVERIES	QC LIMITS							
	 07 111 0.\		00	2				
4 - BROMOFLUOROBENZENE (8			90 106	о 0.				
TOLUENE-D8 (8	び/ ~ LUX る) DC ココワ の)		100	-0 9-				
DIRROMOFILIOROMETHANE ()	oo − ⊥⊥/∛)		T00	70				

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COLUMBIA ANALYTICAL SERVICE	S VOL MET Rep	ATILE ORGANICS HOD 8260B TCL orted: 02/20/02	
Haley & Aldrich of New York Project Reference: COOPERVI Client Sample ID : TRIP BLA	SION #70665-007 NK		
Date Sampled : 01/30/02 Date Received: 02/01/02 Subm	Order #: 528280 ission #: R221053	Sample Matrix: 3 Analytical Run	: WATER 1 74417
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/11/0 ANALYTICAL DILUTION: 1	2 .00		
ACETONE	2	0 20 U	UG/L
	ے ج		
ΟΟΛΛΛΤ ΩΤ ΛΟΛΜΕΨυλΜΕ		0 5 0 11	
DROMODICHLUKUMBIHANE DROMODODM			
	5. F		UC/т.
BROMOMETHANE			
2-BUTANONE (MEK)			
CARBON DISULFIDE		0 TO U	UG/L
CARBON TETRACHLORIDE	5.	0 5.0 0	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 Ŭ	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 Ŭ	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
CIG_1 3_DICULOPODROPENE	5	0 5.0 U	UG/L
TDANG_1_2_DICHLOROPROPENE			UG/L
TRANG-1,5-DICHBOROFROFBNE	5		
Z-HEAANONE MERUNI ENE CUI ODIDE			
A MEMILIENE CHLORIDE	1		
4-MEIRIL-Z-PENIANONE (MIEK)	т. Г.		
1 1 0 0 TETERACULORODOTINANE	5.		
1, 1, 2, 2-TETRACHLOROETHANE	5.	5.00 5.00	
TETRACHLOROETHENE	5.		
TOLUENE	5.1	5.00	
1,1,1-TRICHLOROETHANE	5.0		UG/L TG/T
1,1,2-TRICHLOROETHANE	5.0	5.0 U	UG/L
TRICHLOROETHENE	5.0	0 5.0 U	UG/L
VINYL CHLORIDE	5.0	D 5.0 Ŭ	UG/L
O-XYLENE	5.0	0 5.0 U	UG/L
M+P-XYLENE	5.0	0 5.0 U	UG/L
SURROGATE RECOVERIES	QC LIMITS		
	/07 111 e)	00	9
4~BROMOFLUOROBENZENE		ور ۱۹۸	-0 9
		104 20	-0 9,
DIBROMOLFOOKOMETHANE	(80 - TT (2)	98	ъ -
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VOLATILE ORGANICS METHOD: 8260B TCL

- LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 530369	ANALYT	ICAL RUN # :	74416
ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 02/08/02 ANALYTICAL DILUTION: 1.0		· · ·	······································
ANALYTICAL DILOTION: 1.0 ACETONE BENZENE BROMODICHLOROMETHANE BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROETHANE CHLOROFORM CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE	$\begin{array}{c} 20.0\\$	64 86 96 87 87 74 66 * 74 91 78 88 89 92 87 96 75 85 79 87 95 100 85 77 88	50 - 150 70 - 130 70 - 130 70 - 130 50 - 150 50 - 150 70 - 130 70 -
4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE	20.0 20.0 20.0 20.0	78 88 95 89	$70 - 130 \\ 70 - 100 \\ 70 - 100 $
<pre>IOLUENE 1,1,1-TRICHLOROETHANE I,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE</pre>	20.0 20.0 20.0 20.0 20.0	88 77 96 80 81	70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130
O-XYLENE M+P-XYLENE	20.0 40.0	86 84	70 - 130 70 - 130

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VOLATILE ORGANICS METHOD: 8260B TCL

-LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 530373	ANALYT	ICAL RUN # :	74416
- ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 02/09/02 ANALYTICAL DILUTION: 1.0	<u>, , , , , , , , , , , , , , , , , , , </u>	////////////////////////////	
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE TRANS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE TETRACHLOROETHENE TOLUENE	$\begin{array}{c} 20.0\\$	92 93 91 92 72 92 76 88 98 99 91 92 91 92 91 92 83 93 92 89 91 92 83 93 92 89 91 92 83 93 92 89 91 92 91 92 91 92 91 92 91 92 91 92 91 92 91 92 91 92 76 83 93 92 91 92 91 92 76 83 93 92 91 92 91 92 76 83 93 92 91 92 92 91 92 91 92 92 91 92 83 93 92 91 92 91 92 83 92 91 92 92 91 92 92 91 92 83 92 99 91 92 92 92 91 92 92 92 99 91 92 99 91 96 99 99 99 99 99 99 99 99 99 99 99 99	50 - 150 70 - 130 70 - 130 70 - 130 50 - 150 50 - 150 70 - 130 70 -
1,1,2-TRICHLOROETHANE TRICHLOROETHENE VINYL CHLORIDE O-XYLENE M+P-XYLENE	20.0 20.0 20.0 20.0 40.0	95 93 93 93 93	$70 - 130 \\ 70 - 100 \\ 70 - 100 $

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VOLATILE ORGANICS METHOD: 8260B TCL

-LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 530377	ANALYT	ICAL RUN # :	74417
ANALYTE	TRUE VALUE	<pre>% RECOVERY</pre>	QC LIMITS
DATE ANALYZED : 02/11/02			
ANALYTICAL DILUTION: 1.0			
	20.0	104	50 - 150
ACETONE	20.0	104	70 - 130
BENZENE	20.0	112	70 - 130
BROMODICHLOROMETHANE	20.0	111	70 - 130
BROMOFORM	20.0	±±± £7	50 - 150
BROMOMETHANE	20.0	107	50 - 150
2-BUTANONE (MEK)	20.0	100	50 - 130
CARBON DISULFIDE	20.0	100	70 - 130
CARBON TETRACHLORIDE	20.0	105	70 - 130
CHLOROBENZENE	20.0	T02	70 - 130
CHLOROETHANE	20.0	92	70 - 130
CHLOROFORM	20.0	101	70 - 130
CHLOROMETHANE	20.0	96	70 - 130
DIBROMOCHLOROMETHANE	20.0	110	70 - 130
1,1-DICHLOROETHANE	20.0	110	70 - 130
1,2-DICHLOROETHANE	20.0	113	70 - 130
1,1-DICHLOROETHENE	20.0	82	70 - 130
CIS-1,2-DICHLOROETHENE	20.0	TOT	70 - 130
TRANS-1,2-DICHLOROETHENE	20.0	95	70 - 130
1,2-DICHLOROPROPANE	20.0	99	70 - 130
CIS-1,3-DICHLOROPROPENE	20.0	107	70 - 130
TRANS-1,3-DICHLOROPROPENE	20.0	118	70 - 130
ETHYLBENZENE	20.0	96	70 - 130
2-HEXANONE	20.0	112	70 - 130
METHYLENE CHLORIDE	20.0	108	70 - 130
4-METHYL-2-PENTANONE (MIBK)	20.0	113	70 - 130
STYRENE	20.0	106	70 - 130
1,1,2,2-TETRACHLOROETHANE	20.0	114	70 - 130
TETRACHLOROETHENE	··· 20.0	96	70 - 130
TOLUENE	20.0	99	70 - 130
1,1,1-TRICHLOROETHANE	20.0	89	70 - 130
1,1,2-TRICHLOROETHANE	20.0	111	70 - 130
TRICHLOROETHENE	20.0	92	70 - 130
VINYL CHLORIDE	20.0	94	70 - 130
O-XYLENE	20.0	99	70 - 130
M+P-XYLENE	40.0	95	70 - 130

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VOLATILE ORGANICS METHOD 8260B TCL Reported: 02/20/02

Date Sampled : Date Received:	Order Submission	#: 53 #:	0368	Sample Matrix: Analytical Run	WATER 74416
ANALYTE			PQL	RESULT	UNITS
DATE ANALYZED : 02,	/08/02				
ANALYTICAL DILUTION:	1.00				
			20		
ACETONE			20		
BENZENE			5.0	5.0 0	
BROMODICHLOROMETHANE			5.0	5.0 U	
BROMOFORM			5.0	5.0 U	
BROMOMETHANE			5.0	5.0 0	
2-BUTANONE (MEK)			10		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 Ŭ	· UG/L
CIS-1,3-DICHLOROPROPENE			5.0	5.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	2		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 (MIF	SK)		10	10 U	UG/L
STYRENE	,		5.0	5.0 U	UG/L
1.1.2.2-TETRACHLOROETHANE	6		5.0	5.0 U	UG/L
L, L, L, L, L L L L L L L L L L L L L L	-		5.0	5.0 U	UG/L
TOLUENE			5.0	5.0 U	UG/L
			5.0	5.0 TT	UG/T
1 1 2 - TRICHLORORTHANE			5.0	5.0 11	UG/T
PRICHLOROFTHENE			5.0	5.0 II	UG/T
VINVI. CHIORIDE			5 0	5 0 U	UG/T
VINID CHLORIDE			5.0		
ATTENE N'D-AATENE			5.0		<u>ПС/т.</u>
1TE TAILDNΩ			0.0	5.0 0	UU/ H
SURROGATE RECOVERIES	QC I	IMITS			
4-BROMOFLUOROBENZENE	(87	- 111	옹)	95	010
TOLUENE-D8	(87	- 108	8) 8	103	90
		700	¥)	200	~

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VOLATILE ORGANICS METHOD 8260B TCL Reported: 02/20/02

Date Received:	Submission	#: 5 #:	50572	Anal	ytical Run	WAIER 74416
ANALYTE			PQL		RESULT	UNITS
DATE ANALYZED : 02	/09/02					
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
PROMOEDEMENTING			5 0		5.0 Ŭ	UG/L
BROMOF ORM DDOMOMÉNTUD NE			5 0		501	
			10			<u>та/т</u> .
Z-BUTANUNE (MEK)			10			UG/Ц ПС/Т.
CARBON DISULFIDE			~			
CARBON TETRACHLORIDE			5.0		5.0 0	
CHLOROBENZENE			5.0		5.0 U	UG/L
CHLOROETHANE			5.0		5.0 Ŭ	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
CIC-1 2-DICULOROBILIDICE			5 0		5.0 U	UG/L
TOTATION TO DICHLOROGIIIGNE			5.0		5011	
IRANS-1, Z-DICHLOROEINENE			5.0		5.0 0	
1, 2-DICHLOROPROPANE			5.0		5.00	
CIS-1,3-DICHLOROPROPENE	_		5.0			
TRANS-1,3-DICHLOROPROPEN	F.		5.0		5.0 0	
ETHYLBENZENE			5.0	•	5.0 0	UG/L
2-HEXANONE			10		10 U	UG/L
METHYLENE CHLORIDE			5.0		5.0 Ŭ	UG/L
4-METHYL-2-PENTANONE (MI	BK)		10		10 U	UG/L
STYRENE			5.0		5.0 U	UG/L
1,1,2,2-TETRACHLOROETHAN	E		5.0		5.0 U	UG/L
TETRACHLOROETHENE			5.0		5.0 U	UG/L
TOLUENE			5.0		5.0 U	UG/L
			5.0		5.0 U	UG/L
			5 0	-	5.0 U	UG/L
T, T, Z-IKICHDOKOBIHAND			5.0		5.0 11	UG/T
			5.0			
VINIT CHLOKIDE			5.U F 0			
			5.0			
M+P-XYLENE			5.0		5.0 U	ىل /ئ _ا ن
SURROGATE RECOVERIES	QC I	LIMIT	S			
		_ 11	 1 응)		98	8
TOTUENE DO	(07	_ 10	- 0/ 8 &)		103	0k
TOTORNE-D8	(87	- TO	u ~o)		T ()	0

VOLATILE ORGANICS METHOD 8260B TCL Reported: 02/20/02

Date Sampled : Date Received:	Order #: Submission #:	530374	Sample Matrix: Analytical Run	WATER 74417
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 02	2/11/02			
ANALYTICAL DILUTION:	1.00			
		20	20 II	TIG/T.
ACETONE		20 E 0	501	
BENZENE		5.0		
BROMODICHLOROMETHANE		5.0		
BROMOFORM		5.0	5.00	
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-DICHLOROFTHANE		5.0	5.0 U	UG/L
1 2-DICHLOROFTHANE		5.0	5.0 U	UG/L
1 1 DICHLOROETHANE		5.0	5.0 U	UG/L
I, I-DICHLOROBIHENE		5.0	5 0 11	UG/L
CIS-I, Z-DICHLOROBINENE		5.0	5 0 11	
TRANS-1, 2-DICHLOROETHENI	E,	5.0	5.00	
1,2-DICHLOROPROPANE		5.0		
CIS-1, 3-DICHLOROPROPENE		5.0		
TRANS-1,3-DICHLOROPROPE	NE	5.0	5.0 U	
ETHYLBENZENE		5.0	5.0 U	UU/Ц
2-HEXANONE		10	_10 U	UG/Ц
METHYLENE CHLORIDE		5.0	5.0 U	UG/L
4-METHYL-2-PENTANONE (M	IBK)	10	10 U	UG/L
STYRENE		5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHAL	NE	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 - TRICHLOROFTHANE		5.0	5.0 U	UG/L
TRICHLORORTHENE		5.0	5.0 U	UG/L
		5.0	5.0 U	UG/L
V AAI DNE Atuiti cutokide		50	50 U	UG/L
V-AILENE MAD VVIENE		5.0	5 0 11	UG/L
M+F-VIDENE		5.0	9.00	···/
SURROGATE RECOVERIES	QC LIM	IITS		
4-BROMOFILIOROBENZENE	(87 -	111 8) .	100	00
TOULOF TOOLODDINGENE	(87 -	108 %)	106	00
	(07 - /0c	117 21		e R
DIBROMOLFOOKOMELHANE	(80 -	71/2/	22	0

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VOLATILE ORGANICS METHOD: RSK-175 MODIFIED

JABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #:	530766	ANALYT	ICAL RUN # :	74491
- ANALYTE		TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : ANALYTICAL DILUTION:	02/07/02 1.0	· .	•	
- ETHANE ETHYLENE METHANE PROPANE		30.5 28.5 16.3 45.4	73 82 80 82	50 - 150 50 - 150 50 - 150 50 - 150

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VOLATILE ORGANICS

METHOD RSK-175 MODIFIED Reported: 02/20/02

ate Sampled : ate Received:	Order #: Submission #:	530765	Sample Matrix: Analytical Run	WATER 74491
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : ANALYTICAL DILUTION:	02/08/02 1.00			
THANE THYLENE IETHANE YROPANE		1.0 1.0 2.0 1.0	1.0 U 1.0 U 2.0 U 1.0 U	UG/L UG/L UG/L UG/L
	1			
				31

	CUSTO	UY/LABÚR -0859 • (716) 288-5380 •	AI URY-1 • 800-695-7222 x1	a NALY SIS 'HEQUE 1. FAX (716) 288-8475	LOT FURM SH	Contact
Project Name CONFERVISION	Project Number 70 CLC 57 - C	67		ANALYSIS REQUESTED (11-	nclude Method Number and Containe	er Preservative)
Project Manager VINCE DICK	Report CC		PRESERVAT	IVE		
Company/Address HALEY & AIDPLICIT	of NEW YORK		SH	28 808/ 808/ 808/		0. NONE 1. HCL
200 TOWN CENT	RE DUVE SUTE	2	3NIATI	$\left \begin{array}{c} E \\ C \\$	10000000000000000000000000000000000000	2: HNO3 3: H2SO4 4 NaOH4
ROCHESTER , N'	Y 14623					5. Zn. Acetate 6. MeOH
Phone # 359 - 9000	FAX# 359-46	50	NO NO			6. Other
Sampler's Signature Rolling	Sampler's Printed Name	ottite	NUN	16 84 0 89 1 89 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY SA LAB ID DATE	AMPLING E TIME MATR	×			
MW-202	528269 1/18/	12 12:45 14.0	3 X			
MW-203	ୁ ସେହରମାଠ ।/ମ୍ବ/	22 8:45 H-1	X 2 X			
MW-204	saean ihila	22 11:00 HZ	0 Z X			
MW-205	228272 [18]	oc 12:00 14 0	x 9		×	
MW-2	SOBATS (na)	02 2:00 Hr.C	2 2 2 2			
0W-304	1941 HERRO	12 9:20 H2	0 3 X			
MW-401	508275 1/13/1	2 1:40 H2	O 3 X			
MW-402	52800 6 1121	22 12:00 H2	0 3 X			
MW-103 *	1/24/ Creft	02 11:15 11-20	D C		X	#Indd ope Sue Poole
MW-502	528a771128	02 2:45 Hr.C	2 6 X			
SPECIAL INSTRUCTIONS/COMMENTS Metals				TURNAROUND REQUIREMENTS 	KEPORT REQUIREMENTS	INVOICE INFORMATIÓN
				24 hr 5 day	I. Results + OC Summaries	PO#
				X STANDARD	(100) AUM MS/MS/ 45 (Equired)	BILL TO: _ ANV
				REQUESTED FAX DATE	Summaries	. 45
				REQUESTED REPORT DATE	IV. Data Validation Report with Raw Data	
See QAPP			-		V. Speicalized Forms / Custom Report	-
SAMPLE RECEIPT: CONDITION/COOL		CUSTODY S	EALS: Y N		Edata Yes No	844434 (O 233)
	RECEIVED BY	RELINQUISH	ED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
"Licrotunet the	Signature Marine Curry	Signature		Signature	Signature	Signature
	Printed Name / Emerican	Printed Name		Printed Namo	Printed Name	Printed Name
	Fim V CRS	Firm		Firm	Firm	Eim
Date/Fifne	Date/Time 2-1-02 11:10 0	Date/Time		Date/Time	Date/Time	Date/Time
Distribution: While - Return to Originator, Yeliow	v - Lab Copy; Pink - Retained by Cilent				ų.	H3830 scoc-111-18

		EST FURM SET	
An Employee-Owned Company One Mustard St., Sulle 250 • Hoonester, NY 14609-0859 • (/1b) 288-5380 • 800-695-72 www.castab.com	2 X11 • FAX (/16) 288-84/5 PACE		contact
Project Name COOPERVISION Project Number	ANALYSIS REQUESTED (In	clude Method Number and Container	* Preservative)
Project Manager UNCE DICK Report CC	AVATIVE		
Company/Address HALEY & ALDEICH & F NEW YORK	$\left \right \left \left \right \left \left \frac{82}{5} \right _{1}^{\infty} \right _{2}^{\infty} \right _{2}^{\infty}$		Preservative Key 0. NONE 1. HCL
200 TOWN CENTRE DRIVE SUITE 2			/ 2. HNO3 3. H>SO4 4. NãOH
Rockester , NY 14623	28 0 28 0 18 0 18 0 18 0 18 0 18 0 18 0		5. Zn. Acetate 6. MeOH 7. NaHSO
Prome # 359-9000 FAXE 359-4650			8. Other
Sampler's Signal Ream Rame Sampler's Printed Name Sampler's Signal of Sampler's Printed Name Sampler's Signal of Sampler's Signal of Sampler's Sampler's Signal of Sampler's Sampler's Signal of Sampler's Sam	28/58/58/58/98/28/20/20 8/62/58/28/28/20/20/20/20/20		AITERNATE DESCRIPTION
CLIENT SAMPLE ID LAB ID DATE TIME MATRIX			
OWD-3020 538278 15402 10:30 H.0 6	2	×	
0 WS - 302 5 288279 430/02 11:00 400 6		X	
TRIP BLANK 528280 MO 3)			
SPECIAL INSTRUCTIONS/COMMENTS Metals	TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY)	K REPORT REQUIREMENTS	INVOICE INFORMATION
	24 hr 48 hr 5 dav	I Douille - Of Summarian	
	STANDARD	(LCS, DUP, MS/MSD as required)	
	RÉQUESTED FAX DATE	111. Results + QC and Calibration	BIT LO:
	REQUESTED REPORT DATE	IV: Data Validation Report with Raw Data	ч.
See OAPP		V. Speicalized Forms / Custom Report	R2210533
SAMPLE RECEIPT: CONDITION/COOLER TEMP: 1*C CUSTODY SEALS: Y N		EdataYesNo	SUBMISSION #:
S BELINQUISHED BY RECEIVED BY RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature Am Bhanil, Signature And A Marcury Signature	Signature	Signature	Signature
Printed Name A Printed Name DY G. Esmenjan Printed Name	Printed Name	Printed Name	Printed Name
	Firm	Firm	Firm
DateAtime DateAtime D-1-Doi 10:00 DateAtime	Date/Time	Date/Time	Date/Fime
Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client		t	A C C C 101-08

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SOP	No.:	Sľ	40-	GEI	N
	Re	vis	ion	No.	1
	Dat	e:	01/	11/0	2
	Pa	age	:13	of 1	4

						-		C
	C	ooler]	Receip	ot And Preservation) Check	c Form		
roject/Client	1+A		S	ubmission Number_	Ra	20162	533	
Cooler received on 2	_1-02 by:	ATE	C	COURIER: CAS	UPS	FEDEX	CD&L (CLIEI
Were custody Were custody Did all bottles Did any VOA Were Ice or Where did the	seals on outside papers properly f sarrive in good co vials have signif ce packs present? bottles originate	of cool filled o onditio: icant a ?	er? ut (ink n (unb ir bubl	roken)? ples?		YES NO YES NO YES NO YES NO YES NO CAS/ROC	>)n/a ⇒ Clieni	Γ
l'emperature	of cooler(s) upon	oo.	 	Ves Ves	Yes	Yes	Yes	
Is the tempe	rature within 0° - 0° C		1	No No	No	No	No	
Date/Time	- Temperatures T	aken:	à	-1-02@10	: 04			
			Cemp H	Blank) Sample Bot	ile Co	ooler Temp.	IR. Gui	1
	•							
4. Air Samples: Explain any discrepa	Cassettes / Tub	es Inta	.ct	Canisters Pressurize	d To	edlar® Bag	s Inflated (
		YES	NO	Sample I.D.	Reagen	1	Vol. Added	
- Ha	Reagent							
12	N₂OH							
2	HNO,							
2	H₂SO₄		<u> </u>				_	
Residual Chlorine (+/-)	for TCN & Phenol							
5-11 pH slurry*	CLP SVOA		T				<u> </u>	
5-9 pH slurry*	CLP* P/PCBs				<u></u>	<u> </u>		
5-9**	P/PCBs (608 only)]					
YES = All samples OK *Do not adjust pHI Repo	NO = San rt in C/N **If pH a	nples we djustmer	re prese nt is requ	rved at lab as listed uired, use NaOH and/or H	PC OK I₂SO₄	to adjust pH_		
VC (C Vial pH Verificatio Tested after Analysis) Following Samples Exhibited pH > 2	n						

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Other Comments:

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A FULL SERVICE ENVIRONMENTAL LABORATORY

March 4, 2002

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

PROJECT: COOPERVISION #70665-007 Submission #:R2210705

Dear Mr. Dick:

Enclosed are the analytical results of the analyses requested. The analytical data was provided to you on 03/01/02 per a Facsimile transmittal. All data has been reviewed prior to report submission.

Should you have any questions please contact me at (716) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Bunka aven

Karen Bunker Project Manager

Enc.

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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 #70665-007
Lab Submission $\#$:	R2210705
Project Manager :	Karen Bunker
Reported :	03/04/02

Report Contains a total of 13 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. Muchan Kilenny



CASE NARRATIVE

This report contains analytical results for the following samples: Submission #: R2210705

Lab ID	<u>Client ID</u>
531220	MW - 3
531221	MW-501
531222	TRIP BLANK 2-15

All samples were received in good condition.

All samples have been analyzed by the approved methods cited on the analytical results pages.

- All holding times and associated QC were within limits.

No analytical or QC problems were encountered.



Effective 2/8/02

CAS LIST OF QUALIFIERS

- U Indicates compound was analyzed for but was not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. For further explanation see case narrative / cover letter.
- B This flag is used when the analyte is found in the associated blank as well as in the sample.
- E This flag identifies compounds whose concentrations exceed the calibration range.
- A This flag indicates that a TIC is a suspected aldol-condensation product.
- N Spiked sample recovery not within control limits. (Flag the entire batch - Inorganic analysis only)

* - Inorganic Duplicate analysis not within control limits. Flag the entire batch - Inorganic analysis only

- * Organics QC data outside limits.
- D Spike diluted out.
- S Reported value determined by Method of Standard Additions. (MSA)

X - As specified in the case narrative.

CAS/Rochester Lab ID # for State Certifications

American Industrial Hygiene Assoc. ID #:100314 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 Rhode Island ID # 158 South Carolina ID #91012 West Virginia ID # 292



COLUMBIA ANALYTICAL SERVICES		VOLAT METHOI Report	ILE ORGANICS D 8260B TCL Led: 03/04/02	
Haley & Aldrich of New York Project Reference: COOPERVISIC Client Sample ID : MW-3)N #706	65-007		
Date Sampled : 02/15/02 10:45 Or Date Received: 02/15/02 Submiss	der #: ion #:	531220 R2210705	Sample Matrix: Analytical Run	WATER 74841
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 02/25/02 ANALYTICAL DILUTION: 50.00)		· · ·	· · ·
		20	1000 11	
ACEIONE		 		
BENZENE DROMORIOUI OROMERUINE		5.0		
BROMODICHLOKOMETHANE	-	5.0		
BROMOFORM		5.0	250 U	
BROMOMETHANE		5.0	250 U	
2-BUTANONE (MEK)		10	500 U	
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	250 U	UG/L
CHLOROFORM		5.0	250 Ŭ	UG/L
CHLOROMETHANE		5.0	250 U	UG/L
DIBROMOCHLOROMETHANE		5.0	250 U	UG/L
1,1-DICHLOROETHANE		5.0	2800	UG/L
1,2-DICHLOROETHANE		5.0	250 U	UG/L
1,1-DICHLOROETHENE		5.0	2000	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
FTHVI.DENZENE		5 0	250 II	UG/L
2 - UEYNNONE		10	500 U	
Z-IIMANONE METUVI, ENE CULOZINE		5 0	250 11	
A METHIDENE CHOOLIDE A METHUYI 2 DENIRANONE (MIEK)		10	500 U	
OTVDENE		5 0		
		5.0	250 0	
T, T, Z, Z-IETRACHLOROEINANE		5.0		UG/L
TETRACHLOROETHENE		5.0		
TOLUENE		5.0	∠⊃U U	
1, 1, 1-TRICHLOROETHANE		5.0	9100	
1,1,2-TRICHLOROETHANE		5.0	250 U	
TRICHLOROETHENE		5.0	250 U	UG/L
VINYL CHLORIDE		5.0	250 U	
O-XYLENE		5.0	250 U	UG/L
M+P-XYLENE		5.0	250 U	UG/L
SURROGATE RECOVERIES	QC LIMI	ITS		
4 - BROMOFILIOROBENZENE	87 - 1	111 응)	99	8
TOLUENE-D8	87 – 1	108 %)	105	2
DIBROMOFLIOROMETHANE (86 - 1	17 %)	- 05	2
DIBRONOT BOOKONBILIAND	.00 - 1			<u>.</u>

Haley & Aldrich of New York Project Reference: COOPERVISION #7066 Client Sample ID : MW-3 Pate Sampled : 02/15/02 10:45 Order #: Pate Received: 02/15/02 Submission #: ANALYTE DATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00	55-007 531220 R2210705 PQL	Sample Matrix: Analytical Run RESULT	WATER 74992
Pate Sampled : 02/15/02 10:45 Order #: Date Received: 02/15/02 Submission #:ANALYTEDATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00	531220 R2210705 PQL	Sample Matrix: Analytical Run RESULT	WATER 74992
ANALYTE DATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00	PQL	RESULT	
DATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00			UNITS
THANE THYLENE IETHANE ROPANE	1.0 1.0 2.0 1.0	3.9 1.0 U 20 2.0	UG/L UG/L UG/L UG/L
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		ъ.,	

COLUMBIA ANALYTICAL SERVICE	<u>s</u>	VOLAT METHOI Report	ILE ORGANICS D 8260B TCL Led: 03/04/02	
Haley & Aldrich of New York Project Reference: COOPERVI Client Sample ID : MW-501	SION #70	665-007		
Date Sampled : 02/15/02 09:45 Date Received: 02/15/02 Subm	Order # ission #	: 531221 : R2210705	Sample Matrix: Analytical Run	WATER 74841
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 02/23/0 ANALYTICAL DILUTION: 5	2.00			
A CETONE		20	100 H	UG/L
RENZENE		5.0	25 U	UG/L
ROMODICHLOROMETHANE		5.0	25 U	UG/L
ROMOFORM		5.0	25 U	UG/L
BROMOMETHANE		5.0	25 U	UG/L
-BUTANONE (MEK)		10	50 U	UG/L
ARBON DISULFIDE		10	50 U	UG/L
ARBON TETRACHLORIDE		5.0	25 U	UG/L
HLOROBENZENE		5.0	25 U	UG/L
HLOROETHANE		5.0	25 Ŭ	UG/L
THLOROFORM		5.0	25 U	UG/L
THOROMETHANE		5.0	25 U	UG/L
TBROMOCHLOROMETHANE		5.0	25 U	UG/L
1-DICHLOROFTHANE		5.0	960	UG/L
2-DICHLOROETHANE		5.0	25 U	UG/L
1 1-DICHLOROFTHENE		5.0	25 U	UG/L
TS-1 2-DICHLOROETHENE		5.0	25 U	UG/L
TRANS-1 2-DICHLOROETHENE		5.0	25 U	UG/L
1 2 DICHLOROPRODANE		5.0	25 11	UG/L
TS-1 3-DTCHLOROPROPRNE		5.0	25 U	UG/L
TRANS-1 3-DICHLOROPROPENE		5.0	25 U	UG/L
THYLRENZENE		5.0	25 U	UG/L
-HEXANONE		10	50 U	UG/L
AETHYLENE CHLORIDE		5 0	25 U	UG/L
4-METHYL-2-PENTANONE (MIRK)		10	50 U	UG/L
STYRENE		5.0	25 U	UG/L
1,2,2-TETRACHLOROETHANE		5.0	25 Ū	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
FRICHLOROETHENE		5.0	25 U	UG/L
VINYL CHLORIDE		5.0	25 U	UG/L
D-XYLENE		5.0	25 U	UG/L
M+P-XYLENE		5.0	25 U	UG/L
SURROGATE RECOVERIES	QC LII	AITS		
	(87 -	117 2)	99	2
Ŧ - dromof hoorodenaene Molitene - ds	(87 -	108 %)	106	ok ok
LABOWORTIODOWEMHAME DIBBOWORTIODOWEMHAME	(86 -	117 %)	101	9
DI BROMOF HOOROME I NAME	(00 -	(D)	101	U

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COLUMBIA	ANALYTICAL SI	<u>ERVICES</u>	VOLAT METHOI Report	ILE ORGANICS D RSK-175 MODIFI ced: 03/04/02	ED			
Haley & Aldrich of New York Project Reference: COOPERVISION #70665-007 Client Sample ID : MW-501								
ate Sample ate Receiv	d : 02/15/02 ed : 02/15/02	09:45 Order # Submission #	: 531221 : R2210705	Sample Matrix: Analytical Run	WATER 74992			
ANALYTE			PQL	RESULT	UNITS			
DATE ANALY ANALYTICAL	ZED : 02 DILUTION:	2/27/02 1.00						
THANE THYLENE ETHANE ROPANE			1.0 1.0 2.0 1.0	1.8 1.2 20 1.0 U	UG/L UG/L UG/L UG/L			
					·			
					· _			

COLUMBIA ANALYTICAL SERVICES	<u>5</u> WETHOI Report	ILE ORGANICS D 8260B TCL Led: 03/04/02	
Haley & Aldrich of New York Project Reference: COOPERVIS Client Sample ID : TRIP BLAN	SION #70665-007 NK 2-15		
Date Sampled : 02/15/02 Date Received: 02/15/02 Subm:	Order #: 531222 ission #: R2210705	Sample Matrix: Analytical Run	WATER 74841
ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 02/25/02 ANALYTICAL DILUTION: 1	2.00		
ACETONE BENZENE BROMODICHLOROMETHANE BROMOFORM BROMOMETHANE 2-BUTANONE (MEK) CARBON DISULFIDE CARBON TETRACHLORIDE CHLOROBENZENE CHLOROBENZENE CHLOROFORM CHLOROMETHANE DIBROMOCHLOROMETHANE 1,1-DICHLOROETHANE 1,2-DICHLOROETHANE 1,2-DICHLOROETHENE CIS-1,2-DICHLOROETHENE TRANS-1,2-DICHLOROETHENE 1,2-DICHLOROPROPANE CIS-1,3-DICHLOROPROPENE ETHYLBENZENE 2-HEXANONE METHYLENE CHLORIDE 4-METHYL-2-PENTANONE (MIBK) STYRENE 1,1,2,2-TETRACHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE 1,1,2-TRICHLOROETHANE TRICHLOROETHENE	5.0 5.0 5.0 5.0 10 10 5.	$\begin{array}{c} 5.0 \ U \\ 10 \ U \\ 10 \ U \\ 5.0 \ U \ 5.0 \ U \\ 5.0 \ U \ 5.0 \ U \\ 5.0 \ U \ 5.0 \ U \\ 5.0 \ U \ 5$	UG/L UG/L UG/L UG/L UG/L UG/L UG/L UG/L
O-XYLENE M+P-XYLENE	5.0	5.0 U 5.0 U	UG/L UG/L
SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE TOLUENE-D8 DIBROMOFLUOROMETHANE	(87 - 111 %) (87 - 108 %) (86 - 117 %)	100 105 104	oto oto 0

VOLATILE ORGANICS METHOD 8260B TCL Reported: 03/04/02

Date Sampled : Date Received:	Order Submission	: #: . #:	533	145	Sample Matrix Analytical Ru	x: WATER m 74841
ANALYTE				PQL	RESULT	UNITS
DATE ANALYZED : 0	2/23/02					
ANALYTICAL DILUTION:	1.00					
ACETONE				20	20 U	UG/L
PEN7ENE				5.0	5.0 U	UG/L
				5 0	5 0 11	
BROMODICHLOROMEIIANE BROMOEODM				5.0	501	
	`.			5 0	501	
				10	10 17	
ZTOUIANUNE (MEA)				10		па/т.
CARBON DIBUDITIDE				E 0		
				5.0		נופים זופיז
CHLOROBENZENE				5.0	5.00	
CHLOROETHANE				5.0	5.0 0	
CHLOROFORM				5.0	5.0 0	
CHLOROMETHANE				5.0	5.0 0	
DIBROMOCHLOROMETHANE				5.0	5.0 0	
1,1-DICHLOROETHANE				5.0	5.0 U	UG/L
1,2-DICHLOROETHANE				5.0	5.0 0	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-DICHLOROETHEN	E			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 Ŭ	UG/L
TRANS-1,3-DICHLOROPROPE	NE			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 (M	IBK)			10	10 U	UG/L
STYRENE				5.0	5.0 U	UG/L
1,1,2,2-TETRACHLOROETHA	NE			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
IRICHLOROETHENE				5.0	5.0 U	UG/L
VINYL CHLORIDE	•			5.0	5.0 U	UG/L
D-XYLENE				5.0	5.0 U	UG/L
M+P-XYLENE				5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC	LIMI	TS			
4 - BROMOFILIOROBENZENE	(87	_ 1	 11 9	k)	102	8
±− βλομοι ποογοβεμγεμε Γοι πενιτ-d8	(07 (27	_ 1	08 3	5) 5)	108	e e
	(07	- 1 _ 1	17 9	ッ/ ト \	100	\$ \$
JI BROMOFLUOROMETHANE	(86)	- T	. 1 / '	5/	LUZ	TO

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VOLATILE ORGANICS METHOD 8260B TCL Reported: 03/04/02

Date Received:	Submission	#: 533⊥48 #:	Sample Matrix: Analytical Run	WATER 74841
ANALYTE		PQL	RESULT	UNITS
DATE ANALYZED : 0	2/25/02	······································		
ANALYTICAL DILUTION:	1.00		· · ·	
		20	20 U	UG/L
ACEIONE DENZENE		5 0	5 0 U	
SENGENE		5.0	507	
BROMODICHLOROMETHANE		5.0	5.00	
3ROMOF'ORM		5.0	5.0 0	
BROMOMETHANE		5.0	5.0 0	
2-BUTANONE (MEK)		10	10 0	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
THLOROMETHANE		5.0	5.0 U	UG/L
TBROMOCHLOROMETHANE		5.0	5.0 U	UG/L
		5 0	5.0 U	UG/L
		5.0	5 0 U	
L, Z-DICHLOROEIHANE		5.0	5.0 11	
L, I-DICHLOROEIHENE		5.0	5.00	
JIS-I, 2-DICHLOROETHENE	_	5.0	5.00	
FRANS-1,2-DICHLOROETHEN.	R.	5.0	5.0 0	
1,2-DICHLOROPROPANE		5.0	5.0 0	UG/L
CIS-1,3-DICHLOROPROPENE		5.0	5.0 U	· UG/L
FRANS-1,3-DICHLOROPROPE	NE	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 (M	IBK)	10	10 U	UG/L
STYRENE	,	5.0	5.0 U	UG/L
	VE	5.0	5.0 U	UG/L
TETRACHIOROGIUM TETRACHIOROGUTENE	··	5 0	5.0 U	UG/L
TOTHER TOTAL TIPNE		5.0	5.0 II	UG/L
		5.0		
I, I, I-TRICHEOROETHANE		·		
I, I, Z-TRICHLOROETHANE		·		
TRICHLOROETHENE		5.0	5.0 0	년 (민)
VINYL CHLORIDE		5.0	5.0 0	UG/L
)-XYLENE		5.0	5.0 U	UG/L
4+P-XYLENE		5.0	5.0 U	UG/L
SURROGATE RECOVERIES	QC :	LIMITS		
4 - BROMOFLUOROBENZENE	(87	- 111 %)	100	010
	107	<u> </u>		-
POLIENE DO	107	- 108 2)	107	2

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VOLATILE ORGANICS METHOD RSK-175 MODIFIED Reported: 03/04/02

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ANALYTE PQL RESULT UNITS DATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00 : 0 U UG/L STHANE 1.0 1.0 U UG/L : 0 UG/L PROPANE 1.0 1.0 U UG/L : 0 UG/L	Date Sampled : Date Received:	Order f Submission f	: 534270 :	Sample Matrix: Analytical Run	WATER 74992		
DATE ANALYZED : 02/27/02 ANALYTICAL DILUTION: 1.00 ETHANE 1.0 1.0 U UG/L ETHANE 2.0 2.0 U UG/L ETHANE 1.0 1.0 U UG/L PROPANE 1.0 1.0 U UG/L PROPANE 1.0 1.0 U UG/L ANALYTICAL DILUTION: 1.0 U UG/L PROPANE 1.0 1.0 U UG/L ANALYTICAL DILUTION: 1.0 U UG/L PROPANE 1.0 1.0 U UG/L HERE 1.0 1.0	ANALYTE		PQL	RESULT	UNITS		
THANE 1.0 1.0 U UG/L THYLENE 1.0 1.0 U UG/L AETHANE 2.0 2.0 U UG/L PROPANE 1.0 1.0 U UG/L	DATE ANALYZED : ANALYTICAL DILUTION:	02/27/02 1.00					
	ETHANE ETHYLENE METHANE PROPANE		1.0 1.0 2.0 1.0	1.0 U 1.0 U 2.0 U 1.0 U	UG/L UG/L UG/L UG/L		
	°н.						
·							
Busical Name							
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CONTRACTOR	Project Number 70665-0	07			ANALYSIS REQUESTED (Include Method Number and Containe	r Preservative)
Vince Dick	Report CC			HESERVA	VTIVE V		
UNACTES 200 TC	uen Centre D	rive					Preservative Ke
Rochester, NY	14623				2 2 2 2 2 2 2 2 2 2 2 2 2 2		2. HNO3 3. H2SO4 4. NãOH 5. Zh. Acetate
759, 9000	FAX8 359 41	50			0 80 001 00 00 00 00 00 00 00 00 00 00 00 0		0. MeOn 7. NaHSO4 8. Other
Implers Signature	Sampler's Printed Name	mazauw	, CZ,		8682 - 5815 8 K 6 K 6 K 6		
CLIENT SAMPLE ID	FOR OFFICE USE ONLY DA	SAMPLING ATE TIME	MATRIX				
ML0-3	531330 D/	15 1045	AQ (РX		×	
MW-501	saraan ji	15 94S		ρX		×	
Trip Blank 2-15	53/200 -	1	4	3 X			
			•				-
		•					
PECIAL INSTRUCTIONS/COMMENTS					TURNAROUND REQUIREMENTS 	REPORT REQUIREMENTS	INVOICE INFORMATION
					24 hr 48 hr 5 dav		
					X STANDARD	(LCS, DUP, MS/MSD as required)	POR AN AN
	·				RÉQUESTED FAX DATE	III. Results + QC and Calibration Summaries	
·					REQUESTED REDORT DATE	IV. Data Validation Report with Raw Data	5
ee QAPP						V. Speicalized Forms / Custom Report	2
AMPLE RECEIPT: CONDITION/CO	OLER TEMP: 11	cus	TODY SEALS	Z ≻		EdataYesNo	SOLUTION AND INTO A COLUMNIS
C GELINOULSHED BY	RECEIVED BY		INQUISHED BY		RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Son Annonicz	Signature Andre Plane CUM	> Signature			Signature	Signature	Signature
inted Mame -	Printed Name V Di Merila	D Printed Name			Printed Name	Printed Name	Printed Name
2/15 120S	FILM CAS	Firm			Firm	Firm	Him
ate/Timé		C Date/Time			Date/fime	I Data/Time	

TT YSY

	C	ooler l	Receip	t And Preservatio	on Check	Form		
Project/Client	A			ubmission Number	Raa	3107	05	
Cooler received on $\underline{\partial}$	-15-02 by:	Æ	C	OURIER: CAS	UPS	FEDEX	CD&L	CLIENT
 Were custody Were custody Did all bottles Did any VOA Were Ice or I Where did the Temperature 	seals on outside of papers properly f arrive in good co vials have signifi ce packs present? bottles originate? of cooler(s) upon p	of cool illed or indition cant ai cant ai receipt	er? ut (ink, 1 (unbi ir bubb	, signed, etc.)? oken)? les?	<	YES NO YES NO YES NO YES NO YES NO CAS/RO	DN/A	JT
Is the tempe	rature within 0° - 6° C	- C?:	Y	es Yes	Yes	Ye	s Ye	s
If No, Expl	ain Below			No	Non	No	No	
Date/Time	e Temperatures Ta	ken:	_d=	5-02 @	10.10			
Thermometer ID: IR-GUN Temp Blank Sample Bottle Cooler Temp. (IR. Gun								
mermometer m. <u></u>								
If out of Temperature, Client Approval to Run Samples <u>4 DT 100000000000000000000000000000000000</u>								
 Were all both Did all both Were correct Air Samples: 	labels and tags ag containers used fo Cassettes / Tub	gree wi or the t es Inta	th cust ests ind ct (ody papers? dicated? Canisters Pressurize	ed Tec	VES N VES N ilar® Bag	VO VO 38 Inflated	N/A
				I				
		YES	NO	Sample I.D.	Reagent		Vol. Addeo	<u> </u>
pH	Reagent							
12	NaOH							
2	HNO3				<u> </u>			
. 2	H ₂ SO ₄							
Residual Chlorine (+/-)	for TCN & Phenol							
5-11 pH slurry*	CLP SVOA							
5-9 pH sluту*	CLP* P/PCBs							
5-9**	P/PCBs (608 only)]
YES = All samples OK	NO = Sam	ples we	re preser	ved at lab as listed	PC OK to	o adjust pH_		
Do not adjust pHI Repo VC (C Vial pH Verification C Vial pH Verification Fosted after Analysis) Following Samples Exhibited pH > 2	1	it is <u>requ</u>					
								
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APPENDIX D

WASTE MANAGEMENT RECORDS

NYG 2973609

Please type or print. Do not staple

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In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-3322

SIATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

(Hažartaus Wasta Masifast 1/5/00)

	a dani di si	O. BOX 12020, Albuny,	INGW	IUIK 12	6414		•	
	WASTE MANIFEST	JS EPA ID No. Mar	nifest Do	oc. No. 2	. Page	1 of Informati is not rec	on within uired by F	heavy bold line ederal Law.
	3.Generator's Name and Mailing Address Coo	er Vision		Α.		NVA 20	720	0.0
	711 North Road Scotrowille NY 14546-1238				Gener	NYG 29	130	09
	4. Generator's Telephone Number (716 985-	-6811			Cener		DARL	t s strag e
	5. Transporter 1 (Company Name)	6. US EPA ID Number	-	C.	State 1	Transporter's ID	×40	336 ME
	Freehold Carcage, Inc.	N J D 0 5 4 1 2 8. US EPA ID Number	61	6 4 D. F	Transp State T	orter's Telephone	(* 732)	462-1001
				E	Transpo	orter's Telephone	()	
	9. Designated Facility Name and Site Address	10. US EPA ID Number		G.	State I	Facility ID		- 2012 - 12 - 2
	CNM Chemical Services, LLC			- H	Facilit	/ Telenhone (🐄	1 - 1 - 12	1 0001
	Model City NY 14107	NYD04983	6 6	7 9	,		10/ /3	94-0231
	11. US DOT Description (Including Proper Shipping Na	me, Hazard Class and ID Numb	per)	12. Cont	ainers	13. Total	14. Unit	
	0. Bû Hayardana masta, anlid			Number	Туре	Quantity	Wt/Vol	I. Waste No.
	9, NA3077, III	M*0*3*(2001)			DM	19001		STATE
K	b.			0010		414	1	EPA
MATO	RQ Hazardous waste, liquid, 9 WA3082 TIL	n.o.s. (F001)		JIR	2) 35	1660		STATE POOL
ENER	c			μ	<u> </u>			EPA
G			9.5					STATE
	d.	······································				1		EPA
•		$\sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{j=1}^{n-1} \sum_{i=1}^{n-1} \sum_{j=1}^{n-1} $						STATE
	J. Additional Descriptions for Materials listed Above	1			к. н	andling Codes fo	Wastes L	isted Above
	Drill Cuttings	c	•		a	L	c	L
		1		* 14				
	Purze Water	d	•		Ь		d	
11-12-01-01-01-01-01-01-01-01-01-01-01-01-01-	15. Special Handling Instructions and Additional Inform	nation ac smallan				- Hereiter		*
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ŕ.	b.CG5340 BRG# 171	1316)		tullu and		Antic described of		
	and are classified, packed, marked and labeled, and ar	e in all respects in proper condi	ition for	transport	by high	way according to	applicable	e international and
	national government regulations and state laws and regulations and large quantity generator, I certify that I have a	gulations. program in place to reduce the	e volum	e and toxic	ity of w	aste generated to	the degre	ee I have determined
	to be economically practicable and that I have selected present and future threat to human health and the envi	the practicable method of treat ronment; OR if I am a small gu	ment, s antity g	torage, or enerator, l	disposa have m	l currently availat ade a good faith	effort to r	which minimizes the ninimize my waste
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~	17. Transporter 1 Acknowledgement of Receipt of Mate	rials				(2) (2)	T.	2
RTE	Printed/Typed)Name	Signature	O	N. A.		Jul r	Mo.	Day Year
VSPC	18. Transporter 2 Acknowledgement of Recept of Mate	rials	A	KAA_	P	well 1	18	0161
TRA	Printed/Typed Name	Signature				1	Mo.	Day Year
_	19. Discrepancy Indication Space							
IEITY	20 Equility Owner or Operator: Certification of receipt	of hazardous materials covered	hv this	manifest	excent o	is noted in Item 1	9	· · · · · · · · · · · · · · · · · · ·
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DEPARTMENT OF ENVIRONMENTAL CONSERVATION DIVISION OF SOLID & HAZARDOUS MATERIALS





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	UNIFORM HAZARDOUS 1. Go WASTE MANIFEST	enerator's US	EPA ID No.	Manifest D	oc. No.	2. Page	1 of Information Information	n within vired by F	heavy bold line ederal Law.
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	3.Generator's Name and Mailing Address	Coope	r Vision	10 0 2		Á.			
	711 North Road						NYG 29	(50)	(6
	Scotteville NY 14546-1	238			H	B. Gener	ator's ID 🔹	AMER	
	716	095_6	Q11					0.69.755	
	4. Generator's lelephone Number (72%	6	US FPA ID Number			C State	Transporter's ID	1 4145	7444
	Promista Ponsana Presente d				1	D Transr	orter's Telephone	793	Invy
	7 Transporter 2 (Company Name)	eraice 8	IS EPA ID Number	1940	14	E State 1	Franchorder's ID	/16/	284-2132
						E Tranco	arter's Telephone (1	
	Q Decignated Encility Name and Site Addre					C State	Encility ID	,	
	7. Designated rucinity Name and She Addre	»»	0. US EPA ID Number			G. Sidle			
	Gwa Gnemical Services,	LLC			-		Talanhana (
	1000 Baimer Road					n. racilit	y lelephone (71	.6' 75	4-8231
	Model City NY 1410/		NYDO49	8366	7 9		1 12 7-1-1	14 11.3	
	11. US DOT Description (including Proper Si	hipping Name	a, nazara Class ana ID	Number	12. Co		13. 10101	14. Unit	15.11
					Numbe	r lype	Quantity	W1/VOI	17 Waste No.
1	• RQ Hazardous waste, 1	iquid,	n.o.s. (F001)					FOO1
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	J. Additional Descriptions for Materials listed	Above				К. Н	andling Codes for	Wastes Li	isted Above
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	15. Special Handling Instructions and Additi	onal Informat	ion						
		GTS\$172	6 SR#						
		Emar. C.	anzasti 205	1.04					
	A.CG5340 ERC# 171	POLITIC P B 404	17112	- WAIL	•				
	16. GENERATOR'S CERTIFICATION: I hereb	by declare the	t the contents of this c	onsignment a	re fully a	nd accure	ately described abo	ve by pro	per shipping name
	and are classified, packed, marked and labe	led, and are i	n all respects in prope	r condition for	transpo	rt by high	way according to a	applicable	international and
	If I am a large quantity generator. I certify th	at I have a pr	oaram in place to redu	uce the volum	e and to:	kicity of w	aste generated to	the deare	e I have determined
	to be economically practicable and that I have	ve selected th	e practicable method o	of treatment, s	torage, c	or disposa	I currently availabl	le to me v	which minimizes the
	present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste								
	Printed/Typed Name	ement metho	Signature		an anore			Mo	Day Year
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	19. Discrepancy Indication Space								
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STATE OF NEW YORK DEPARTMENT OF ENVIRONMENTAL CONSERVATION **DIVISION OF SOLID & HAZARDOUS MATERIALS**



Year

HAZARDOUS WASTE MANIFEST P.O. Box 12820, Albany, New York 12212 (Hazardous Waste Manifest 1/5/99) **UNIFORM HAZARDOUS** 1. Generator's US EPA ID No. Manifest Doc. No. 2. Page 1 of Information within heavy bold line WASTE MANIFEST is not required by Federal Law. N Y D 0 7 3 6 6 8 2 7 9 3.Generator's Name and Mailing Address Cooper Vision NYG 2975067 711 North Road B. Generator's ID Scottsville NY 14546-1238 SAME 4. Generator's Telephone Number (716) 985-6811 5. Transporter 1 (Company Name) 6. US EPA ID Number C. State Transporter's ID Hazmat Environmental Group D. Transporter's Telephone (NYD980769947 827 7 Transporter 2 (Company Name) 8. US EPA ID Number E. State Transporter's ID F. Transporter's Telephone (1 1 - 1 1 ۱ 9. Designated Facility Name and Site Address G. State Facility ID 10. US EPA ID Number CMM Chemical Services, LLC H. Facility Telephone (716) 754-8231 1550 Balmer Road Model City NY 14107 NYD0498366 7 0 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) 12. Containers 14. Unit 13. Total Number | Type Wt/Vol I. Waste No. Quantity a. RQ Hazardous waste, solid, n.o.s.(F001) EPA F001 9, NA3077, III 0 0 1 C 14 STATE T b. EPA STATE с EPA STATE d. EPA STATE J. Additional Descriptions for Materials listed Above K. Handling Codes for Wastes Listed Above Drill Cuttings L d Ч h 15. Special Handling Instructions and Additional Information WTS#1726 Couf# Emer. Contact: 116 - 264 -3213 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Signature Mo Day Year ARIA \mathcal{O} 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Mo Day Year PI 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Mo Day Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Day Mo.

FACILITY

GENERATOR

ENVIRONMENTAL GROUP, INC 9 FAX (716) 827-7217 60 Commerce Drive, Buffalo, NY 14218 www.hazmatinc.com	DATE 2122 NYDEC #9A-278 9/26/2/2122
PICK UP NAME S NAME STREET I I I I I I I I I I I I I I I I I I	DELIVERY C NAME STREET CITY STREET CONTACT NAME PHONE Pursuant to 6NYCRR 372.2 (b) (2) (ii) HazMat certifies that it is authorized to deliver this shipment of manifested waste to the TSDF listed on this Bill of Lading ADDITIONAL INFORMATION / EQUIPMENT DAMAGE If damaged at delivery site, did you send in Equipment Damage Report (EDR) via Qualcomm? Y N
PURCHASE ORDER NO. WORK ORDER NUMBER MANIFEST 1724 613179 X/V LOAD NUMBER TRACTOR TRAILER 174799 2110 Realized for the second	NUMBER C 1 C 7 F 1 9 3 7 OLL OFF BOX 7 DRIVER NUMBER DRIVER'S NAME 7 4 9 3 7 DRIVER'S NAME 7 4 9 3 7 DRIVER'S NAME 7 4 9 3 7 AL 11 A 1 4 7 4 9 3 7 AL 11 A 1 4 7 4 9 3 7 OLL OFF BOX 7 DRIVER NUMBER QUANTITY C TT 15 T
PICK UP	DELIVERY
ARRIVAL TIME 7:43 CAM RELEASE TIME 7:30	DRIVER DAY #1 DATE ARRIVAL TIME AM PM RELEASE TIME
DAY #2 DATE	DAY #2 DATE ARRIVAL TIME PM RELEASE TIME PM DAY #3 DATE ARRIVAL TIME PM RELEASE TIME PM
TRAILER EMPTY UPON ARRIVAL (if not, explain below—) DIP MEASUREMENT (Tankers Only) INCHES COMMENTS: (EXPLAIN ALL DELAYS)	TRAILER CLEAN AND EMPTY UPON DEPARTURE YES NO (if not, explain below—) COMMENTS: (Explain all delays or discrepancies))
HAZMAT MATERIALS USED (ex. overpacks, etc.): YES NO IF YES EXPLAIN: I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE. SHIPPER'S SIGNATURE	IF YES EXPLAIN: I, THE UNDERSIGNED, CERTIFY THAT THE ABOVE INFORMATION IS TRUE AND COMPLETE. CONSIGNEE'S SIGNATURE Date DB COPY



FRANK'S VACUUM TRUCK SERVICE, INC. 4500 Royal Avenue • Niagara Falls, New York 14303 (716) 284-2132

66728



NYDEC #9A-332 EPA ID # NYD982792814

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ADDITIONAL INFORMATION

CUSTOMER P.O. NO.	WORK ORDER NUMBER	MANIFEST N	UMBER 731	BILLING REFERENCE		
LOAD NUMBER	TRACTOR NUMBER	TRAILER NU	TRAILER NUMBER DRIVER'S NAME			
NUMBER WEIGHT HAZ. & OR HAZ. TYPES VOLUME MAT.	A	I DESCRIPT	FION OF WASTE(S) PER 49 CFR		CUSTOMER CODE #	
	l'I Vin S					
	PLACARDS PROVIDED OF	AFFIXED	WHEN "RQ" QUANTITY			
VAC	SHIPPER'S CHECK I		ELEASED INTO ENVIRONMENT, IMMEDIATELY NOTIFY NAT. RESPONSE	EMERGENCY R	ESPONSE	
ROLL-OFF	/AN DOT EXELED AND APPLIED AND SECURE DOT AUTHORIZED CONTAINERS ROLL-OFF SECURE CONTAINERS FLATBED PROPER DOT NAME ON ALL PACKAGES CHECKED FOR PROPER SEALING		CENTER - 800-424- 8802 AND 911 EMERGENCY SYSTEM OR LOCAL OPERATOR	PHONE NUMBER:		
	·/	1	DELIVERY			
ARRIVAL DATE	PM RELEASE TIME	2:30 0	ARRIVAL TIME	DA AM PM RELEASE TI	ME	
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 	270 and 12					
SHIPPERS CERTIFICATION: I hereby declare that it above by proper shipping name and are classified on	he contents of this consignment are fully an acked, marked, and labeled, and are in all r	d accurately described				
condition for transport by highway according to appli X SHIPPER'S SIGNATURE	cable international and national governmen	t regulations.	I, THE UNDERSIGNED, CE INFORMATION IS TRUE AN X CONSIGNEE'S SIGNATURE	ENTIFY THAT THE ABOVE ID COMPLETE.		

	DATE	9/26/01
	BOX #	RB109
ROLL-OFF BOX CONDITION RE	HM #	174839.
DROP CONDITION REPORT	DRIVER	AL HALL
PICK-UP CONDITION REPORT	CUSTOMER	Cooper vision





TARP





BOWS



DESCRIBE ANY DAMAGE OR MISSING ITEMS IN THE APPROPRIATE BOX Customer Signature

5	Please attach and return with Hazmat Bill HAZMAT HAZMAT HAZMAT HAZMAT BROUR INC. HAZMAT CHECK APPROPRIATE BOX DROP CONDITION REPORT PICK-UP CONDITION REPORT	DATE 7/3/01 BOX # RB109 HM # 171956 DRIVER D. Johnson CUSTOMER Vision
-4- ²	LEFT SIDE	RIGHT SIDE
	FRONT	
		BOWS

 DESCRIBE ANY DAMAGE OR MISSING ITEMS IN THE APPROPRIATE BOX

 Customer Signature
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 Date

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 Date